



(19) 대한민국특허청(KR)

(12) 등록특허공보(B1)

(45) 공고일자 2022년12월15일

(11) 등록번호 10-2477906

(24) 등록일자 2022년12월12일

(51) 국제특허분류(Int. Cl.)  
C12N 15/113 (2010.01) C12N 5/0793 (2010.01)  
C12Q 1/68 (2018.01) G01N 33/50 (2017.01)

(52) CPC특허분류  
C12N 15/113 (2013.01)  
C12N 5/0619 (2013.01)

(21) 출원번호 10-2017-0162338

(22) 출원일자 2017년11월29일

심사청구일자 2020년11월27일

(65) 공개번호 10-2019-0063333

(43) 공개일자 2019년06월07일

(56) 선행기술조사문헌

The EMBO Journal, 제31권, 522-533면(2012) 1부.\*

CN105238784 A

US9441224 B1

WO2012018881 A2

\*는 심사관에 의하여 인용된 문헌

(73) 특허권자

연세대학교 산학협력단

서울특별시 서대문구 연세로 50 (신촌동, 연세대학교)

(72) 발명자

김영준

서울특별시 강남구 논현로160길 31, 2층 2호(신사동, 청록빌라)

조승우

서울특별시 서초구 서초대로65길 13-10, 106동 2304호(서초동, 서초래미안아파트)

(뒷면에 계속)

(74) 대리인

특허법인다나

전체 청구항 수 : 총 6 항

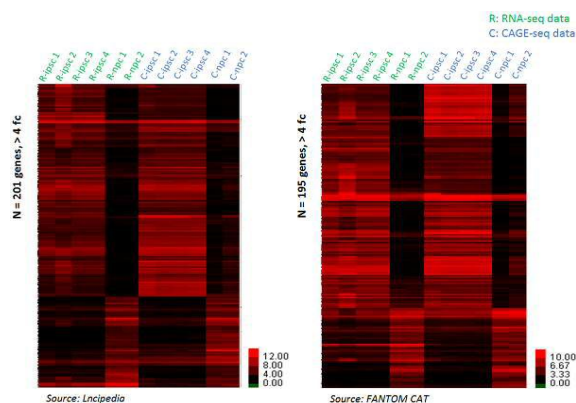
심사관 : 문동현

(54) 발명의 명칭 유도만능 줄기세포 분화 특이적 lncRNA, 및 이의 용도

## (57) 요약

본 발명은 유도만능 줄기세포 신경 분화 특이적 lncRNA에 관한 것으로, 특정 유전자로부터 전사된 lncRNA가 제공된다.

대표도 - 도2



(52) CPC특허분류

**C12Q 1/6876** (2018.05)

**G01N 33/5073** (2013.01)

**C12N 2506/45** (2013.01)

(72) 발명자

**황지현**

서울특별시 서대문구 연세로 50, 706호(신촌동, 법  
현학사)

**김민정**

서울특별시 은평구 연서로48길 12, 507동 801호(진  
관동, 은평뉴타운 제각말)

**박현지**

경기도 고양시 덕양구 호국로 860, 216동 1901호(  
성사동, 래미안휴레스트아파트)

**조안나**

서울특별시 서대문구 성산로17길 7-13(연희동)

이 발명을 지원한 국가연구개발사업

과제고유번호 2016M3C9A4921712

부처명 과학기술정보통신부

과제관리(전문)기관명 한국연구재단

연구사업명 포스트게놈 다부처유전체 사업

연구과제명 세포 특이적 후성유전체마커 발굴 및 검증(총괄: 국제 협력 기반 암 특이적 후성유  
전체 마커 개발)

기 여 율 1/1

과제수행기관명 연세대학교 산학협력단

연구기간 2017.03.01 ~ 2017.12.31

## 명세서

### 청구범위

#### 청구항 1

서열번호 18 내지 20으로 이루어진 군에서 선택된 하나 이상의 염기서열을 가지는 유전자로부터 전사되고, 유도만능 줄기세포가 신경으로 분화할 때 유도만능 줄기세포에서 발현이 증가되는 유도만능 줄기세포 신경 분화 특이적 lncRNA(long non-coding RNA).

#### 청구항 2

제1항의 lncRNA 염기서열, 상기 lncRNA에 대한 안티센스 염기서열, 또는 상기 lncRNA 염기서열의 단편인 유도만능 줄기세포의 분화 예측용 바이오 마커.

#### 청구항 3

제1항의 염기서열, 상기 lncRNA 염기서열의 단편, 상기 lncRNA 염기서열에 특이적으로 결합하는 프라이머 또는 프로브를 포함하는 유도만능 줄기세포의 분화 예측용 키트.

#### 청구항 4

제3항에 있어서,

마이크로어레이, 유전자 증폭 키트, RNA 시퀀싱(RNA sequencing) 또는 면역분석(immunoassay)용 키트인 유도만능 줄기세포의 분화 예측용 키트.

#### 청구항 5

(a) 유도만능 줄기세포 및 시험 제제를 접촉시키는 단계;

(b) 서열번호 18 내지 20으로 이루어진 군에서 선택된 하나 이상의 염기서열을 가지는 유전자로부터 전사된 lncRNA의 발현에 대한 조절 효과를 결정하는 단계; 및

(c) 상기 시험 제제와 접촉된 세포 및 상기 시험 제제와 접촉되지 않은 대조군에서 상기 lncRNA의 발현 수준을 비교하는 단계;를 포함하는 유도만능 줄기세포의 분화 조절제 스크리닝 방법.

#### 청구항 6

제1항의 신경 분화 특이적 lncRNA의 발현을 증가 또는 억제시키는 단계;를 포함하는 유도만능 줄기세포의 분화 제어 방법.

## 발명의 설명

### 기술 분야

[0001] 본 발명은 유도만능 줄기세포의 신경 분화 특이적인 lncRNA 및 이의 다양한 용도에 관한 것이다.

### 배경 기술

[0002] lncRNA는 지금까지 주 연구 대상이었던 단백질을 생성하는 coding DNA는 전체 유전체 중 2% 미만에 불과해 사람과 관련된 질병, 발달 및 생리현상을 모두 설명할 수 없는 한계점이 있었다.

[0003] 유전체의 암흑물질로 남아있는 많은 수의 long non-coding RNA(이하, lncRNA)가 세포 내에 존재할 가능성이 제시되고 그 기능이 유전자 발현 조절에 있다는 사실이 발견됨에 따라, 새로운 lncRNA를 찾아내고 그 조절 기능을 밝히는 것이 매우 중요한 연구로 부상하였다.

[0004] 현재 일부 lncRNA만이 연구되었는데 대부분 세포 분화 및 암 등의 질병 발생 과정에서 주요한 조절 인자로 작용하고 있음이 밝혀졌다.

- [0005] lncRNA의 주요 특징으로는 세포 특이적인 발현 양상을 보이면서 세포 분화를 조절하며, 표적 유전자의 발현을 증진시키거나 억제할 수 있는 양방향으로의 조절을 가능하게 한다.
- [0006] 또한, lncRNA는 유전자의 발현 조절뿐만 아니라 후성 유전 기전, 전사조절 인자들의 복합체 형성 및 염색체 구조 등에 대한 조절 가능성이 제시되고 있다.

## 선행기술문헌

### 비특허문헌

(비특허문헌 0001) 1. Stem Cells Int. 2017; 2017: 6374504. "Human Long Noncoding RNA Regulation of Stem Cell Potency and Differentiation"

## 발명의 내용

### 해결하려는 과제

- [0007] 본 발명은 전술한 종래 기술의 문제점을 해결하기 위한 것으로, 본 발명의 목적은 유도만능 줄기세포의 신경 분화 특이적 lncRNA, 및 이의 산업적, 의학적 활용 가능성을 제공한다.

### 과제의 해결 수단

- [0008] 본 발명의 일 측면에 따르면, 서열번호 1 내지 20으로 이루어진 군에서 선택된 하나 이상의 염기서열을 가지는 유전자로부터 전사된 유도만능 줄기세포 신경 분화 특이적 lncRNA(long non-coding RNA)가 제공된다.
- [0009] 본 발명의 다른 측면에 따르면, 상기 lncRNA 염기서열, 상기 lncRNA에 대한 안티센스 염기서열, 또는 상기 lncRNA 염기서열의 단편인 유도만능 줄기세포의 분화 예측용 바이오 마커가 제공된다.
- [0010] 본 발명의 다른 측면에 따르면, 상기 lncRNA 염기서열, 상기 lncRNA 염기서열의 단편, 상기 lncRNA 염기서열에 특이적으로 결합하는 프라이머 또는 프로브를 포함하는 유도만능 줄기세포의 분화 예측용 키트가 제공된다.
- [0011] 일 실시예에 있어서, 상기 유도만능 줄기세포의 분화 예측용 키트는 마이크로어레이, 유전자 증폭 키트, RNA 시퀀싱(RNA sequencing) 또는 면역분석(immunoassay)용 키트일 수 있다.
- [0012] 본 발명의 다른 측면에 따르면, (a) 유도만능 줄기세포 및 시험 체제를 접촉시키는 단계; (b) 서열번호 1 내지 20으로 이루어진 군에서 선택된 하나 이상의 염기서열을 가지는 유전자로부터 전사된 lncRNA의 발현에 대한 조절 효과를 결정하는 단계; 및 (c) 상기 시험 체제와 접촉된 세포 및 상기 시험 체제와 접촉되지 않은 대조군에서 상기 lncRNA의 발현 수준을 비교하는 단계;를 포함하는 유도만능 줄기세포의 분화 조절제 스크리닝 방법이 제공된다.
- [0013] 본 발명의 다른 측면에 따르면, 상기 신경 분화 특이적 lncRNA의 발현을 증가 또는 억제시키는 단계;를 포함하는 유도만능 줄기세포의 분화 제어 방법이 제공된다.

### 발명의 효과

- [0014] 본 발명에 따르면, 신경 분화 특이적 lncRNA의 발현량을 분석하거나, 발현량을 조절함으로써 퇴행성 뇌신경질환 세포치료를 위한 의학적 용도로 활용하거나, 관련된 연구에 있어서 기초 자료로서 활용 가능성이 높다.
- [0015] 본 발명의 효과는 상기한 효과로 한정된 것은 아니며, 본 발명의 상세한 설명 또는 청구범위에 기재된 발명의 구성으로부터 추론 가능한 모든 효과를 포함하는 것으로 이해되어야 한다.

### 도면의 간단한 설명

- [0016] 도 1은 본 발명의 일 실시예에 따른 신경 분화 특이적 lncRNA 탐색 방법을 도식화한 것이다.
- 도 2는 lncRNA 유전자 중 NPC 특이적 유전자를 규명한 것이다.
- 도 3은 발명의 일 실시예에 따른 신경 분화 특이적 lncRNA 후보군을 ZENBU browser에서 개별적으로 확인한 것이다.

도 4는 RT-qPCR을 이용하여 20개의 후보군에 대한 실험적 검증을 진행한 것이다.

### 발명을 실시하기 위한 구체적인 내용

- [0017] 이하에서는 첨부한 도면을 참조하여 본 발명을 설명하기로 한다. 그러나 본 발명은 여러 가지 상이한 형태로 구현될 수 있으며, 따라서 여기에서 설명하는 실시예로 한정되는 것은 아니다.
- [0018] 어떤 부분이 어떤 구성요소를 “포함” 한다고 할 때, 이는 특별히 반대되는 기재가 없는 한 다른 구성요소를 제외하는 것이 아니라 다른 구성요소를 더 구비할 수 있다는 것을 의미한다.
- [0019] 달리 정의되지 않는 한, 분자 생물학, 미생물학, 단백질 정제, 단백질 공학, 및 DNA 서열 분석 및 당업자의 능력 범위 안에서 재조합 DNA 분야에서 흔히 사용되는 통상적인 기술에 의해 수행될 수 있다. 상기 기술들은 당업자에게 알려져 있고, 많은 표준화된 교재 및 참고서에 기술되어 있다.
- [0020] 본 명세서에 달리 정의되어 있지 않으면, 사용된 모든 기술 및 과학 용어는 당업계에 통상의 기술자가 통상적으로 이해하는 바와 같은 의미를 가진다.
- [0021] 본 명세서에 포함되는 용어를 포함하는 다양한 과학적 사전이 잘 알려져 있고, 당업계에서 이용가능하다. 본 명세서에 설명된 것과 유사 또는 등가인 임의의 방법 및 물질이 본원의 실험 또는 시험에 사용되는 것으로 발견되나, 몇몇 방법 및 물질이 설명되어 있다. 당업자가 사용하는 맥락에 따라, 다양하게 사용될 수 있기 때문에, 특정 방법학, 프로토콜 및 시약으로 본 발명이 제한되는 것은 아니다.
- [0022] 본 명세서에서 사용되는 바와 같이, 단수형은 문맥이 명확하게 달리 지시하지 않으면 복수의 대상을 포함한다. 또한, 달리 지시된 바가 없으면, 핵산은 각각 왼쪽에서 오른쪽, 5'에서 3' 방향으로 썬여지고, 아미노산 서열은 왼쪽에서 오른쪽, 아미노에서 카르복실 방향으로 썬여진다. 이하 본 발명을 더욱 상세히 설명한다.
- [0023] 본 발명의 일 측면에 따르면, 서열번호 1 내지 20으로 이루어진 군에서 선택된 하나 이상의 염기서열을 가지는 유전자로부터 전사된 유도만능 줄기세포 신경 분화 특이적 lncRNA(long non-coding RNA)가 제공된다.
- [0024] 상기 “lncRNA(Long noncoding RNA, 긴 비-코딩 RNA)”는 게놈에 침투적으로 전사되는 최근 발견된 새로운 부류의 전사체로서 에피게놈의 중요한 조절인자이다. 상기 lncRNA는 몇몇 암에서 불량한 예후와 종양 전이의 유용한 바이오마커일 수 있다.
- [0025] 상기 lncRNA는 최근 Regulatory RNA로서 재조명되고 있으며, 특히 Epigenetic의 주요 역할을 수행하거나, Transcription의 조절, 암 형성이나 배아 발달, 신경계통 장애, 혹은 다른 필수적인 biological Process에 영향을 미치게 된다.
- [0026] 본 발명자들은 신경세포 분화에 관련된 lncRNA 규명 연구 및 lncRNA가 가지고 있는 조절 기능에 착안하여 non-coding 지역으로부터 lncRNA 유전자를 발굴할 수 있는 분석파이프라인을 개발하였다.
- [0027] RNA-seq과 CAGE-seq을 이용하여 인간 유도만능 줄기세포(hiPSC)로부터 신경줄기세포(NPC)로의 분화 단계별 전사체를 생산하고 상기 분석 파이프라인을 이용하여 신경세포 분화에 관여하는 50개의 lncRNA 후보군을 발굴하였다.
- [0028] 또한, RT-PCR 방법으로 실험적 검증을 진행하여 인간유도 만능줄기세포(hiPSC) 특이적 lncRNA를 3개, 신경줄기세포(NPC) 특이적 lncRNA 17개를 규명하였다.
- [0029] 상기 “줄기세포(stem cell)”란, 개체를 구성하는 세포나 조직의 근간이 되는 세포로서 반복 분열하여 자가 재생(self-renewal)할 수 있고, 환경에 따라 특정한 기능을 지닌 세포로 분화할 수 있는 다분화 능력을 갖는 세포를 의미한다. 태아의 발생과정 중 모든 조직에서 생겨나며, 성인이 되어서도 골수, 상피조직 등 세포가 활발히 교체되는 일부 조직에서 발견된다.
- [0030] 상기 줄기세포는 분화 가능한 세포의 종류에 따라 수정란이 첫 분열을 시작할 때 형성되는 전능성 줄기세포(totipotent stem cells)와, 이 세포들이 계속 분열해 만들어진 포배 내막에 있는 만능성 줄기세포(pluripotent stem cells), 그리고 성숙한 조직과 기관 속에 존재하는 다능성 줄기세포(multipotent stem cells)로 분류된다.
- [0031] 상기 다능성 줄기세포는, 이 세포가 포함되어 있는 조직 및 기관에 특이적인 세포로만 분화할 수 있는 세포로서 태아기, 신생아기 및 성체기의 각 조직 및 장기의 성장과 발달은 물론 성체조직의 항상성 유지와 조직 손상 시 재생을 유도하는 기능에 관여하고 있다. 상기 조직 특이적 다능성 세포들을 총칭하여 성체 줄기세포라고도

한다.

- [0032] 상기 “유도만능 줄기세포(induced pluripotent stem cell; iPSC)”는 역분화 줄기세포로서 분화가 끝난 체세포에 세포 분화 관련 유전자를 주입하여 분화 이전의 세포 단계로 되돌린, 배아 줄기세포처럼 만능성을 유도해낸 세포를 의미한다.
- [0033] 2006년 교토대 야마나카 신야 교수는 생쥐의 피부 섬유아세포에 몇 가지 유전자를 도입하여 배아줄기세포처럼 만능성을 가진 줄기세포를 만들었으며, 2007년 성인의 피부세포에 야마나카 인자라고도 불리는 SOX2, c-MYC, OCT4, 및 KLF4유전자를 도입하여 유도만능 줄기세포를 만드는데 성공했다.
- [0034] 상기 유도만능 줄기세포는 체세포 또는 이미 분화된 세포를 처리하여 만능분화성을 가지며, 상기 처리 방법은 화합물, 유전적 변환 또는 특정 조건으로 배양하는 방법 등을 포함하나 이에 한정되는 것은 아니다.
- [0035] 상기 "인간 유도만능 줄기세포(hiPSC)"는 인간의 체세포 또는 인간의 분화된 세포를 처리하여 만능분화성을 갖게 된 세포를 나타낸다.
- [0036] 상기 "신경전구세포(neural precursor cells, NPCs)"는 신경 세포의 형태 및 기능을 완전히 갖추기 전 단계의 세포를 의미한다.
- [0037] 상기 신경전구세포는 인간 유도만능 줄기세포로부터 분화된 것으로, 인간 유도만능 줄기세포로부터 신경전구세포로의 분화는 적절한 성장 인자 또는 화학물질을 처리하는 것에 의해 달성될 수 있다.
- [0038] 또한, 상기 인간 유도만능 줄기세포로부터 신경전구세포로의 분화는 적절한 세포와의 공배양에 의해 분화시킬 수 있다.
- [0039] 본 발명의 다른 측면에 따르면, 상기 lncRNA 염기서열, 상기 lncRNA에 대한 안티센스 염기서열, 또는 상기 lncRNA 염기서열의 단편인 유도만능 줄기세포의 분화 예측용 바이오 마커가 제공된다.
- [0040] 상기 “마커”는 세포의 특징 및/또는 표현형을 나타내기 위해 사용된다. 마커는 관심 대상의 특징을 포함하는 세포를 선택하기 위해 사용될 수 있다. 상기 마커는 특정 세포형을 갖는 세포 또는 그 세포형에 의해 발현되는 분자의 형태학적, 기능적, 또는 생화학적(효소적) 특징을 가진다.
- [0041] 본 발명의 다른 측면에 따르면, 상기 lncRNA 염기서열, 상기 lncRNA 염기서열의 단편, 상기 lncRNA 염기서열에 특이적으로 결합하는 프라이머 또는 프로브를 포함하는 유도만능 줄기세포의 분화 예측용 키트가 제공된다.
- [0042] 상기 유도만능 줄기세포의 분화 예측용 키트는 마이크로어레이, 유전자 증폭 키트, RNA 시퀀싱(RNA sequencing) 또는 면역분석(immunoassay)용 키트일 수 있으며, 상기 유도만능 줄기세포의 분화 예측용 키트는 상기 신경 분화 특이적 lncRNA를 정량분석 또는 정성분석 함으로써 유도만능 줄기세포의 분화 가능성이나 정도를 예측할 수 있다.
- [0043] 상기 정량분석은 생물학적 시료에서 상기 lncRNA 존재 여부와 발현 정도를 확인하는 과정으로 mRNA의 양을 측정하는 과정을 의미한다. 상기 분석 방법은 RNA시퀀싱 (RNA-sequencing), 역전사 중합효소반응(RT-PCR), 경쟁적 역전사 중합효소반응(Competitive RT-PCR), 실시간 역전사 중합효소반응(Real-time RT-PCR), RNase 보호 분석법(RPA; RNase protection assay), 노던 블랏팅(Northern blotting), DNA 칩 등 다양한 방법이 사용될 수 있으나, 이에 제한되는 것은 아니다.
- [0044] 본 발명의 다른 측면에 따르면, (a) 유도만능 줄기세포 및 시험 체제를 접촉시키는 단계; (b) 서열번호 1 내지 20으로 이루어진 군에서 선택된 하나 이상의 염기서열을 가지는 유전자로부터 전사된 lncRNA의 발현에 대한 조절 효과를 결정하는 단계; 및 (c) 상기 시험 체제와 접촉된 세포 및 상기 시험 체제와 접촉되지 않은 대조군에서 상기 lncRNA의 발현 수준을 비교하는 단계;를 포함하는 유도만능 줄기세포의 분화 조절제 스크리닝 방법이 제공된다.
- [0045] 상기 “접촉”은 통상적인 의미로서, 2개 이상의 체제(예: 2개의 폴리펩티드)를 결합(combine)시키거나, 체제와 세포(예; 단백질과 세포)를 결합시키는 것을 의미할 수 있다. 예컨대, 시험관(test tube) 또는 다른 컨테이너(container)에서 2개 이상의 체제를 결합시키거나 시험 체제와 세포 또는 세포 용해물과 시험 체제를 결합시킬 수 있으며, 2개의 폴리펩티드를 암호화하는 재조합 폴리뉴클레오티드를 세포 내에서 공동발현(coexpression)시킴으로써 세포 또는 세포 용해물에서 2개의 폴리펩티드를 접촉시킬 수 있다.
- [0046] 상기 "제제(agent)" 또는 "시험 제제(test agent)"는 임의의 물질(substance), 분자(molecule), 원소

(element), 화합물(compound), 실재물(entity) 또는 이들의 조합을 포함할 수 있다. 예컨대, 단백질, 폴리펩티드, 소 유기 물질(small organic molecule), 다당류(polysaccharide), 폴리뉴클레오티드 등을 포함할 수 있으며, 자연 산물(natural product), 합성 화합물 또는 화학 화합물 또는 2개 이상의 물질의 조합일 수 있다. 달리 정의되지 않는 한, 상기 제제, 물질 및 화합물은 상호 교환적(interchangeably)으로 사용할 수 있다.

[0047] 상기 스크리닝 방법은 당업계에 공지된 다양한 생화학적 및 분자생물학적 기술을 이용할 수 있으며[Sambrook et al., Molecular Cloning: A Laboratory Manual, Cold Spring Harbor Press, N.Y., Second(1998) and Third(2000) Editions; Ausubel et al., Current Protocols in Molecular Biology, John Wiley & Sons, Inc., New York(1987-1999)], 예컨대, 시험관 내 단백질-단백질 결합 어세이(시험관 내 풀-다운 어세이), EMSA, 단백질 결합을 위한 면역 어세이, 기능적 어세이(인산화 어세이 등), 효모-2 하이브리드 어세이, 비면역 침전 어세이, 면역침전 웨스턴 블랏 어세이, 면역-공동-위치화 어세이 등 당업계에 공지된 다양한 방법으로 수행될 수 있다.

[0048] 상기 스크리닝에 사용되는 화합물은 저분자량의 화합물일 수 있다. 예컨대, 상기 저분자량의 화합물은 중량이 400Da, 600Da 또는 800Da과 같이 약 1000Da 내외일 수 있다. 목적에 따라 상기 화합물은 화합물 라이브러리의 일부를 구성할 수 있으며, 라이브러리를 구성하는 화합물의 개수도 수십개부터 수백만개까지 상이할 수 있다.

[0049] 상기 화합물 라이브러리는 펩타이드, 펩토이드 및 기타 환형 또는 선형의 올리고머성 화합물, 및 주형을 기본으로 하는 저분자 화합물, 예컨대 벤조디아제핀, 하이드로인, 바이아릴, 카보 사이클 및 폴리사이클 화합물(예컨대 나프탈렌, 페노티아진, 아크리딘, 스테로이드 등), 카보하이드레이트 및 아미노산 유도체, 디하이드로피리딘, 벤즈하이드릴 및 헤테로사이클(예컨대 트리아진, 인돌, 티아졸리딘 등)을 포함할 수 있으나, 이에 한정되는 것은 아니다.

[0050] 상기 스크리닝 방법에는 바이올로지스가 사용될 수 있다. 상기 바이올로지스는 세포 또는 바이오 분자를 일컫는 것으로, 단백질, 핵산, 탄수화물, 지질 또는 생체 내 및 생체 외에서 세포 시스템 등을 이용하여 생산된 물질을 의미한다. 상기 바이오분자는 단독으로 또는 다른 바이오분자 또는 세포와 조합되어 사용될 수 있다. 상기 바이오분자는 예컨대, 폴리뉴클레오티드, 펩타이드, 항체, 또는 기타 혈장에서 발견되는 단백질 또는 생물학적 유기물질을 포함할 수 있다.

[0051] 본 발명의 다른 측면에 따르면, 상기 신경 분화 특이적 lncRNA의 발현을 증가 또는 억제시키는 단계;를 포함하는 유도만능 줄기세포의 분화 제어 방법이 제공된다.

[0052] 상기 lncRNA의 발현 증가 또는 억제는 lncRNA과 상호 작용하여 활성화에 영향을 미칠 수 있으면 족하며, 항체 또는 이의 항원 결합 단편, 압타머, siRNA, shRNA, microRNA, 저해 화합물 및 이의 약학적으로 허용 가능한 염으로 이루어진 군에서 선택된 하나 이상이 사용될 수 있으나, 이에 한정되는 것은 아니다.

[0053] 이하, 실시예를 통해 본 발명을 더욱 상세히 기술한다.

#### [0054] 실험예 1 : 후보군 선별

[0055] RIKEN 으로 제공된 샘플 시퀀싱 데이터를 사용하여 자체 개발 분석 파이프라인으로 hiPSC 신경 분화-특이적인 lncRNA(50개)를 발굴하였다.

[0056] FANTOM에서 생산된 nAnTi-CAGE-seq(no-amplification non-tagging CAGE libraries for Illumina next-generation sequencers) 및 total RNA-seq 데이터를 분석하였다.

[0057] 신경 분화-특이적 lncRNA 발굴 분석 파이프라인을 구축하여 50개의 lncRNA 선별하였으며, 발현량을 기반으로 상위 20개의 lncRNA 후보군을 선별하였다.

[0058] 표 1을 참조하면, 2종의 annotation을 사용한 4배 이상 발현량에 차이가 있는 lncRNA 유전자 중 NPC 특이적 후보를 규명하였으며, lncRNA 유전자 대한 불충분한 annotation을 뒷받침하기 위해 각각의 파일이 포함하지 않는 정보를 보완하는 방식으로 진행하였다(도 2).

[0059] 1차 분석시 LNCipedia high-confidence set(version 4.0)를 사용하였고, 2차 분석시 FANTOM CAT(CAGE associated Transcriptome) gene annotation을 사용하였다.

표 1

NPC 특이적 lncRNA 개수	1차 분석(LNCipedia)	2차 분석(FANTOM CAT)
분석 결과	60	51
공통으로 발견된 lncRNA	18	
확인 후 선별된 lncRNA	36	14

## 실험예 2 : 분석 파이프라인

FANTOM에서 인간유도 만능줄기세포(hiPSC) 및 신경줄기세포(NPC)에 대한 생산된 nAnt-iCAGE-seq 및 total RNA-seq ZENBU browser를 통해 데이터를 확보하였다.

LncRNA의 발현량을 확인하고자 lncRNA annotation 파일에 CAGE-seq 및 RNA-seq 데이터를 intersection 했으므로 NPC 및 hiPSC 간의 차등 발현 lncRNA를 조사하였다.

Fold-change 값이 4배 이상을 기준으로 후보군을 선별하였으며 그 중 NPC 특이적인 lncRNA를 규명하였다(표 2).

표 2

구분	단계	내용
1	데이터 다운로드	RNA-seq & CAGE-seq 데이터 ZENBU browser에서 내려 받음(binning size: 128bp)
2	파일 intersection	LncRNA발현 데이터와 annotation 파일 intersection(bedtools)
3	strand 유형 정리	LncRNA strand(Sense, Anti-sense) 정리
4	유전자 grouping	LncRNA 유전자별로의 grouping(bedtools)
5	데이터 표준화	각 샘플 값 normalization
6	Fold change 값 계산	RNA-seq 및 CAGE-seq 공통으로 iPSC와 NPC fold-change값이 4배 이상 차등발현 보이는 lncRNA 규명
7	ZENBU browser에서 선별	NPC 특이적인 lncRNA 후보를 개별적으로 ZENBU browser에서 확인함으로 high-confidence list 선별

## 실험예 3 : lncRNA 발현량 검증

RIKEN에서 운영하는 genome browser인 ZENBU browser를 통해 NPC 특이적인 lncRNA 후보군을 선정하였으며, ZENBU browser에서 개별적으로 확인하였다.

RNA-seq 데이터를 이용해 lncRNA 발현량과 correlation 여부를 확인하고, 동시에 NPC 특이성을 확인함으로써 lncRNA 후보군에 대한 목록을 간소화 시켰으며, 최종적으로 high-confidence set을 선별하였다(도 3).

## 실험예 4 : 최종 lncRNA 선별

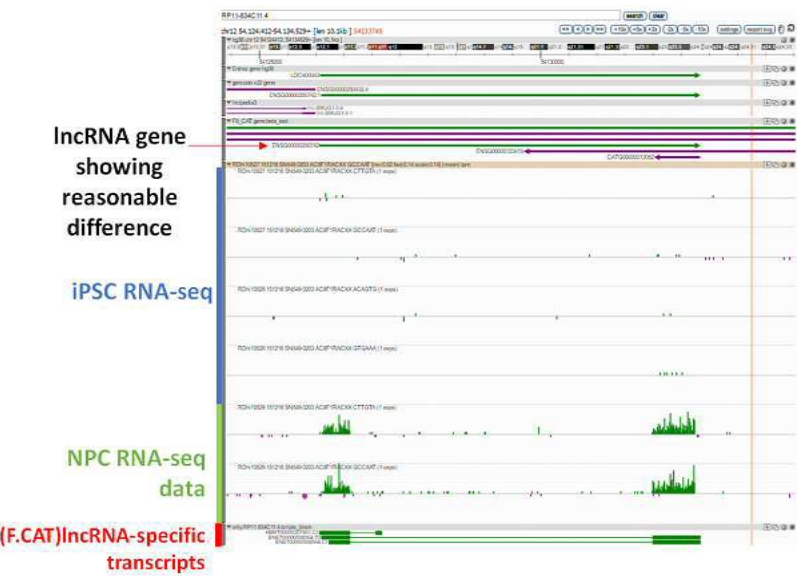
후보군 선별을 위해 hiPSC 및 NPC 특이적인 후보군 50개 중에서 발현량(transcripts per million\_total RNA-seq)이 가장 높은 상위 20개의 lncRNA(hiPSC-특이적인 후보군 3개, NPC-특이적인 후보군 17개)를 선별하였다(표 3).

표 3

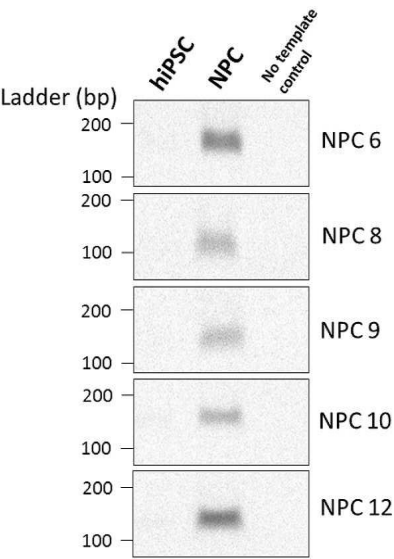
서열 번호	후보 이름	유전자명	발현량		위치		
			NPC	hiPSC	염색체	start	end
1	npc1	lnc-TRAFD1-4	1088.89	236.96	chr12	112267077	112267394
2	npc2	lnc-LRRTM4-6	895.776	189.466	chr2	76445079	76445410
3	npc3	lnc-TMEM135-8	683.198	6.39425	chr11	86800544	86937818
4	npc4	lnc-ENC1-5	293.456	15.3835	chr5	74627406	74641424
5	npc5	lnc-PYG01-2	238.96	0.709	chr15	55611552	55614422
6	npc6	lnc-SLC10A6-4	221.71	19.0565	chr4	86164446	86594119
7	npc7	lnc-CDH11-12	171.95	6.7045	chr16	65004642	65126112
8	npc8	lnc-SIX2-3	134.825	1.058	chr2	44920193	44939206
9	npc9	lnc-TDP1-3	113.702	24.6073	chr14	89712511	89712823
10	npc10	lnc-WDR25-6	104.141	0.13625	chr14	100726893	100728690



도면3



도면4



서열 목록

SEQUENCE LISTING

- <110> YONSEI UNIVERSITY
- <120> A lncRNA FOR INDUCED PLURIPOTENT STEM CELL DIFFERENTIATION AND USES THEREOF
- <130> 17PP11699
- <160> 20
- <170> PatentIn version 3.2

<210> 1  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1  
 tggatgtgag ggcaatctgg ctgcgacatc tgcacccca ttgatcgctg gggttgattc 60  
 ggctgatctg gctggctagg cagggtgtgcc cttcctccct caccgctcca tgtgcgtccc 120  
 tccccgaagct gcgcgctcgg tcgaagagga cgaccatccc cgatagagga ggaccggtct 180  
 tcggtcaagg gtatacgagt agctgcgctc cctgctaga acctccaaac aagatgtcaa 240  
 ttgattacat aaaactgtga aataactttt atcactaaaa aggcattaaa aaaaaattga 300  
 gacagggctc caatatgt 318  
 <210> 2  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens  
 <400> 2  
 gtcacaagg agcagcacct ctgctcctac tgtgtgcatt gccgcttcaa taaaagttgc 60  
 tgtttaacac caccagctcg ccctcgaatt ctttccttga gagcttgttc ggaggttcta 120  
 gcaggggagc gcagctactc gtgtaccctt gaccgaagtc cggctcctct ctatcgggga 180  
 tggctgctct cttcgaccga gcgcgcagct tcgggagggga cgcacatgga gcggtgaggg 240  
 aggaagggga cccccgcta gccagccaga tcagccgaat caaccctggc gatcaatggg 300  
 gtaacagatg tcgcagccag atcgccctca catccga 337  
 <210> 3  
 <211> 32759  
 <212> DNA  
 <213> Homo sapiens  
 <400> 3  
 taagctaaga aaaatttgcc cttaaaatgg tggaaaatat cagtttcctt tctatttaag 60  
 aaataccagg ccgggagcag tgactcacgc gtgtaatact tgctgagaag ggaggatact 120  
 tgagcccagg aggtctacgc tgcagtgagc tatgatcctg ctactgcact ccagaatgag 180  
 ctacagaggg agtacttgtc ttgaaaataa aataaaagaa aagaccacac aataatgtgt 240  
 tcagggcttt ctcatgtaaa agtaattgca aacaccaacg tattaggcat atcagtaaca 300

ccttgggtgtg aaatagcact ttagaccttc cttttctgag agtagacttt gataggagaa 360  
 aggaaagcta agtagcttga tagaaagcat ggctcagtgc aaaatcttgt cctaccattc 420  
 agtagctgtg tgattttggg caagtcataa aacctctcca aacctcctgt tccttataaa 480  
 aattagtgtg atctctgcac cttcttcacc acaatggcct atatgtaaag ctcttgaccg 540  
 aaaacgctca atacacagta atctatacta aataggaagg ctctaacact aggaccttaa 600  
 atggcaaggt ctccagcctg gttaggagag gactccccgc acacccccct accctggccc 660  
  
 ccaaccacca ccaccaagat aacgaccgct tggagtgatt cagggaagta ggccactgg 720  
 acaaggaggt ggctccacca gctggtgccc cgtgaagaa ctgaggccag tgggctcccc 780  
 agccaccgcc gctcagaagc tgccaagcac ccccggtgct ttgggcccga cgcacagcac 840  
 tgagtgtgtg aaggaaatgc aaagcattgg tggccctgcc atgggaatac aggtttctgt 900  
 tctttggagg caccggagaa actaggagt tggtcagcac ctttaaggcg taaaagtgtg 960  
 cgtgggggtg gggcgcacac aggtttctgaa ccaattcttc aaatttgccc agggctcccc 1020  
 atacaccagg tgtggccgc gtcctagt ttaggtgtt gggggagggg tcgccttttg 1080  
  
 taggggacct ggtctttttg cgagctggca gcgtgctccc agcagcgaag gccgtagtct 1140  
 cgctcaggag gccgcgcgcc agaccgggg atgcgcggtg ttcaaagggt gacggcgcg 1200  
 ggggtccggg caggagagcc cgccagagcc ggtgctgcct ggccgagaga ggcccgact 1260  
 ggcgactgct gccgcgccac cggggccccc ctgcgcaggg acgctcgcc tcaggccctc 1320  
 tgggtgctgc caccctgctc cggcccgagg cgagcgcgga ggggaggggg gcacggttta 1380  
 tgtgcagtgg ggcggggcgc gtcgcgcgg cttccccgag gccggaggcg gggcgggcgg 1440  
 gcctcgggtg gcgcgggggg cggacccgcc agctgcctgc gctgctgcc agcttgctcg 1500  
  
 cactcggctg tgccgggggg caggcatggg agccgcgcgc tctctcccgg cgcacacacc 1560  
 tgtctgagcg gcgcagcgag ccgcggcccc ggccggctgc tcggcgcggg tgagtgcggg 1620  
 caccgactgg ggcatccgcc cgggcgcggg agaggcgagg cgccgggagg agcgggacaa 1680  
 agggccgggt atgcgcggg tagggtaact gcgggctgcc ggaggcaccg caggacttcg 1740  
 ccagggcagt cctcgggggt ccaggacacg ggtgggggc ctgaaggagc tctggggaga 1800  
 cggcgggggc tgcaggtcat ttggattcat gcagtgtcac ccatgaaacg gatggggaaa 1860  
 gaagatcctg ctgtcttggg tgcaggatgt tggttgggaa gcagagagag ccggtctctg 1920  
  
 gcaagctgtc cticggcggg ggcgatggct acacccccat gcaccccc aacacaccac 1980  
 caccactact tcttttctt gattttgca tataccggat tccatcaagt tctgaatatt 2040  
 aagttttaac cctgggcatg tgattgtgaa cacacctaag caagcaagag aagtgcaaaa 2100  
 gtgcagcaaa tacaggctgg gaaatagaat cttttctccg gattggttgt ccgtgtcgt 2160

tccgggggtg ctaaccctag acactacagt ctgaactaac aacagttgtt gtaagcaaat 2220  
 agttcttctg cctgtaggca ttcacacga gttaactttt aaataaaagt tttaaagttt 2280  
 taaaaggagc gggagaagac ttgttcagat gaaggaacac caccactcct ctccagaata 2340

caaattaggt ttgctttcca gcacctcagg agaaagcagc tgataaaaat cctgtttgtt 2400  
 ttactgccc a ctgggtgaca ccagtaagaa ttaagcagct cagtgtaggt attggaatag 2460  
 ggcttgcttc tctcagctcc tgaaactaaa ttgagggct ccctgtgcac tccttaggaa 2520  
 caggtaggcc agtgccagaa tctcatcac atggatcatgt gagaaagaat tgaatttata 2580  
 gatgaggtca gctgtgttca aaagccctat gtcaaagtag tatcaggata tttattgcat 2640  
 gtgttttcaa gatcctactt gtgcatgcga gtattttgtga caggtttata accgtgccta 2700  
 ccatgaagtc tgcaggagt ggattggagg tgaagtgggg agaaggaact tagaaaatgc 2760

ccccagaagc cactatgttt atttgtgaaa gtgtttgcac cccatctgcg tacgaaaagg 2820  
 ttgtttcact tgcagttttc ctagttaaat aaagtcaagc ggtaacttgt ctttctctgt 2880  
 gcctgaactg ggaaggaagc ctttttccaa ggtgcctaata atggatctca tttttgtaac 2940  
 actgacgact tattcagctg gatggttaac atggatgcat tttctggttg tagcataagt 3000  
 gtccattaat gcatctgaga acatttttgt cccagctctg caatggttaa tagtctcagg 3060  
 ttctcccagt aactcttctc atagatccct taggatttca tccaccaggc attattcatg 3120  
 cctaactccc acagactcca gggaatttgt ttctcatgtt ctcaatatta gcaggttttt 3180

ttgcactctg ttctgttct gccaggtttg tcccagctc aatttagttt acctgaaatc 3240  
 cgatagagaa gaggctaac ttcatctgac cacaagattg tgtttagggt tgcttggact 3300  
 tgtaagtgcc ttgtagtctc ctgtacaaga ctgtaattct taaacgatta tgtgattagg 3360  
 tctgttttgc cttaataggg tctgtgattc agggaaacga gaacaagccc gactgcagag 3420  
 tattcacaga gcttggttca ttcttaagca ttgtcttag gatttagcat gatttcaccg 3480  
 ttccatatca ctgacctg attccatgga agacccttg tcatctctcc aaatggtgtc 3540  
 caaaacctgt atctttgcaa actttctgc cgtttcttc tgtcattact gtttatagcg 3600

gctgcaggaa ttcacaattt gtacaataga gaatacatga cctaaggatt aggttttccc 3660  
 tcccagcact tgtttgctat aggagttaaa tcattctctc aaacagtggc cctcttgagg 3720  
 agacctgtgt tgttgagtt ttcaagacta agtgccgtg caggagacag tagtcaactgc 3780  
 atccagctctc caaagagatt gttgtttgca tatctgttaa ttatgcaaag tcccaccacc 3840  
 aagggcctat gaagtggcag catcctcaaa aagtataaat atttcagac agtggctcat 3900  
 attgagtgat ggagggtgga ctgtgtaacc tatttatgaa tcagataccc aaagctggaa 3960

aaggaatagt ttctgtatta ctaagcatgg tgaaaaaata ttttcttacc ttcattttcc 4020

attcttccct gccagttagg tgaaatgatg cacggaaca cttggttgga aaccttaaaa 4080

gataatttat gtataccagg aatctttatt cagcaaaagt ttattcctag aaatgaaacg 4140

ttatagacct aaattttctt catccagact taggtaaaag ggtgagattt gaaaatcttc 4200

attccatttt taagggtgta gtcttccagg cagctctgca aggataaggt gattcattta 4260

taagggtgag agagaattta aaatcatgta actcattagt tacctttcca ggtgtgggat 4320

tatgaatgtt ttattacat ctgtttatac cttagatgag tgtttatgtt taagtaaact 4380

taaacaggta tagcacaggc ttaccagggt tttatacaga tggttaacaat aattatttgt 4440

cttctaagga attactccat tatcatgtga gttgagaaat gaatgtaaatt ccaccaacct 4500

aattttaaag catcacagtt ttgcatcatt tgttgtttta ttaatgcgga tgagtcagggt 4560

caggctgcga atgcctcagg aaagacctt aatggacagg aggggtgttt cccctcagg 4620

cttttctttg gggcctgtct taagagcata cacacacagc catccctcca ctgagttctt 4680

gaaagctgcc ttctgtgga gtcacaattt gtacaataga gaatatatga cctaaggatt 4740

aggttttccc tcccagcact tgtttgctat aggagttaaa tcattctctc aaacagtgg 4800

cctgttcgag actgacagg gaaatcttgi ctgccagata gatgagaaat tagcatgatt 4860

cattttcctt ttcttttcc tttcccttc ctttgcctcc accctccata attccatgaa 4920

tcaatggtcc tgagaagtaa atgatgtac agacactata gtcagcatcg tccctgacct 4980

ggacttacgt gattctggaa aattataata ttagggaatc ctggacctaa agaccagagc 5040

taaaaagacc agctaaagca atcatctggt tgaggatgct attcagaaga atttctaag 5100

cacctaaat aaacatttgg taaaggacta agcaactta gaagcttgta gctttaatac 5160

agacatcagt ttaaacctat ttaagggtt gagaaccac agctgtatct tctaatttct 5220

gattagatat tttaaaaata tctaagccta atcagtttga agtaatttga tgggcattag 5280

tttctaaaag tctgattca tttctaaatc tgaattaaac ttttttaaat gcaattttat 5340

aacttttagc gttacatgga agctttaagc aagatatata atgctgtcag aacaaagtct 5400

tatcacacaa gttagtaaat agggtttagt aatgtggaga acttggagc agagttgcaa 5460

actaatagaa attaggactt attaagtctc tgaaaaattt attcttcaa gttaaagctt 5520

cacactgtcc tgttgggtta gcagtttgtt tttttcttat agatggctgg ctctctcttc 5580

actcctggct aaatgaacag aattcaagtt gtaagaactc tgaattagta atattctatc 5640

atgcagtaga ctctttagca ttctctaaca ggattctgtg attcataact gatcccaaag 5700

tttcttgaga cataatcatt catcatcttg ccaaagaata catttgatcc tctatatga 5760  
 gaggttggag taaggctgtg gctcatgaaa gaggatattg taactgccat gttcttcatg 5820  
 cacattgaaa atattatctg tagctgatga taatacatac tataatacta cctcatctcc 5880  
 tactctttct cccccaagaa tcgtatctta aaaacaagaa cgcttggcag gttggacctc 5940  
 cgcattctgt gttttcttc ttaagataag ctgaagtaaa acttggctta ccatgtgctc 6000  
 aatgtaagtc acattaacat tccccacatt actcaaaggg aggagagaat ggtgcgttga 6060  
 agcccaagat acagccatgt gggagataata tgactcctcc tagtccctgt cacatttggc 6120  
  
 agggattctg gtgtgagtg ggcatctagt cacctagaca gcaacttata tagagaaaag 6180  
 gctgctcaag tctctgataa gccaagggga tgactcctta gccagtaggt gggaataatc 6240  
 agaaccatgc cccacagatc tctaaaggg ttgtcatcac cacaccatt tcttgccaa 6300  
 gttctccatt ggagaggagg actcagctag catgggcac ccttctctag tccactaaa 6360  
 accttagtc ttggcaatat tccaacaag cacatacaaa cacgtgtgtg cacatatgcg 6420  
 ggcaccccat gttttcaagg atttaaagaa ataattaaat gtatttcctt cctacaaaag 6480  
 ggctcaggga ccttctctat ttggaaagat ggagacaagt agaatttcaa ggaattaggg 6540  
  
 agtcccaagg aactggcttt tccaggacct ttttctttc ttttctatc cctattctcc 6600  
 ctgactgaag tggaagccaa gaaaaaagt caagcaaaaa ggtcccagag gtgggtgggg 6660  
 cacacacata tgtagaagc acagtgtgga tattgggaat gagaatgggc atgtcagct 6720  
 atactacatc agatcattgg gattttctac ttttatataa aaggagagca aaggcaccca 6780  
 aagttgccag tagatctgta ctttcaaaca ggaagagaat gagaataaca aaacagtttc 6840  
 ttcctaactt ctgctgtgtt cccagagcct ctgagaccc accccttccg ggtccttgtt 6900  
 tttggatgct tgggtgtgaa tgagttacc tacctgtga gtcagcttct attgaaccag 6960  
  
 aagagtcaga gccactgaga gccaaactgat gcttaaacat ttatgaaagc actttcagta 7020  
 ttcctcgttg ttgtttttct tgtgggatga ttgatctggg catttaaca taccttgacg 7080  
 tataaaatcc aaacttcttt gtttagtaca catagcactt cacaatctag ctcttgctg 7140  
 ctgcctccac cacttctct actccacct tctgagcta agtgtgatt cccaattac 7200  
 tcacatgggt gcatgttgct gtgcccttgc acagactctt gtttccctc cctaagtatc 7260  
 ccttctctc tgtcttatgt tatcagactt cttttctact tcagcaccca tctgaaacat 7320  
 caggtgatgc ctggaaaatt tctaggcaat ttgttcattt agagggtaaa tttaaattac 7380  
  
 atagcttact gaatgaccga agcatcaagg agggacagct ccacggtgtc acctttacta 7440  
 ggactcctat tcttcttaaa tgggtgggtac atttgaaaag aacgggtgca tttgccaaat 7500  
 aatacatctg gtctctata ttgagaggtt ggagcgaggc tgtggcatc ttttctcaa 7560

gcatcacttc tctagaagg cctctcttgt tcttactccc acaattggcc tcaagctgtt 7620  
 tctctgagct accgcatcat ccatgtacat cattgtcatt agcgtcagca tgcaacattc 7680  
 attcactttt ccattaatac aagcatccat ttaacaaatc tttgtcgagt gctagcacag 7740  
 gcccaaatth aagagattta gttggtaata cagatataaa caactgaaaa agtaaccaat 7800  
  
 ggtaacagtt catagtgtta tagctgatgc aatattagag ctttagatat tgacaaagat 7860  
 cctggtagtg tacaacataa tccaaaggaa gaaggaatat tttattagaa gcctagccac 7920  
 tctggaactc aatataata atagtaaagg ttgttgtaaa ttcaaagcaa aaaacaaaac 7980  
 aaaacaaaa atctcatacc ctttctcgag tgcaccatca tttaaaaacc acaggagtgg 8040  
 tggtaattgt gacactgtgg agctgtcctt ctttgatgtc tcagtcactc agtaagccat 8100  
 gtaatttaaa ttgacctct gagtgaccaa gttgctctga aaattttcca agtacctgtt 8160  
 acaatgagaa tgagagaagg aggagggaaa ggcggggaca tcatgaaggt agaagaggag 8220  
  
 gaggtttaga atcaagcaca aagagggtc aaaattacgt ggaaattggg gctggtcagt 8280  
 cagttagcca ggggactaat gactttatgc ctgctactct gcagctacc atcattaggg 8340  
 acatcttaaa catagaaagg aaggaacacc caatttcact tcaggcaccc agccacagga 8400  
 actttcctaa ggttgagcct ttgcttgaa agtgagaccg ttatctaagg attcctctcc 8460  
 acacctgat tctgaggag tgttcaaaga ctcaaaaca atgacaggcc tgctgtctgag 8520  
 ctttctgtgc tgcagtaaat gaacgttcag ccttgcctt cctgacctgc ttgtctttgt 8580  
 ttctacagaa cagtgtctcg catggcaggg attccagggc tctcttctt tctcttctt 8640  
  
 ctgctctgtg ctgttgggca agtgagccct tacagtcccc cctggaaacc cacttggcct 8700  
 gcataccgcc tccctgtcgt cttgccccag tctacctca atttagccaa gccagacttt 8760  
 ggagccgaag ccaaattaga agtatcttct tcatgtggac ccagtgctca taagggaact 8820  
 ccactgcccc cttacgaaga ggccaagcaa tatctgtctt atgaaacgt ctatgccaat 8880  
 ggcagccgca cagagacgca ggtgggcac tacatcctca gcagtagtgg agatggggcc 8940  
 caacaccgag actcagggtc ttcaggaaaag tctcgaagga agcggcagat ttatggctat 9000  
 gacagcaggt tcagcatttt tgggaaggac ttcctgtctca actacccttt ctcaacatca 9060  
  
 gigaagttaa ccacgggctg caccggcacc ctggtggcag agaagcatgt cctcacagct 9120  
 gccactgca tacacgatgg aaaaacctat gtgaaaggaa ccagaagct tcgagtgggc 9180  
 ttcttaaagc ccaagtttaa agatggtggc cgaggggcca acgactccac ttcagccatg 9240  
 cccgagcaga tgaatttca gtggatccgg gtgaaacgca ccatgtgcc caagggttgg 9300  
 atcaagggca atgccaatga catcgcatg gattatgatt atgcctctt ggaactcaaa 9360  
 aagccccaca agagaaaatt tatgaagatt ggggtgagcc ctctgtctaa gcagctgcca 9420

gggggcagaa ttcacttctc tggttatgac aatgaccgac caggcaattt ggtgtatcgc 9480  
  
 ttctgtgacg tcaaagacga gacctatgac ttgctctacc agcaatgcga tgcccagcca 9540  
 ggggccagcg ggtctggggt ctatgtgagg atgtggaaga gacagcagca gaagtgggag 9600  
 cgaaaaatta ttggcatttt ttcagggcac cagtgggtgg acatgaatgg tccccacag 9660  
 gatttcaacg tggctgtcag aatcactcct ctcaaatacg cccagatttg ctattggatt 9720  
 aaaggaaact acctggattg tagggagggg tgacacagtg ttcctcctg gcagcaatta 9780  
 aggtcttca tgttcttatt ttaggagagg ccaaattgtt tttgtcatt ggcgtgcaca 9840  
 cgtgtgtgtg tgtgtgtgtg tgtgtgtaag gtgtcttata atcttttacc tatttcttac 9900  
  
 aattgcaaga tgactggctt tactatttga aaactggttt gtgtatcata tcataatatca 9960  
 ttttaagcagt ttgaaggcat acttttgcac agaaataaaa aaaatactga tttggggcaa 10020  
 tgaggaatat ttgacaatta agttaatctt cactgttttg caaactttga tttttatttc 10080  
 atctgaactt gtttcaaaga tttatattaa atatttggca tacaagagat atgaattctt 10140  
 atatgtgtgc atgtgtgttt tcttctgaga ttcactcttg tggtaggttt tttgttttt 10200  
 ttaattcagt gcctgatctt taatgcttcc ataaggcagt gttcccatth aggaactttg 10260  
 acagcatttg ttaggcagaa tattttggat ttggaggcat ttgcatggta gtctttgaac 10320  
  
 agtaaaatga tgtgttgact atactgatac acataataaa ctatacctta tagtaaacca 10380  
 gtatccaag ctgcttttag ttccaaaaat agtttctttt ccaaagggtg ttgctctact 10440  
 ttgtaggaag tctttgcata tggccctccc aactttaaag tcataccaga gtggccaaga 10500  
 gtgtttatcc caaccctcc atttaacagg atttactca ctttcttga actagctatt 10560  
 tttcagaaga caataatcag ggcttaattia gaacaggctg tatttctcc cagcaaacag 10620  
 ttgtggccac actaaaaa atcatagcat ttacccttg gattatagca catctcatgt 10680  
 tttatcattt ggatggagta atttaaatg aattaaattc cagagaacaa tggaagcatt 10740  
  
 gcctggcaga tgcacaaca gaataaccac ttgtttggag cctggcacag tcctccagcc 10800  
 tgatcaaaaa ttattctgca tagttttcag tgtgctttct gggagctatg tacttcttca 10860  
 atttgaaaac ttttctctct catttatagt gaaaatactt ggaagttact ttaagaaaac 10920  
 cagtgtggcc ttttccctc tagctttaaa agggccgctt ttgctggaat gctctaggtt 10980  
 atagataaac aattaggtat aatagcaaaa atgaaaattg gaagaatgca aatggatca 11040  
 gaatcatgcc ttccaataaa ggcctttaca catgttttat caatatgatt atcaaatcac 11100  
 agcatataca gaaaagactt ggacttattg tatgttttta ttttatggct ctcggcctaa 11160

gcacttcttt ctaaatgtat cggagaaaaa atcaaatgga ctacaagcac gtgtttgctg 11220  
tgcttgacc ccaggtaaac ctgcattgta gcaatttgta aggatattca gatggagcac 11280  
tgtcacttag acattctctg ggggattttc tgcttgtctt tcttgagctt tttggaagga 11340  
taattctgat aaggcactca agaaacgtac aaccacagtg ctttcttcaa atcatatgag 11400  
aaatactatg catagcaagg agatgcagag cggccaggaa aattctgagt tccagcacia 11460  
ttttctttgg aatctaacag gaatctagcc tgaggaagaa gggagggtctc catctctatg 11520  
tctggatattt ggggggtttg tttgtttttg ctttagcttg gtgaaaaaa gtctactgaa 11580

caccaagacc agaattgatt ttttaaaaa aatagatgtt ccttttgtga agcaccttga 11640  
ttccttgatt ttgatttttt gcaaagttag acaatggcac aaagtcaaaa tgaaatcaat 11700  
gtttagtcca caagtagatg taatttacta aagaatgata caccatattg ctatatacag 11760  
cttaactcac agaactgtaa aagaaaatta taaaataatt caacatgtcc atcttttttag 11820  
tgataataaa agaaagcatg gtattaaact atcatagaag tagacagaaa aagaaaaaag 11880  
gactcatggc attattaata taattagtgc ttacatgtg ttagttatag atattagaag 11940  
catatttgcc tagtaaggct agtagaacca catctccaa agtgtgtctcc ttaaacactc 12000

atgccttatg attttctacc aaaagtaaaa aggggtgtat taagtcagag gaagatgcct 12060  
ctccattttc cctctcttta tcagagggtc acatgcctgt ctgcacatta aaagctctgg 12120  
gaagacctgt tgtaaggga caagttgagg ttgtaaaatc tgcatttaaa taaacatctt 12180  
tgatcacaaa acccttgttt tctcatataa tgcctataag caatctggtg ttctactaaa 12240  
tacattctgg ggatctctgt aacagccttt tggttgagggt ggtaattgtag aaagaatgat 12300  
gagtcagagt ggggtcagggt gtctgtgcct ttagggttta accagaccct ataaccagga 12360  
tttgaaatc ttcacagcgt gaaattagaa glaataaatt tgaaaattat ctgtcgtga 12420

gaatcagaag tttgtggcag aactggggac acatgtttta catagacttt actccaaatt 12480  
ttgaattttg aaaaggagat agtggtttta aaagggtgga aaatagcctt aaagggttaa 12540  
agaaatagga gcagagtgt atgtgtaatc tttcttttta ctgtttttgg accaaaaagg 12600  
gattgaaata ccaaggtcat gctcccaatt cctgtttctt tgtgtagctc agtctacctg 12660  
cttggggaga tgggaaglac ctgggatgac ctggatcatg tattcaagga atcactcttt 12720  
ctctaacaaa cccacagga ggtctttaat gcagaacttg ttaagaatga ctaagcctgc 12780  
cctggaatga tgactctagg ctgctgtctg ctaactgaag ggtaaatggc agccatccag 12840

tgagtccaga ggaattctga cagtgatccc caacactcac tgagggttc cttcttactt 12900  
tgcttgggtt tgctgtctgt tcatgtctgc actttttctt tgttctgtc atgaaccagc 12960  
tcaggatgac ctgaagtgg cctctgacca ttgatttcta tggatgtttg ataaggcagc 13020

catttcattt atcattcaga atgggattct ttgagaatg ctatgactaa tgaagctggg 13080  
gcagcagggt taagccagggt atgtcttggc caacaagcat gtttggtcac ttaattatta 13140  
acctttcaaa gctctgtata gcgtgcagac tggcagccat ccttgctaata ctaggaacaa 13200  
aggtggggct gcagctccct gcgtttctcc tctctgggct tccattgtga ttcctgtgat 13260

accttctttg cctggctcag cattctgagg gcctccaata ggggaagggc atttaaaaat 13320  
ccttttgatg gggtaggggtc atcgtacata catggcagac atgaggccat ttctgggcga 13380  
tcaacaacac atctgttttt agtctgggggt tcccccgga ggaggaaata aaccagcttc 13440  
cagaacaaga gtaaacagggt gttggccggg catggtggct catgtctgta atcctagcac 13500  
tttgggaggc tgaggcagggt ggatcacttg aggtgaggag ctccagacca gccctgctaa 13560  
catgctgaaa ccccgctact actaaaaata caaaaattgg ccgggcatgg tggcgcatgc 13620  
ctgtaatccc agctgctagg gaagctaagg caggagaatc gcttgaaact aggagtcgga 13680

gattgcaatg agccaaaatt atgccactgc actccagcct aggcaacaga gtgagactct 13740  
gtctcaaaaa aaaaaaaaaa aagaaaaaga aaaagaaaaa agaaagggt aacaggattg 13800  
agagctgaga tagcagcctg gtatgggaag atgatggcct tggagttagg cagactgatt 13860  
ccacagtgtg ctagtctctt atggcaata aatcccaatg cattgtggtt taaaatttaa 13920  
acctcctat atgatttaaa gatcctccct cttctgggtt ccagcttctc agtgggctca 13980  
tttgaagctg aggaagagag aaaggagaca ggcatattta tctgactcat tgcagtgatg 14040  
ttctctcttc attgcttgct gcttctcaga taacaccagc tcttctaccc tccttagccc 14100

ttaactatgg tgatataacc ctctgtctcc tgcgcacctt tatctaacag atagctgtct 14160  
caagtacaca gccagcaaga tgcttcaagc ccagtcactt tgtttcctat ttgcataacc 14220  
cacaagaac tcataggctt gctatactg tgtgttagtg gcttatttag aatttgggag 14280  
ggaatatgtt tgagcctcaa caaactgaag tgcaagggcc cctggcagta tcaaatttgt 14340  
tctgtttaag agacagatgg ggaagagttc aaaaagatag attccagcca gctcatatag 14400  
aaattaagga ttctgtcaag gtctttttta ttcatcttac ttgctggggg atacagtcaa 14460  
aggactttta gtaggagccc tggtaggggc taatcaggac cgacttatcc atgaaggagc 14520

agtaggcaca gtgtctaggg cccacagcag ttccagagat cacacagaaa tatttatatt 14580  
aaaatcagaa gaagaaagt aatttttaag cctaataaaa tgtgttaata taatgttaat 14640  
atatttatat taacagccat aaaatataat ttttaatat ttttaatgga gaaggagact 14700  
tatgaaggca aaagtgtta gggccacaa aaatcaaat gcagccctga aactcattca 14760  
tatttgacaa tatctctttg gatgctaaat ggagaatgga ttttaggcag tggcaatggg 14820  
aaaactagta atccaggtaa gaaatggcag tgactttgac tttggaagta gaggatattg 14880

aatagtggtc atatctggaa gagtatatat ttgaaagtag agccaacatg aataggtgtg 14940

gtaaaggagg aatcaagaat gactgcttgg ctggggcct gagcatccac agagattcca 15000

ggtgccattt gctgagatgg gaaagactaa aggaagagaa ttagattctg ctgtggaaat 15060

gaaaaccgag aattcctgtg tcagtcattg taggtttcaa ctgtctagcg gacacccaaa 15120

tgccaatgtc aatgaacta taggatctct gattgtgaag ctgagtagaa atatctcaa 15180

tgcatttga gatgataatt aaaccacaga gaaataatat catctgggga gagaatgagg 15240

cttgagaaga gaagagggtc gaggacagag tccagtcga ccaacattta gatgttgggt 15300

tcagtagaag agaaggagga agaggaggag gaggaggagg cagtaaggaa gctggtaaga 15360

agccaccaat aaggttaagg acaacaagga aatgtggcc tcaagaaaag caagagaaaa 15420

aagtgggaag ccaggttag gaagttagag acaagggtg ggacaagatc agatttgtct 15480

tcaggttatg tttagaaatg tccctctggc tatggtggga aagacgggtt ggaaggcagg 15540

agaccagaga ggagtctgtc tagtcctcca agcctcagct gttttcatga caagcagaac 15600

cttgccctgt gtgtctctgt gcaccacca tgcaagcatg gggcactgtg caccaggtat 15660

gcttatcatg cctgtgaatg agggattgat taactgaatc ctccaggac acttgggaca 15720

gctctgcccc caagaagagc aagaaccag gcatcaatgg ggtggtgcag acatgggctc 15780

agggaggccc tctgccatcc cctctgcct ggaccaatgt tttctgagag gcagaaagtg 15840

cagggtgact ctctactgtg gtatttgtct atgtgtgtat caagtgtga aaaatactgt 15900

gctctcttag tcttgattta tcaactgccc ttgtcttcgg gctattaaaa ggactaagc 15960

cctgtcttc ataaagagca agaacagctt tgagaagcgt caagttcaa tccagtgaag 16020

aaagactgaa gtgtttgcct tggagagaat gaggagagtc tcaggaaatg aaataaacag 16080

aacaaggggc tagaatcaa gcagcagccg tgggaacagc agccagttct tgccatcaa 16140

tgagatgtct tctcaggatg gccttccctg gccatcttct ctgaaattca atgccctca 16200

gccccctct cggggagttc ttattgccct tcctgtttt attgtctgc tctgcactta 16260

tcactaacac tgttatattt atgtatttgt cctctgccac tagaatgtaa tttcatgagg 16320

acagagggtt ttatctgttg tgtccccaca attagaacag tgcctggcat gtaggttctc 16380

aataaataat gttattcaaa tggctgattg aacgaatgat ccagatggt ttatataacc 16440

cagaacatga tgacttaggg ttatgtgagc ttggatattt cttgggtcca aacacatccc 16500

agaataaaac tctgtgtgtg tttgtatgt attctgttct attctagcat gtgttacatt 16560

gctgttgta tttatgtgc tgcctcttct acaagactat gagccttgca agagcagggg 16620

ctgagttctg ttcttctgtg tcttccctta tctatcccat ggtctagcac aggaaatatt 16680  
 tgtgagaaag tgagtgtctg tctgtctgtc atgacttagc ctgtcatgac atagatcctc 16740  
 tcccacatct cacaggcaac aagctagagt tctgtgctat ccatcacctc ctctccagct 16800  
 cccctgccac tgccttgatt tcacctgtt gtttctcctt taactatgac agcagattcc 16860  
 aaactggatt ctgagcctcc cagctcgccc acacctgccc aagacatgtt ctgaagcaaa 16920  
 gacctgatea ggccccctcc ctatgtttcc tatigactag atgctggta ctagagaagt 16980  
 ttagttttct tagccatgaa tccatgacca atccaatata gtgatcagat ttatcccca 17040  
  
 ttgcttccca gattcacata acctgtctc tagccaagtt gtaccaaaca catccgtgtt 17100  
 ttcaaccttc tgcatttct caagctctcc taccctccag ctaggttgcc ctctcccat 17160  
 ctcttcaatt agtcaatcat tcagttattc attcagcaaa tgtcctcaag cccacctcgg 17220  
 tgccagtcac tgtgttcacg ctggggctgc agagatgact gagatacatc cctgtgtca 17280  
 ggggtgtcat gcgtctctc cttttgaggt cactgtagtc atgactcttg ctctacctcc 17340  
 cagagtgatg aggctcagta actacctct ccacaaaata tcttggcctc agtacaatgg 17400  
 aattgccact ttglaaatg aatgagttga gtgcttcccc tacattttaa taagtcttg 17460  
  
 agttaccgtc ctgcctgatt attacatttc ctttcttggg tttattaaaa ctgtctccac 17520  
 ccccagttcc ctgatggaaa atgccatgtt tggtaaaacta acatagcccc cagcatgact 17580  
 aatatcctct gtggataagg cattctggga cataaggaca ctgtttttt aaagtgacag 17640  
 gttttactac tccagatga tttccagacc agctgaacac agcgttggaa tagaaatgcc 17700  
 accactttgt ctttctactt tcacagaaaa gatgtgttgg ttgagtataa cataatatca 17760  
 ggaagaatc attcaattcc ttattatat ctttaccgat cagcctcttt atgctttgtt 17820  
 ttgttcttca agctgtttag tgtcccaaat tctcttact ttgtctgagg tcttgaaaat 17880  
  
 tgtaaaatcc tatgaagatt catctgcaga aaaagtttaa cttgaaaatc taattattta 17940  
 taagaccac ttttgtgaaa gaataaaaca tgatcatgct tgagtctaaa actctggaca 18000  
 tttatagttg cgatcagatt tatttccatt ctatatctt tcaaatggcc tatttttct 18060  
 tgaaaatatg gtttttggg ggcaagaaaag ctttttttg tgatttttt tattgccttc 18120  
 taactgtggg ctctgtttc cctcatgctt tctatttcat gtatagtata ttttgatca 18180  
 tgttttctt gactctggaa ctctctataa ctttttataat ggtgttctt ttagatactg 18240  
 ttttaaaac tctttcttt gaaatgtgtc aatctgtcca gagaattaag ttaatgatgt 18300  
  
 ggctattttt aaactcttta gatagctatg gttgaaaaga caaaaaaca agtgagcaat 18360  
 tctgtgactg cagatagaac ttttctaaat ggctggctgg catttttgag acaaaactct 18420  
 atacttttat tgaataacct ctatttctgg ctcatggatt gtcaccgtat tctagaagta 18480

agacaaagag ccttgtctgg tggacctgaa caccaattag agtttctttt caagagtatc 18540  
 actattcagc tctcctgttt gccactggcc agttgacttt ttatagccag tgaaaatcca 18600  
 tccaagaatc ctgcagtttc ttcatgaatt tgttcttgta atgaatttac gttgtgttca 18660  
 ggcaagtatc agatcattca tttatgaaac caacaagcat gtattgagta cctgtaatgt 18720  
  
 gccagacact tttatgaatg atttacatat attaattaat tcacttccca ctacaaacct 18780  
 atgaagtagg cattgatttt gtatccatgt cagagagggg ctaattgaag caaggtaact 18840  
 tgccaaaaac acacagctag aaatgggatt catatcttag cagtctgcct tgggagtcca 18900  
 tgcctcttatt ctactaatag caaggtgccca taagactacc gtgagtggag caactaacca 18960  
 tgccctccaga ttgggagtca ggagcctcag ggaaggcaaa ttcagaacaa gagttgtttg 19020  
 atccttgatg aagaggctta atcgttgatt tgatccttgt tagcaactga ttagcacata 19080  
 ccaaattacc tgcagagaag atacaccaga aaaaaatatg tgcacatatc tgcaaagctg 19140  
  
 tattacatac ctaaaaactt tgtatcatca gtacaagtat aaaacaaatc atgtgtgatt 19200  
 tgattcattt atacatgcta accaaatatt ttcagatttc ctttatgctg tgccacatca 19260  
 tatgtatcat taattgaaat ctattttgaa tggccaacat tcagaagttt ctcgagtgcc 19320  
 tggggtggga atctaaattt ttaagacaca ctattgtttc aaccattggt tttccttata 19380  
 acatgattct gatcaatttg tatntagtaa gtgtttccga ccatttagaa agacctttcc 19440  
 tttctaaatc aacacgtaac ttgaaaaaat aaatcaaaat tttgaaatat caccttgttc 19500  
 tgtagattca gactaaacga tctcagattt cttcatgtgt tggaaaatgt acttaaaaaa 19560  
  
 aatctttccc cgaggcatct tctttgccaa ctggactgac ttttgcctcat tcttggattg 19620  
 cccctagtg gtttatitaa cttatgacta tttcccagat gctcatcggc aactcgtggt 19680  
 tttcttgaat ttgtttttag tttgatcttt tccacacctt ctcccatttg cagagagggg 19740  
 ctccaaaga cagtgtcttt gaatgagggt gagcaacgtg caaagtggca caaacgttta 19800  
 gtgttaatca atacatgcca ttaatgatgg tggtgaaatc cttctttcaa gtttgttctc 19860  
 tttttttctt tgtgctgttt ttaactttgc caactcctta ctttcttccc tctgttaaca 19920  
 tcctactgga gtggtgccag gtaatctggt ggcacaggat gacttacagg caatgctgtg 19980  
  
 tcttgaaaat gccaatagg aatgctgaat gctgctgggc gggagtccca tgctctcacc 20040  
 catataacaa gtcagcactc cataggcctc agtcagaccc agacttcttg gctccttttg 20100  
 ggtagctaag gctatgactc gctggcctag acacttaagc atcatccaaa tagcgagaaa 20160  
 aacctttgag tttctgtaga aagccagcga gagaccaga cagcatcaca gacctgacac 20220  
 tctgcagaac tctgggtcca ggccatctgc accaattaga ccagaaccaa gaaacgcagt 20280  
 gcaagatgca ttattaatc aaaacttttt tcaataagaa aaaagccaat tattggctcc 20340

atttttttt agagagagaa cacctacact gctatatata atttattaac ttagtttagt 20400  
  
 ctctcaatat ttagcaagtt tgtttaaaaa ttaccattcc cattggttta tagtgacatg 20460  
 aatataaacc cataatttca aagtcagcat tcctttcact gtgaacataa ggctttctta 20520  
 gagatagtgg gggttgggga acagtaatga ctgtggctgg tgggcactgt tcaaagccaa 20580  
 aaagactggc aggtttggaa aggcatacac tgtgtataga cactctctca gtatactact 20640  
 gtccccaca cttttgctgt acattcttgt ctcaaaatat ggtataaatt attcccttaa 20700  
 atttgaaaaa acaattaaga tgaatacatt ttcacttca tttcacaata actcttttaa 20760  
 atataaaaag ttctcatgt ttgttaaatac tgttcaaaag ttgcatttaa gtactttctt 20820  
  
 cacaacatgt acaatgtttt catccttagt gcctcattac aatcagtttg gcaataagac 20880  
 ctccagtgtc ttatcaaaaa tggcattcaa tagattataa gattgataaa tctgcatttg 20940  
 aatcagtcctt accacaatga attataacaa agtccaaaaa atgtataact attcatcaac 21000  
 acccttgga cctatgaatt attgcaata atctcccacg tgcattgaat tcaaacataa 21060  
 actttgtggg gaggggtgtt aaaataaata ctacagtatt tcttcaattt tatttaatgc 21120  
 tgcctagctg gttaaatgaa agattaatta ctaacaggaa gagtcaaaat ttttaaggact 21180  
 gttttctaag aaggacaatt ttgcaaaaca aagataagca agagcctatg caaatacatt 21240  
  
 ttctttagt ataattgaat tgctaatatg aggtataatc tgtaagcaat taatacaaat 21300  
 ataaataagt ataagccacc actaactcac agtctcatga aaagcttctc agctaaagta 21360  
 gtttgaggat aaggttaagg gaaatgagga gtggacaggg caggtttcca gtgggaacat 21420  
 catttatgtg ccttatcatt atcatcatcc tgtatgtacc agtccattgt tgcagaaagg 21480  
 taaatccttt ccaagtatgt tatactttat gtagcacagt aaaattattt aagtattact 21540  
 aacgctttat ttgcgtttgt atttagatat acacataatt atatatgcat atcaaaaact 21600  
 ataaacagaa ttttaaaaca ctttatctca tttgaggaaa gttaacaggt aagacaaatc 21660  
  
 tatgtactat agaatttttg aggatatcta aactcagggt gaaacaaaga aaaacatttc 21720  
 tactcttta gtaaagggtc tgtgtgaaac ctcaagctct cgctcaattt tttttataga 21780  
 tgggtatgtt tgatgaggat tgtgatccaa tgattgttta gcagcaattt tacccaactg 21840  
 taaattcttt tattaacagg cattataaac agatagtact aatcttattc taaaaccatg 21900  
 agtgccacac tggatgaat acagcttatg aataacttaa aaagtatttc ccattttaaa 21960  
 aggcaaaccc agcatacaaa aacttatact aaatgaagaa gctataatat ggatacatga 22020  
 ttgatgtgtc taaaatgata tatacagtag ataattaatg ttaattatgt gatctgtaca 22080

tttttccatg attcccttca tgcttcacit tccccagaaa ctgaaacctg tacttcctct 22140  
 tctaaaattg gtacaatgag gttatccctg gacatcaaata tatatttcat ctaattcatc 22200  
 acaaatttag taatccgatg acacaaaaat gtttcctttt catattcatc aaatatctac 22260  
 caatgatgaa aataaacatg tgaaaaatatt ctgtaactcc taaggatatag tgatcctagt 22320  
 tttgctacgg attacttctt tatgctaacc ctgctgggaa aacattgatt gctcttcaga 22380  
 agacatgcag caccatcaag tatgtgtctg gtataggcta tagcaggaca ctctttcaga 22440  
 gctttatgag ctgcacaaag aaaaatccat tgttcagttg ctgtcatttg agtgcaagta 22500  
  
 tctggatggc attcactctg aagtttgaca acaagtcctg ttagctcaag acagaattcc 22560  
 cttaaatgtt catacttcca taactttcat cttggccttc agctgggtca agaattttgt 22620  
 caatatgga gcaatctgct cttatgttct gttgaatata ctgttgaaca gctagtgtac 22680  
 tgtctatttc ttcaaagtgt tcttcaggcc aattataaaa atcctgtgcc cagcccgctc 22740  
 cgctcagca cgctgcccc tccgcatga ccatagtgtc agcgtctggg cctattggct 22800  
 cgatttaata agtaagagta ccaataattt tttagaagta aaatggatgt attaaaggat 22860  
 tttaaagaaa aagcacttgc ttttatctga attttaaaag gagaattgac attacagatg 22920  
  
 aaataaagat gaatacagaa gagaagatcc tactttaaat gcaaaataat atctataaaa 22980  
 tgggactagt aatttcttcc tagagagctt gtgataacta gagataatga atataaagtg 23040  
 accagtgaat tatcaagcac ataatagggg ttcatattt tattcgttca tttggcaaat 23100  
 atttattgag cacctactat gcaaggcata gtaggtaaaa ctgaaaaacg tgtctttgtg 23160  
 aagtttacgt ggtaatttcc catcccatat gccaaagaga taacagggga ggaatgacca 23220  
 ccatctttta gagacttgta gtatcattta ggagatgaaa tgttatgttt tatgtggctg 23280  
 tagaaagcaa aactagagcc aggcattgtg gctcacgcct gtaataccaa cactttggga 23340  
  
 ggctgaggcg ggagaatggc ttgagctcag gagtttgaga ccagcctggg ccacatagtg 23400  
 agacctctc tcaacacaac atcgaaaaat tagctgggtg cagtgaagtg tgcctatagt 23460  
 cccagctaata ctggaggctg aggtgggagg atagcttgag cctgggaggt cgagactgca 23520  
 gtgagctgtg atcacgccac tgcacttcag cctgggcgac aagagtgtga acctgactaa 23580  
 aaaaaaaaa aaaaaaatg cagaactagg accagtggat gatctttcaa ggttggtggt 23640  
 tttcataatg aaaggaaaac cctgtttaca accaggactg tccaggaatg ggatggggcc 23700  
 acctctggga gcagagagac atgggctgga ggtgattctg ttagtggaag tattttgtag 23760  
  
 agaatttgag acctgtatc aaggatcttt gcagcgtggg caaggaggga atacaaaatc 23820  
 ggtgtttcct tctgcctctt aattccaaga tcttggaact ggggtgggaa gccaaagccat 23880  
 tgaccagaac cagggttaca actcgggggt gagtgtggga gtttaaatgc aggatccaca 23940

ctggttacag ctgaactgga gccacagatt cctgtcactt tctgcctcca gggatcaagt 24000  
 accatgggtc tcgacctgac cagcctgaag gtttgggagg ccccgtcagg ggtgggggc 24060  
 aagttacttt ccctaaaaga atgaagaggc tacatctggt gaccagacac aaacatggag 24120  
 gcagagggtg ataaggatga tacatacaat ttattcagtt cctatttctt ttactttagt 24180  
  
 attcctaate tgtaaaagca tcataaaaaa aaatgtatga ttaatctcat tttacagatg 24240  
 aagagactga cggtcggaga tgtagaatag ctaacctaat ttagtgtaaa gccaggactt 24300  
 tgaacttgct gtctctgtgt ttcatctact tcagatggct ccctaagtga tagaatgaga 24360  
 cctgtgtgcc aaccctggcc tagtctcat gccccacaa ctgtgaagcg agagggtca 24420  
 acagtttcca attcaattca accaccacct cctgaatacc aactaggttc caggacctgg 24480  
 ctagaagcag agacaccagg acagaaaaga cagtgttctg ctttcatgga gttcacagaa 24540  
 gagtcgagga ggtaagtcca tatcagatta tcacaaagca gtgtgcttaa tgggtgctta 24600  
  
 atcttttcat gtttccacat tttctaagtc attttaacgg agcaaagcaa tgtcacattg 24660  
 gtttcatcaa gaattcagag caggccgggc gcggtggctc acgcctgtaa tcccagcatt 24720  
 ttgggaggcc gaggcgggcg gatcacgagg tcaggagatc gagaccatcc tggctaacac 24780  
 ggtgaaaccc cgtctctact aaaaatacaa aaaattagcc gggcgtggta gcgggcgcct 24840  
 gtagtcccag ctactcggga ggctgaggca ggagaatggc gtgaaccggg gaggtggagc 24900  
 ttgcagttag ccgagatcgc gccactgcag tccggcctgg gcgacagagc gagactccgt 24960  
 ctcaaaaaaa aaaaaaaaaa aaaaaaaaaa aattcagagc aaggggcttt ggtgaagaga 25020  
  
 agtcaaagcc aaaagagggc tctgccgttt agaagaaggg gaatcattca gcctgggcaa 25080  
 catagtgaat tccgctctgt acaaaaactt caaaaattag ccgggcatgg ccccgatgc 25140  
 ctgtgtttcc acctacttgg gaggtgagg tgggaggatc gcttgagcct gggaggtgga 25200  
 gattgcagtg agccaagatc acaacactgc acttactcca ttctgggcaa aagagtgaga 25260  
 tcctgtgtca aaaataaaaa taaaaataaa aataaaataa aataaaataa 25320  
 aataaaataa aataaaataa aaaacaaaat ggaggaaagt aagaacagtg gggtagggcc 25380  
 ttggaactct gaaattatga tggaaccag tctttttatc tttttttt taaattttat 25440  
  
 tttattatta gtatacttta agttttaggg tacatgtgca caatgtgcag gttagttaca 25500  
 tatgtataca tgtgccatgc tgggtgtgctg caccattaa ctcattctt agcattaggt 25560  
 atatctcta aagctatccc tccccctcc cccacccca caacagtccc cagagtgtga 25620  
 tgttccccct cctgtgtcca tgtgttctca ttgttcaatt cccacctatg agtgagaata 25680  
 tgcagtgttt gctttttgt tcttgggata gtttactgag aatgatgatt tccaatttta 25740  
 tccatgtccc tacaaaggac atgaactcat cttttttat ggctgcatag tattccatga 25800

tgtatatgtg ccacatttcc ttaatctagt ctgtcattgt tggacatttg gattgggtcc 25860

aagtctttgc tattgtgaat agtgccacaa taaacatacc tgtgtatgtg tctttatagc 25920

agcatgattt atagtccctt gggtagacac ccagtaatgg gatggctggg tcaaatggta 25980

tttctagttc tagatccctg aggaatcgcc aactgtctt ccacaatggg tgaactagtt 26040

tacagtccca ccaacagtgt aaaagtgtt ctatttctcc acatcctctc cagcacctgt 26100

tgtttcctga ctttttaatg attgccattc taactgggtg gagatgggat ctcattgtgg 26160

ttttgatttg catttctctg atggccagtg atggtgagca tttttcatg tgtcttttgg 26220

ctgcataaat gtcttctttt gagaagtgtc tgttcattgt cttggccac tttttgatgg 26280

ggttgtttgt tttttcttg taaatttgtt tgagttcttt gtagattccg gatattagcc 26340

ctttgtcaga tgagtaggtt gtgaaaattt tctccattt ttaggtttc ctgttcactc 26400

tgatggtagc ttcttttctg gtgcagaagc tctttagttt aattagatcc catttgtcaa 26460

ttttgtcttt tgttgccact gcttttgggt ttttagacat gaagtccttg cccatgccta 26520

tgtcctgaat ggtaatgcct aggttttctt ctagggtttt tatggtttta ggtctaactg 26580

ttaagctttt aatccatctt gaattgattt ttgtataagg tgtaaggaag ggatccagtt 26640

tcagctttct acatatgact agccagtttt ccagcacca tttattaaat agggaaatcct 26700

ttcccccattg cttgtttttg tcaggtttgt caaagatcag atagttgtag atatgcggcg 26760

ttatttctga gggctctgtt ctgttccatt gatctatata tctgttttgg taccagtacc 26820

atgctgtttt ggttactgta gcctttagt atagtttgaa gtcaggtagg gtgatgcctc 26880

cagctttgtt cttttggctt aggattgact tggcaatgcg ggatctttt ggttccatat 26940

gaactttaaa gtagtttttt ccaattctgt gaagaaagtc attggtagct tgatggggat 27000

ggcattgaat ctataaatta cttggggcgg tatggccatt ttcacgatat tgattcttcc 27060

taccatgag catggaatgt tcttccattt gtttgtatcc tcttttattt ctttgagcag 27120

tggttttagt ttctcctga agaggtcctt cacgtccctt gtaagttgga ttcttaggta 27180

ttttattctc ttgaagcaa ttgtgaatgg gagttcactc atgagttcac tcatgatttg 27240

gtctctgtt tgctgttat ttgtgtataa gaatgctgt gatttttga cattgatttt 27300

glatcctgag actttgctga agttgcttat cagcttaagg agattttgcg ctgagacgat 27360

ggggttttct agatatacaa tcatgtcatc tgcaaacagg gacaatttga ctctctcttt 27420

tcctaattga atacccttta ttctctctc ctgcctaatt gccctggcca gaacttccaa 27480

cactatgttg aataggagtg gtgagagagg gcatccctgt cttgtgccag ttttcaaagg 27540

gaatgcttcc aatttctgcc cattcagtat gatattggct gtgggtttgt catagatagc 27600  
 tcttattatt ttgagatacg tcccatcaat acctaattta ttgagagttt ttagcatgaa 27660  
 gcattgttga attttgtcaa aggccttttc tgcactctatt gagataatca tgtgattttt 27720  
 gtctttgggt ctgtttatat gctggattac atttattgat ttgcgtatac tgaacgagcc 27780  
 ttgcaccca gggatgaagc ccacttgatc atggtggata agctttttga tgtgctgctg 27840  
 gatttgggtt gccagtatit tattgaggat ttttgcacg atgttcatca aggatattgg 27900  
 tctaaaattc tcttttttgg ttgtgtctct gccacgcttt ggtatcagga tgatgctggc 27960  
  
 ctcataaaat gaggtaggga ggattccctc tttttctatt gattggaata gtttcagaag 28020  
 gaatggtacc agttccctct tgtacctctg gtagaattcg gctgtgaatc catctggtcc 28080  
 tggactcatt ttcgttggta agctactgat tattgccaca atttcagagc ctgttattgg 28140  
 tctatacaga gattcaactt cttcttgggt tagtcttggg aggggtgtatg catcgaggaa 28200  
 tttatccatt tcttccagat tttctagttt atttgcgtag agatgtttgt agtattctct 28260  
 gatggtagtt tgtatttctg tgggatctgt ggtgatatct cctttatcat tttttattgc 28320  
 ctctatttga ttcttctctc ttttcttctt tattagtctt gctagcagtc tatcaatttt 28380  
  
 gtgatccct tcaaaaaacc agctgctgga ttcattaatt ttttgaaggg atttttgtgt 28440  
 ctctatttcc ttcaattctg ctctgatttt agttatttct tgccttctgc tagcttttga 28500  
 atgtgtttgc tcttctttt ctagtctttt taatttgtat gttcgggtgt caattttgga 28560  
 tctttctgc tttctcttgt gggcatttag tgctataaat ttcctctac aactgcttt 28620  
 gaatgtgtcc cagagattct ggtatgttgt gtctttgttc tcgttgggtt caaagaacaa 28680  
 ctttatttct gccttcattt cgttatgtac ccagtagtca ttcaggagca ggttgttcag 28740  
 tttccatgta gttgagtggg tttagagagag tttcttaatc ctcatgttcta gtttgattgc 28800  
  
 actgtggtct gagagacagt ttgtaataat gtctgatctt ttacatttgc tgaggagagc 28860  
 ttacttcca actatgtgac caattttgga atagggtgtg tgtggtgctg agaaaaatgt 28920  
 atattctgtt gatttgggtt ggagagtctt gtagatgtct attagggtcca ctggtgagc 28980  
 agctgagttc aattcctggg tatccttgtt aactttctgt ctcatgtatc tgtctaagt 29040  
 tgacagtgga gtgttaaagt ctccattat tattgtgtgg gagtctaagt ctcttttag 29100  
 gtcactcagg acttgcttta tgaatctggg tgctcctgta ttgggtgcat atatatttag 29160  
 gatagttagc tcttcttgtt gaattgatcc ctttactatt acgtaatggc cttctttgtc 29220  
  
 tcttttgatt ttgttgggt taaagtctgt tttatcagag actaggattg caaccctgc 29280  
 cttttttgt tttccatttg ctggttagat ctctctccat ccttttattt tgtgcctgtg 29340  
 tgtgtctctg cacatgagat gggtttctg aatacagcac actggtgggt ctgactctt 29400

tatccaattt gccagtctgt gtcttttaat tggagcattt agtccattta catttaaagt 29460  
 taatatgtt atgtgtgaat ttgatcctgt cattatgatg ttagctgggt attttgcctg 29520  
 ttagttgatg cagtttctcc ctagcctcaa tggcttttac aatttggcat gattttgcag 29580  
 cggctggtag cggttgtgcc ttccatgtt tagtgcttcc ttcaggagct ctttagggc 29640

aggcttgggt gtgacagaat ctctcgcat ttgctcgtct gtaaagtatt ttatttctcc 29700  
 ttcacttatg aagcttagtt tggctggata tgaattctg ggttgaaaat tcttttctt 29760  
 aagagtgtt aatattggcc cccactctct tctggcttgt agagtttctg ccgagagatc 29820  
 cgctgttagt ctgatgggt tccgtttgt ggtaacccaa ctttctctc tggctgcct 29880  
 taacatttt tcttcatct caactttgt gaatctgaca attatgtgc ttggagtgc 29940  
 tcttctcag gagtatctt gtggcgttct ctgtattcc tgaatctgaa tgttggcctg 30000  
 ccttgcata ttgggaagt gtctggata atgacctgca gatttttc caacttggt 30060

ccattctcc cgctacatt aggtacacca gtcagatgta gatttggct tttcacatag 30120  
 tcccatatt ctggaggt ttgttcgtt cttttattc tttttctct aaacttccct 30180  
 tctcgttca tttcattcat ttcatttcc atcactgata tctttcttc aagttgatca 30240  
 catcggtcc ttaggcttct gcatttctca ttagttctc gagcttggc tttcagctcc 30300  
 gtcagctct ttaagcatt ctctgtatt gtatttctag ttatacatc gtctaaatt 30360  
 ttttcaaagt ttcaactt tttgccttg gtttgaatt cctcctgtag ctcatagtt 30420  
 gattgtctga agccttctc caactctca aagtcattct ctgtccagct ttgtccgtt 30480

gttgggtgaga agctgcgtt ctttggagga ggagaggtgc tctgtttt agagtttcca 30540  
 gttttctgc tctgtttt ccccatctt gtggtttat ctacttttg tctttgatga 30600  
 tggtagatga cagatgggt tttgtgtg atgtccttc tgtttgttag ttttcttct 30660  
 aagagacagg accctcagct gcaggtctgt tggagtgtg tagaggtcca ctgcagacc 30720  
 tgtttgcctg ggtaccagca gcgtggctg cagaacagg gatttctgt aaccacgaat 30780  
 gctgctgtct gatcgttct ctggaagtt tgtctcagag gactacttg ccgtgtgagg 30840  
 tgtcagctg ccctactgg ggggtgcctc ccagttaggc tgcctgggtg tcaggggtca 30900

gggaccact ttaggaggca gtctgccgt cctcagatct ccagctgcgt gctgggagaa 30960  
 cactgctct ctcaaagct gtcagacagg gacatttaag tctgcagagg ttactgctgt 31020  
 cttttgtt gtctgtccc tgcctcaga ggtggagcct acagaggcag gcaggcctcc 31080  
 ttgagctgt gtgggtcca ccagctcga gcttccagc tgccttgtt acctaagcaa 31140  
 gcccgggcaa tgggtgggc ccctcccca gctcactgc caccttgag tttgatctca 31200  
 gactgctgt ctagcaatca gcgagactcc atgggcatag gacctccga gccaggtgcg 31260

ggatataatc tccttgtgca tcgtttttta agcctgtcgg aaaagcgcag tattagggtg 31320  
  
 ggagtgaccc gattttccag gtgccatctg tcaccccttt ctttgactag aaaaggaac 31380  
 tccctgaccc ttgctgttc ccaagtgagg cagtgcctcg cctgcttca gctcgacat 31440  
 ggtgcactgc acccactgac ctgtgccac tgtctggcac tccctagtga ggtgaacctg 31500  
 gtacctaga tggaaatgca gaaatcacc atcttctgtg tcgtcatgc tgggagctgt 31560  
 agaccagagc tgttctatt cggccatctt ggcttgactc tgtaatatcc tatagaagtg 31620  
 ttgctctca tatcacagg gctatacacc ccgtaatat attcgtata tcctaggag 31680  
 acattactac taatatcaca gaggtgtaca cctttaaca ttattgtaa taccctagga 31740  
  
 agatattact cctaatact cactgggtgt acaccctgtg atattattca tgataccta 31800  
 gggagatgtt cctcctaag tcatcagggg gtacaccct gtgacatcat ttgaaatatt 31860  
 ctatggggat gttactttta aagtcacagg gggtttaca actgtgatata tacaataat 31920  
 gtgctacacg gatgttactc ctaatgtcac aggcgtgtac acccagtgt attatttga 31980  
 ataccctagg gggatgttcc tccaatgtc aacgggggtt acaacttga atactattcg 32040  
 taataccta ggcggatgtt attcctaag tccagaagg tgtacactcc gtgatattat 32100  
 tttttatc ctacaggat gttattacta atgtcacaat gctgtacac cctgcgatat 32160  
  
 tattcataat atcctaagg aatattactc ctaatgtcat agcgggttta cactttttg 32220  
 tattattcgt aatataccta gggaatatta ctccaatgt catagcgggt ttacaccttt 32280  
 ttgtattatt cgtaatatcc tagaaagttg ttactcctca tgtcacaggg tgtgtacac 32340  
 ctgtgatatt ttttgaata tccagtggg atgatactcc taatgtcata gcagggtgac 32400  
 cccctgtgaa attttttga atagttttgg gggatgttac ttttaattgt acacgtgga 32460  
 tacacaccgt gatattatc gtaatagcct atagaaatgt tactcttaat atcacgggg 32520  
 ctctacacc tgtaatatta ttcataatat ctaggggaa tgttactact aatgtcacag 32580  
  
 ggggtgtacg cctgtgata tcattccta tattctagg gatgttactc ctaatgtcac 32640  
 aggggtgtga cacactgtga tgttattcat aatataccta aggtatgtta ctaccaatgt 32700  
 cataatgctt gtacaccttg tgatattatt tctaattatc tagagagatg ttactccta 32759  
 <210> 4  
 <211> 14041  
 <212> DNA  
 <213> Homo sapiens  
 <400> 4  
 cccacacaca taatgaagag aaaatctcta ataatttatt gaccttcagt ttcacattgt 60

gaaaaaaaa aaaataacag ttttacaaaa cctcaaatg tagtcatagc aaacaagtac 120  
 atatgaacat gaacattttc cttcaactta tacagagttt tgtacgtgaa ccacatggtc 180  
  
 aatagccaag agagggacat tatgcagctc taatcactct tattcaagac aggtgtcaag 240  
 cccaaagaaa aggggctaca caattatacc agaagtggag ggctgccctt tgttatgtgt 300  
 ttctacagca accagcccac aaaataagaa gaacctttctc tgtcttatgc caaggttttt 360  
 gtgtgtactg tgctgtgaat tgtattttgt tcaaagtgtg ggacgtttca cagggtgaga 420  
 atggtcaagt agtgagacca aatgcctata tgcattcaaa gagtgggagt ccagaaagtt 480  
 ccctacaggc tgggggcccc acccttacca cagctccctc tggctcacac acagtaatta 540  
 atagaggatt caagaacaga cccaacttt gaaacagctg cagaaaattc atcctgcttt 600  
  
 cagaagccat gcagtgcac atacatctct ctggcagat ttgcatcata aactacagag 660  
 ctgtaactgc tacaataaa acgacactga ctatgccac tgggggacaa ttagacattt 720  
 gcattgctta gaacacatct aggaaccagg gactgactgc tggaaagtac tgtgattctt 780  
 ttcttccaac agctcattta tttaggcca actacagccc actcattcat ggcatggacg 840  
 gacaaacaca attagtctaa agtactaagg tggagagaaa tgttaaggat ttatctgtca 900  
 ttagacaatg caaacacagt cacaatgtaa aaggttgta tcagctctaa ccctatttt 960  
 ctaaaataca gcaatgtgag aaacatggac gaaagcagtt cgagttgcaa actttggtct 1020  
  
 tccccgcac ctgaggggaa gcacctatct gagactagca ctaataccta cgacggcaca 1080  
 tgcttagtaa acaagcactc caactagcaa agaattgatt cacaactgat ttccaactct 1140  
 accggaanaac ttctcaatag gggccactgc ctacaattct ttggtgtttt gtggccaaat 1200  
 gtgttacttg tgcaccaaag agttttttta aaagagattt gcctacgggt gagcactgaa 1260  
 gtatacatg tgccaatgta attattgtct tggagacctt ctagaacttg ctaaatcata 1320  
 tagcaagaag agaattgatt caggcccagt aaatctggtg agttaattta catctgtgat 1380  
 actgccgttt ttccattaa atgtggttat ggcaaagcat tcttaggta ataaataaat 1440  
  
 aaataaactt tggacaatgc ctttacttgt gccctatata cagaactatt ccatagaatt 1500  
 ttccaggatt tcaagatact acacaaagaa aaaaactgta aagcaatttg gtcctttcca 1560  
 aatttcagca gctgagactg aattaagtaa atcagatggg agtggggaga agggcagaaa 1620  
 gcagcctccc cttaccctat cagcacaacc aaacccatg aaatccatt aaaagttggt 1680  
 gagtctgaga aaagcgatct ccacggtttc tctacctta ggatgtcatt taaatttcca 1740  
 ttttgcate cttccctgtc ttgacatttt aaaaatccac cctcccca cccaccctcc 1800

agttatgctc caaattgtaa ctcaaaaatt ttcattgttg tgcagcaaag cacatctcaa 1860

cagccacaaa atgtgcaaaa cgtacaacca ttcacacacg tccatacatg tgaagacagc 1920

tgtaggcatt gtttcagcat gcaggcatcg aacaataaat agctaaatct ataacaaact 1980

tcttaacagc caagggaaag tttaaagtca cttataaata gaaaagaaca tctaccaaact 2040

ggctaccaac aaagtcccca ttgttcagaa acgttccttg ggagcagacc ccttagagat 2100

taacggagag tccagtggtc ttcattcttc agccagccca gccagcttcc ctctcggacc 2160

cacagttggg ctttgaatct ccagcagcag ctggtgtgga ggcttcaagc tctgtcctca 2220

gagagagggtg acaaccattt caaattctac acataaatgg tggggcccat ggaaatcaaa 2280

tgctgaatat ggiacagcaa gggaaaaggt ccagcttttc tctcccttg aggggctgat 2340

taacattgac attaatccac aattacaaga caaggactag atcacaggtt tgttcattca 2400

tatttaaacc atgtgctact tgcacaaaaa atcccacccc cctccctcgc ccttttctt 2460

catgtccagt tagagcattt acaaggtgca gcagatttta ttcgagtctt gcaacttctt 2520

ttcctttttt tctcttcatt agacttggcc tctccgaagt agaaatctca tattatctca 2580

tcgagtgatg gagtgagctg aaatagaagg aaaaggaaaa aaaacaaaac aaaaaagcat 2640

gaaggatttg tgtgatgcca tagtttttaa atttttctta ttagccacaa aatttttttt 2700

taaattaaac ttggtatgga gctggacaat attgcttcca aaggctttac atgttcagta 2760

ggaactgtgc aaagatatit aaagiacttg ccttaaatgc acacacgtgt gcacgtacac 2820

atccatgcag atggctggcc tgacaaaaac agtgggtgtc aaagaaggac cttcacttct 2880

ttcctaagca tacacacttt caaatccaaa cctatatgtc tagatgctat taggagttgc 2940

catcttctgc ttccaacatt cataaaattt ctttctgttg ttaaacagag cgactgtaaa 3000

gtagtacta aggggtgaaa agaagggaga ttctgtgca aacctcctt ggcccatgta 3060

ccatgaaaga ttccaaatta actttacat ctaggaggca gacatactaa tctcttatt 3120

taaatgcatc tctgttatcc attatggcag aaatcagtct cgcttctttt cacatgacaa 3180

tgtatcagcg ctcaacagcc caagtttga gtttattctc aaagttcgtc agtccacacg 3240

taggtgccag cagctacggc atgccagtgc tacagaatct acgtacatca agtgtgaata 3300

tcaattcaaa gtgccgtaac cacaagcct gcacatttca tagagcttgc atttctcac 3360

actgcttact ctccccattt atttatttct catctcatct ggggaaattg tgcagagggc 3420

ttttgtatcc ctattgctgt aagtctaagt acagacaaag ggaattctgg aggagccact 3480

catgaccttg cactgaattc tttgcttttg tgtgttcaga agcctgattc atttcatgag 3540

ttgtttcttt tggctgtttc ctaacagtga ttcaagcttt caaggcatgc cttagactac 3600  
 ggtgtcattg cccacctcc acctccttgi aacctatatg tcaacattag gccaaaagaa 3660  
 tgtatcttat aataatataa aatttcaaga caatgcata tcaaacagga aaaaaggaat 3720  
 acacacaccc tcccccaaa aaattgcata ttcaaacagg aacgataata aaaaaaaaaa 3780  
 ggacacacaa caacaacaac aacaacaaaa tctagagaag aaacaaagca aatcaaagcc 3840  
 taagttaggt tgaggccaca cggcaccatg aaaacagagg ataatcaaag taatttcctt 3900  
 tctgcccttc ccaccactg gcagagcagc aggaggcaga taaaacctcc taggtggatg 3960  
  
 agctttaaga cctagggaag ctttctgtta aacactctat taattccgtt agcacctaca 4020  
 tttggagggc agaggaattt gcagtttggg actgagaccc acctaccag cactttaagg 4080  
 cactccaacc cctctttaa tgttttagca ctatcttgtag tagtaactt tagaaatctt 4140  
 aaccaacatt ctccctgtcg gaaattcaaa gagtggcttt gatcaggcgc ttacgtgcc 4200  
 ctttaaaagc agcaacttg gccctgtcaa atttagtttt catgtgcttg actctctcac 4260  
 tggtagcgcc aagggtgaag aggatgttat ttcacatata acttaacact ttacttgctc 4320  
 tgtttccag cgaccggaag ggtatgattc agttcaaaca ccagggttag ggtgaagtca 4380  
  
 agtgtttgcc aacatgttca ctctgggctg aaaaaggagg aaccaaagt gaagtctaaa 4440  
 gataacaagc agataatagt caaagaaacc tcattttcct accacacaga aagctaattc 4500  
 cactgccatt atctcacagt aagttactac acgtcaagca ctgggctagg tattttcgcc 4560  
 tcttttaact cccctatcaa ttgaccaag tctgagttgg gacagatcac aggagattaa 4620  
 agatcaaacc actcatttga cagagaagca acctaaaact caggaaggtc tagaacttaa 4680  
 aactagggcc agaatacaca tgtggcttct ctccctcttc tgcctcaatt tccttacctt 4740  
 gttccaagga ttccagccag cctgcccatt gtcatttttt atgtaccacc acctggttag 4800  
  
 caatttttat ggtctttctg tgcaaatata gtcagttctg gactaacacc caactaagtg 4860  
 tgctgttaat tgatgcttc gcctaggagg ttctttaaac ctgctttaga ggtgagtcac 4920  
 gcattcatat ctcaaatgaa ataaccactt tcagagcatt tgtttattca agattactga 4980  
 gatgccagca aggtacaaa aaaccagttt ggtgtgagac actattagcc cagttgctcc 5040  
 ccagaggagg tgctgattg ttctgtctgc ttgaaggag ttctattcca ggaaagcatg 5100  
 acataactca gaactctgat aactgtacga aggtggaag agataactga agaagtaaaa 5160  
 aaaatagcaa gctggaggcc aagtgcggtg gtcacgcct gtaatccag cactttggga 5220  
  
 ggctgagatg ggtggatcac ttgaggtcag gagttcaaga ccagctttac caacatggtg 5280  
 aaaccccatc tctactaaa atacaaaaaa gccgcacgtg gtggcgggca ctgtaatccc 5340  
 agctacttgg aaggctgagg caggagaatc ccttgaaccc aggaggcgga ggttcagcgc 5400

agctgagata gcaccattgc accccagcct gggaaataga ataagactct gtctcaaaaa 5460  
 gaaaataaaa tggcaagctg aaatgtgaga gtgaggccaa gtttaatgat gtttctaaat 5520  
 gagctgtaag ggacaggga agaaaagacc aatgagatga aaccctctg tgcttagctt 5580  
 gccactaggc ctagatctcc ttttctccct ttgaagtcct cttcaaaggt gtgaaacata 5640  
  
 ctagggaaaa cagagccaaa agttcccaag taaatgagtt tgttttcatt gtagttcctc 5700  
 caaagcagtt actttcttct cttattatta gtaataagcc catgaatcac caaaacaagt 5760  
 caacacatcc tgtgtgcgt gggctatact tacacatgcc taagcgattc ctggggccaa 5820  
 tcctaagaat gcttagcagc aaagcagccg tgagctttgc gaactctgaa ctgtgtaggc 5880  
 ctattaatta tttagccaa gagtattctt tactcttaaa tacacagaca actattatgt 5940  
 actcagatat atgactcaga aacacaactt ttgttagcct tgacaatagg gtcggcctga 6000  
 ctgattaact ctgaaaggcc atagtttggg aagtttaggt ggctctgtgt tatctgcaca 6060  
  
 aatttctgct atgtacatgc aaccttttac aaagacagat atagatttat ctttaaaggt 6120  
 aataaacgcc ttaaaggggg ctacttttta agtaaaacat ttaaataag ctaataattt 6180  
 tggagagaat aaactagaa tgaattgag caatacatit ttaaaccta atcattctac 6240  
 aaagggtttg aggaagcaaa atttgaatat aaatgaagta tcacctggga tgacattggt 6300  
 gtcattgatg tgaagctcaa gtttattcgg tggcagtga acacgatgct ccagtgtga 6360  
 tgccctagag ccagaccccc tgcatgtact tcctaaccag ctcacactct tactaagctc 6420  
 tgctaactcg ggcagcttag cctccgtaat gcatgaaggt ttttcatct ataaaatgaa 6480  
  
 gctagtaata attccccacg gggttgttgt gaggatagaa tgagatgatc cgtgggaaac 6540  
 acgtggcacc gctgcaagca cacagttagg gctcaataaa cattagctgg catacttaac 6600  
 agaggtcagg ggttctcaac ttggttgttc attggaatca tccggaaact ttttaaaaat 6660  
 actgatgctt ggacccccacc ccagacaaa tgaactaag tctctgggat gggcagtttt 6720  
 taaaaagct cttcagggcc ggggtcgggtg gcttatgcct gtaatccag cactttgtga 6780  
 ggccgaggcg ggcgatcat gaggtcagga gatcaagacc atctggcca acatggtgaa 6840  
 acccgtctc tactaaaaat acaaaaaatt agctaggcct ggtggtgggc gcctgtatcc 6900  
  
 cagctattcg ggaggctgag gcaggagaat ggtgtgaacc caggaggcgg agcttgagct 6960  
 gagccaagat catgccactg cactctagcc tgggtgacag agcgagactc tgtctcaaat 7020  
 aataataata ataataaaat aaataaaaag ctcttcagga gattctgagg ctgagtaaaa 7080  
 gctgagaacc actggctaata gccatggtgg gggtgaggc tgtggtcaac acaagtggat 7140  
 aagttctagg ggcaccagct ctcttatttt tacagctttg gtagtacttc tgcagtacag 7200  
 tctctgtgga tcagatctca ccccatgtac tgaacttaca caatagccta attatatgca 7260

tacttacatc tatagctaaa cttcttacct catgctcact ctccttagaa tgtactgcat 7320

ttaagaaggc agatgtttcc aggtgctgac aaatgcagta ggaatcagcg agtacgggac 7380

agtggatgatg ctgttccaca cgtctaattgt tggatcgtag cagtccaaag tcttgcatcg 7440

ctgaatgcc aaglatcctc caaccacgta gagtttgttt ccagaggcca cagcatggca 7500

gctcatgcgc tttgctgtca catctccac cttgggtccac tggtaagtct cactgttgaa 7560

tttataagca gagcaggcag agaattctgt atcacccccc ataataaaaa tctgggtccc 7620

cagcacagct gctgctgtgt aacgccaggg ctggggacag gtggccgta cagtccacct 7680

gttttcacac tgatcgtaac actgaacttt ggggagcttg tcatgactga cactggtacc 7740

tccgaaagca aataacttaa gtttggcact cactactgcg gcgttgctaa cgccttctcg 7800

gagtggggcc accatgttcc atttgttgat tgtgggtca taatgttcta cctgctttag 7860

agagactgag ggggaggccg ggaggcagcc agttgaggcc gtgtgcccc caaccacata 7920

caggcagtgc ttcagttcag cagagccatg gccaaacctg gccaccagca tgggggcagc 7980

cttggaccac tctcgtgca gggatcata aaccagaca tcttttgaga cccattttc 8040

agacccccg cccccagtaa tgtacacttt gcagccaatc gcacatgcac taaactctt 8100

tcttgggctg ggaatgtcag ccttgggaat gatttctttg gccttctggt ctaccagata 8160

caacttgta cacatgaaag tctgtcctcc cagaaggaag agggcatggc cagttttccg 8220

aggtcgggca cagaggctgg ttaccacacc gtcattctgc aggattttca gtttgacct 8280

gatggcctct tccacaattt ccttactctt tctctgcttg gtgatgagtt cctccatggc 8340

cacattctcc atgagataga tggctggcag aagtgccagc cttactgtct gcaacagttc 8400

tgggaggtag caatagcgt tcttcaggtc atagctgac cagttaattg cagactcgta 8460

cacaagcctt tcatcctctg tctccagtc ttcactggac aagagttgca ctaccatgtc 8520

ctggggcagc tggaggaaat cttcattctt cctgatgggt tggaagttgc tgagacacat 8580

tctccaagat agttcgtaca gcttgggtgca ctggtgtgca tcagacagca gcagcatgcc 8640

caggcagttg gtgggatgca ggttcttttc caggaaactct gcacatgcat cccggatgtc 8700

ttgaaactcc agcatgtcac cagcttccag gagcgattct gcattttctt cattgatgat 8760

gacccgggag gagiagcat agtcaagcag cagctccaag acttctgggt ggatggaatt 8820

gtcaaagtgt acctcactgt cctggctctc tttcaggcca ccactgaaca tggcctcaaa 8880

gtagcgactg catgcagcca gcactgcccgt gtggcaaggg aaggtcctat ttccggcatg 8940

gagaaggacg tcagtgaaga gacgtgctg gcgtaaaaga ttcaggtgag tgaggacgct 9000

gtcagcgtag gaggacttgt gaaacagata gatgttaatg gagccgctgc tggccctgga 9060  
cttgcggttc tcatgcacac tgactgacat ttgtttcca ctccataaaa taataataat 9120  
aataaattga aaatgatgct cctgatgttc agaacagcag aacgaaagca acaatggttt 9180  
tgcacaaaaa acagaacact ttgttgttga ccatgccacc tactattcta gaatagtgtgta 9240  
tggccattcc aggacaaagc cagagacaac tacccggaag gaaggatatt cactgctaata 9300  
actgttgagc tatttgaact ctgcaactgtt taaaaaaaaa aaaaaaatca ctgcataaaa 9360  
agcaggttca tcttggaaaa cctgattgcc aactttcagg ccatcgaagt cttttagaat 9420

ataagtcagc aaaagccaag aggagtgagt ctcatccca cagctccctg tcctagtcca 9480  
gtcattcac tgcgggccac ttaaaatgcc aggtctcctg ctcttataat gccaggatgg 9540  
gcactggctt tcatgcccc tgaacataa agccatgcgt aaaacaaaca cctaataatt 9600  
aattccatta agaattcctt tggtaagatc caatctccca gcacatacag taaatgggaa 9660  
atgtaaggcc aacttctgca atgacagac ctttatttaa atgttacaga taatgtattt 9720  
cattttatat atacttttga gaccaagtct cgctctgtca ccctggcttg agtgcagtgg 9780  
tgcaatcaca gttcactgca gcctcgaact cctggactta agtgatcctc ctgccttggc 9840

cttccgagta gcggcacta aagggtgtgca ccaccaaac cagataattt ttgtatttt 9900  
ttgtagagac cgggtctcaa actcctggcc tcacctgac ctccacctc ggcatcccaa 9960  
cttaaagatt aatttctaac cagacagctc taccactgaa gagtcctaaa agcaccccaa 10020  
tttcaacatt aaccatatat tgatcagcaa gccttttagtc aaagcacaga ataaattctg 10080  
gccataatca ccaactacct gtcttgctcg ggacagcttc caatgtgagg atttggcaca 10140  
taaaaagaag aatattttga gtagcatact tatgactgct gttttctgtt cttcccgctt 10200  
tatatcaatt ctggaaaaac cagctgcaag aacaaaagat ccatccgtct ttgtattaaa 10260

tagtgcatca ctaggactgt tcctgtatac ctgcaaatgc tgacacctgc atagaaggag 10320  
ttcaaatgc aaacactgct ttatttaaata caaaaaatac gtgtgtgtgt gtgtgtgtgt 10380  
gtgtgtgtgt gtgtgtgtat ttgcccagct gttgttaatt tagggccacc ccagaattta 10440  
tttgcctgact acagtgttt ccttggtatc tacattgaaa ttatagtaga atctaagct 10500  
atcttttgggt ttcttctcagt aagaaaacag tagggtagag acataggaaa tgcttgcac 10560  
ccatcttcaa aaactgaatc acatgccttc atccttttct ttacacat ccctctgtta 10620  
cttcaaagga atgaagtcct caagaacctg cctgtccaag gattcctaag gaagctgttt 10680

atcccgtgt ttatccccag agggtaaact gtgtggctgg ttgcagtatc tgttccagac 10740  
acataacagc cagtcccaa agcgcagctg aaactctgtt tcctttaacc attcagacat 10800  
ttttaaatgc atattctaag aattattaat aaatgcaaat gaatgatttg ccacagattc 10860

atgggctaaa atactaacct gcacctcccc aaccagatgt gagccccact ataagactgc 10920  
acagaaaacc acaaaggcag gggcatgaca catatacttc ataccattag gtgatgcaac 10980  
tagttttctt tcctttttgg aatataattt tttatgatga gtaaacaatgg ctgagtggaa 11040  
gaaaggaagc aacaaagtcc tagagctcca gtgttaggaa gactttacaa agcacccagt 11100

aatttcaca gtgacttgag atataaaaaa tggtagaggag ccagcttcac tcccacctca 11160  
agctaagcat ctactgtcta ctccattcta accaatgccc agtgttttgg agaatgacca 11220  
tatgaaccta tgggaatgca tcaggtttcc aaagggttaa aacattcatt agcattctca 11280  
atgtccacc actgtagtgt ctattttaat tagtacattc aatctggagt atctggagga 11340  
agactttaa cctaaacctc aatagactgt ctacttactc ttgtgaatct gccgcctctc 11400  
tcagagcaaa tgctgccctg agtgaaggaa gaatgaggct ccctgaaact aggtgcacag 11460  
gcaccaaatt gcttacacat tgagctggaa tcatgctagg ccagaacac atttccttga 11520

acattaaatt caggatggtg caaaacaaca ttcacaacca gacttacacc taagaaaaca 11580  
atttgcttag aagaccttag gatataggat ctacatctct ccgcacctg tgtttatgct 11640  
cctgtatgtt ccaggttggc ccaacaagcc agaaggaaga gcctagcctg tcatcttggg 11700  
taccaccag atggaaaagc acgtcacagt caaaatcaca atcaacattc ttgcaacaat 11760  
gtttgattaa aataaaaagt aaacttggaa acccaagagg aaatacttgc tttctggttt 11820  
aaaactgtgc aaacctcaaa atatcagcag aaacctgta tacaagtcac tgaacacacc 11880  
ttcaacataa aatgaatcat ctttcgagca tttttaagcc ccagagaaa tcacatttgc 11940

ataccaagta agtggccaag aaaatgcaca catgtactta acctacgtct gcaaagaaga 12000  
cagagaaagg gcigctatta ctgtgaacat caaaagggtc tcagttacag taacttcagt 12060  
tcacttcag ctctaactc aggtctctctg cctccaatgc ttagcgctcc gcaccttct 12120  
ccaggttttg aacctgatct caatccaatc aaaagagaaa ctaagcagat ttttttctgg 12180  
gcatttcat taccggtaac aatagaacat tataaagatc ttgttaacaa aagtagcttc 12240  
ttgccagagt ctttttatta acacttgcaa cgctatttaa caagctggcc atgcctgtgt 12300  
gacaccaaac cgcatgtgga taaattcagt gtttcacttc caggcccacc aattcctatc 12360

ctttgtaact aataatgta acacgacaga tcaagaaact agtttttcag aaagcagttt 12420  
tcattcattc tctatagaca tttccgccgc agtgaacatg cccgcactca ggggtgtctgt 12480  
gcatggcccc aactttctc caagccgggg aggatgcaac gtgggccaac catcccgcc 12540  
gctcgccct ggaggctgag gggagcgacg cagcgcgaca ttcacccca gaaagcgct 12600  
gtttccgca gaggagagag gctgactgta tccttagctc ggctcctcgc ttcccagcg 12660  
gctcgccca gacattgcac cgcggagggg aggccggtcg acctctccg cgatgccgg 12720

cttctgcctg ctgtgggagg gcagcggcgg gcaccgtgat ctccgcaccg agaagagctc 12780

cccttgccct ctagtgaag ctcccagtg ctcggagcac gtcaccct cgcgaacaca 12840

ccccgcagc cgaagcagcc cctgaagccc gcagcgcctg caacaggtcc ggggcagtgg 12900

gggaaactta cagcagtggc gactggccgc aacgcacaac tgagtcttag cgacggtcac 12960

gggcaaggag gcgacgaacc ggtcgtctca gcccaggga gcggtggcga atgccccgga 13020

gaaaggagg ccagccgggg agaggactgc gccccgaacg atggctcgcg gaccggctac 13080

cgatggcgtt cgctccgtc tgtcgtcccc acgccgcgga cccggtgtcc aggaccgca 13140

gagcgtctcc ggagcgcgtc acggtagggc agagcaagcc tgccactgca ggcgccgcgg 13200

aaggaggcgg gctgtgcgt cgggggaggg agctagaaag cgccttgtgt gccggcggcc 13260

gccagcgtc tggaccgggt ctccgcagcg ccaccgccgc accgcctcct ctccggtgc 13320

cagagcagtc tgcgccccgc cgccgtgcgc ccgctataa gtggcgcggc ggggagggga 13380

gggggcgcgt atgcaaagag accgacaccg ggggaggag gaagcgatt agcgcgcct 13440

gtggtgtagg aggaggaaga ggagagaag gagtggagg aggagaggag ctagagaaga 13500

gcgtgtcggg ggagttaatc ggagaggaa gcgggagagg ggggctcgg ggagtgcaga 13560

gagacaaagc ggacgcactg tctcagccgc tggcagctgc aaccccgga accgagaata 13620

aaataagttt tcccggttc gagtgtctgc gcctctttgg gccagcctgg ttaatggaca 13680

gccccggtc tgagggaccc accttagggg agcgcagccc ggggctgtgc gcttggtgat 13740

gccagagccc gcgagatgct ctaaaaagg ctgcaagggg cgagctgggt atccgcagga 13800

caggccctgg gcacgatag acagcgctt gggtaggaca cccagagtgg ggagagatag 13860

tggcaatgga cgggcaaaag tctggacagt ttagggacac tcgggttag caagccagga 13920

cgtttaagtt tcttctggc agagagccaa agagactcca gcccaggca tttcctatgt 13980

gtctccctc cccactccc agtgggtgcg gcacccccgg ctggactctg ccctaagcca 14040

g 14041

<210> 5

<211> 2880

<212> DNA

<213> Homo sapiens

<400> 5

ctaaggaaag cttttattta aattgtgcaa tcaatcagta tttagacagc agtttcataa 60

acattttggc atttaaactt ttattcattt ttggcatgac ctatagggtg gtatataaac 120

taccagtggt ggtgggggca agtactaagc aatatttact atgatactag aaaaaaaaaa 180

acaaatctac attattaac aaatatgttt taagaagaca ttaaaaagat acattcaaaa 240  
 tcaaggcaaa catttgcttt cttcgtgcaa tggcattcac agaactgac ccctgagtca 300  
  
 agtataaaat taatatagct cagctctaca gtccattagc aagtctacaa atgctgccct 360  
 tacaagaaaa tggatatacgg agtgaaagga tccagaacac ccataataca aaataattta 420  
 actggctccc acactttcat ttaattcaca tctttgaaga aaatagaaaa aaaaaaatca 480  
 tacacacaga cataaaattt tgtccaacaa cagcaacaag cagacacatt ttcttaacat 540  
 atgtcctcta ctctactgat aggctaaggc aatgtgtgtg tattcaggct ttgcaatttc 600  
 ctattaacag gctcaagttg ctaatcatca gtaataattt tcatttgcaa acaaaataga 660  
 tatccagaat gtgataacag gaaacagaat atttcaaggt caagatttgt aatatttttg 720  
  
 tttttaaaga cagttccata gaaaaataa acttctgtaa cataaatttt ttttcagttg 780  
 taagtcaaga ctatgtctat ataccatgaa ctacttaca gctatgaact taaggaaatc 840  
 tgcaaagctg ttcagaatag tataatggata agaaaaagg gaaaatattt cctctaaaaa 900  
 aagaagccaa tcatataatt cttccaaca aacctacat atgaactcga ataaaccaga 960  
 atcaggtgcc agtatgtgtt gccctatata aaatgcattc atttgaata gtttgcagaa 1020  
 atattaaaat aciccataat cttgaaaaag atcttttaga gaaaaatcct aaatatgtac 1080  
 ttttctctc acccatctat cctgctggac agatctgatt ctctctttaa ctctttaaaa 1140  
  
 gccaatatat atatatatat atatatatat atatatatat atatatatat atatagact 1200  
 taaattggag taagatgact tcaaatntag tactttgaaa gtacagtcaa ttccatttt 1260  
 ctcttatgat ttatccacc taacatatga gtgtttccat ttcagctata tcttttacca 1320  
 accactttct tctattgggt ttgtgtatgc gtacgggaga tgcaaacatt tttcatttca 1380  
 acaaaggcaa aatataattg caaaggctga cttgaaaaga aagagtctgt aaaatctttc 1440  
 acagctcat acaaatgagt ttcagattat gattatttac acttgaattt tctcttaagt 1500  
 tttcaaagta ctattgtttc attttgcaca aaaaaattat cctcatttca tggatggaga 1560  
  
 aggcacagaa acagtttaag aatttttgta ccaaacgatt ctcaaaattg tcaagattag 1620  
 aacttaggtg ctcaaagcc taacttatac ttgttctgtt ttatgactct cgtttaactt 1680  
 tgctgtctcc tacattaatg caaataataa attagtttat attcataaaa aatcatgaac 1740  
 tcttcagacc taacaagaaa ggattactgt ttacacacct gactttttca agtcaatgaa 1800  
 ttctgtttg gaatatggga gctacagaaa attacaaaag ataaaatgca attctgaaga 1860  
 cattgtcgaa taaggaaatg cttgactaga aaaggactct agaaaccatg cctaccttat 1920

ttgtaatgta acictaagta caaacagcct tcagacacaa ttttagctga gataaatgga 1980

aggtttttga ggagagaaat taggagatga taagggatga gttacagccg ccttaatccc 2040

tcctgtgaat aagtggattt aaataaggta gtcttctctt tttcgattgg ttattactct 2100

glagaaaggt tgttctgaca caacctggct tttgtggata caaggaaaaa acagttgtat 2160

ctggtcacac tatggaagc actatgaccc tgggtgatta aatacctttt tttttttttt 2220

ttttttttaa gctgagacaa tgtatcatag tcctatacac ttctgagtaa ggattaacta 2280

actagggttt gtatcttgcc taaaccactc actagctgtg acttttggca agagatcagg 2340

aagctgttcc taatccctaa aatgcggata atacttgctt tacagaatgt agcagcagtt 2400

tgcagagatg aacctatgctc ttggcacact gtagatgctc aacaaatggc atcatattac 2460

ttcctagagt cgggagaagt tgtaaaatga ccagctttct tatgcttact cggagtatta 2520

ttctggcctt tctcataatg gagacagctt tatcgattta gttgaagaaa tgctgaaaat 2580

tgggttgga ttagacatta tgttttaag ttcaaaggagg gccagacttg cgatgatcca 2640

gaaattagaa gaaactagag ctttgagaac caggaaaagg ccgattggaa ccaaaaaaga 2700

atgacaagaa agatcaaatt tcctaggaaa tgtatataca tgctgatggc ataaggagag 2760

gctcttgctg agaaggatgg ggaatgtgag ggtaataaaa actgaaaagc attcagtggc 2820

ttggtgaagc tgaagagagg aaccagattt aaaggcagaa agttgtgaat gttgtgaata 2880

<210> 6

<211> 430869

<212> DNA

<213> Homo sapiens

<400> 6

catactcttt attatgttaa acatgttaaa gtgaacactc aaaacagatg gagaaagtgg 60

catacagagc tgttcattaa ttggctcaaa atctcagaac tattaattgg tggtagaat 120

taatatgaat taaagtttat ctgacttcaa aacaagttct cttctttttg taagctaaac 180

catgtactag ttacacatga caatcttggt tggtagatga aagctggata ttcattgatg 240

ccaagaaatt taaagggcct gattctactc atttggttaa ttttattga gcacctactg 300

tgtgttgggc actattaaat gtaacatggg tataaaatta atctatctca ataggatagc 360

caagaaatat taaccacaaa gtgcacttgt ggaaaattag ccagtcattc tgctggatat 420

tttttttagta tggcatttg gataccgaaa accagttgcc taaagtcttg atcctgcttt 480

tggcacagaa gatattgagc tatctattct catagttatg accagcagat tcagttgctt 540

catgatacca ctccaacatt gttgtgcaaa gtcagccaaa ataatgcctg atgttctggg 600

gtggcaaaaa ggcatgtgct taatctatit taaatatgta tcaaattatt tacatatgag 660  
attcgtttgt ttgtttcctt ttagaacag ggtctcgtc tgtcatccag cctggaatgc 720

agtggcacia tcatggtttg ctgcagcctt gaactcctga gctcaagcaa tctccccacc 780  
tcagccttct gatagctgat actataggca catgccacca ctcccagata attttttttt 840  
tttttttttt tttttttttt tttttttttt tagagatgag gtctcagtat gttgcccagg 900  
ctggtcttga actcctggcc tcaacaatt ctcccgcctc agccttccaa aatgctgata 960  
ttacaggcgt gagccacagc acctggcctt atatatgagt tttaaagggg aagatttgag 1020  
acaatactta gtgatattta ggattaaatt ttgttctctc aagagcacat ttcctcacac 1080  
tgttcttga agagtactc tcagcagagg gttacatcct ggaatcaatt tcacttttac 1140

attagttagt tggcctagag atggttattc tatggaatca atgaattatg aaaaatcaat 1200  
aaagcagcaa aaattgtaag acctaaatta tgtttgataa ttgataatt attttcaatt 1260  
atgttggaaa gcatataaca gtaatcaata gtagagctgg tatggcttct gcctgccttc 1320  
ttacatatg aaggtatggc ttctgcctgc ctcttttaca tacgaagggt gggaactaat 1380  
actgcttga tacttattag gcaccaagct agtatgagta acaggcaatg tgctagatgt 1440  
ctaacaatt atttcgtgta agaattagca ttctattttc aacaataag aaactctaga 1500  
ctgagaactt tagcaaaggg taaaaatgca gcttctcctc taactatcca gtttaaaatc 1560

ctgactgtga gcccttgggc aagtctttta taatattagc ccttgtttct ttagttgtag 1620  
aatgagggca ataactact ttttattagt ggaaaggta aataagataa tctatgtaag 1680  
ctctaagcat ggtataaggt tatagaaaac tctcaaagtt tttatittta atataattat 1740  
taccattatt ataattatca ttattattga gaagtttagac aacatttaag acctatagtt 1800  
agcagtttta gagtatttat caaaaagtt ggcttagctc ctaaacaca gtaccatttg 1860  
aaagcactat gatactcta taaaatccac aaagaacca cagagttcag aattacagga 1920  
taagaagata tttttcctta gttttcattt gtggtagaga cagtgtcca tgaatatcca 1980

tgtgccccctc tccactttcc acctcccttg cagttgcagt tgggtgcatg tgactatata 2040  
cagaaatgcc agctgtcacc taaacagaga gggcttcaaa aagcgatgtg ctcaacta 2100  
aaactagaga agcaagagca aacaaatcca aaaactagca gaaaacaaga aataaccaag 2160  
atcagagcag aatagaaaaa catagagaca caaaaaaaaa ccttcaaaaa tcaatgaatc 2220  
caggagatgg tttttgaaa actaaaatag attgactgct agctagacta ataaagaaga 2280  
aaagagaaaa gaatcaata gacacaataa aaaagtata aaggggatat caccactgat 2340

cccacagaaa tacaaactac catcagagaa tattataaac acctctagac aaatatacta 2400  
  
 gaaaatctag aagaaatgga taaattcctg gacacatttc caagactaaa ccaggaagaa 2460  
 gtcaaatcct tgaatagacc aataccaagt tctgaaagtg aggagtaat aaatagccta 2520  
 ccaacaaaa aaaagcccag gaccagacag attcacagct gaactctacc agaggtaaca 2580  
 agaggatctg gtatcattcc ttctgaaact attccaaaca attgaaaagg aggaacttcc 2640  
 ctgtaactca ttttatgagg ccagcatcat cctgatacca aaatctggca gagacatagc 2700  
 aaaaaagaa aacttaaggc caatattcct gatgaacatc gattcaaaga tactcaataa 2760  
 agtactgtca aacctaatcc agcaacatat caaaaagctt atcctacaca atcgagtcgg 2820  
  
 ctcatccct gggatgcaag ggtggttcaa catatgcaat caataaatgt aatccatcac 2880  
 ataaacagaa ccaatgacaa aaaccacatg attatctcaa tagatgcaga aaaggccttt 2940  
 gataaaattc aacatccctt catgttaaaa actctcaata aactaggtat ggacataaca 3000  
 tatctcaaaa taataagagc tgtttatgag aaaccacaa ccaatatccc acaaccaca 3060  
 actgaatggg caaaagctgg aagcattccc ctgaaaact ggcacaagac aaggatgcc 3120  
 tctatcacca ctctattaa acatagcaat ggaatttctg accagggcaa tcaggcaaga 3180  
 gaaagaaata aagggtattc aaataggaaa agaggaaggc aaattgtctc tgtttgcaga 3240  
  
 tgacatgac ctatatctag aaaatcccat tgtctcagcc aaaaagctta ttaagctgat 3300  
 aagcaacttc agcaaagtct catgataaaa gatcaatgtg caaaagttac aagcattctg 3360  
 agaggacagc caagatggcc taataggaac agctccagtc tacagctccc agtctgagcg 3420  
 acacagaaga cgggtgatit ctgcatttcc atctgaggta ccgggttcat ctactaggg 3480  
 agtgccagac agtgggtgca ggacagtggg tgcaacgcac cgtgcaccag ccgaagcagg 3540  
 gtgaggcatt gcctcactcg ggaagtgcaa gggtcaggga gttcccttcc ctagtcaaag 3600  
 aaaggggtga cagacagcac ctggaaaatc gggtcactcc caccctaata ctgtgctttt 3660  
  
 ccaacgggct taaaaaatgg tgcaccagga gattatatcc cgcacctggc ttgaagggtc 3720  
 ctacacgcac ggagtctcgc tgattgctag cacagcagtc tgagatcaaa ctgcaagggtg 3780  
 gcagcgaggc tgggggagag gcgcccgcga ttgccaggc ttgcttaagt aaacaaagca 3840  
 gcccgaagc tccaactggg tggagccac cacagctcaa ggaggcctgc ctgcctctgt 3900  
 aggtccacc tctgggggca gggcacagac aaacaaaaag acagcagtaa cctctgcaga 3960  
 cttaaatgtc ccgtctgac agctttgaag agagcagtgg ttctcccagc acacagctgg 4020  
 agatctgaga acgggcagac tgcctcctca agtgggtccc tgaccctga cccccagca 4080

gcccaactgg gaggcacccc ccagtagggg cagactgaca cctcacacgg cgggtactc 4140  
ctctgagaca aaacttccag aggaacgatc agacagcagc attcgcggtt cacaaaaatc 4200  
cactgttccg aagccatccc tgctgctacc caggcaaaca gggctctggag tggacctcta 4260  
gcaaactcca acagacctgc agctgagggg cctgtctgtt agaaggaaaa ctaacaaaca 4320  
gaaaggacat ccacacaaa aacctatctg tacatcacca tcatcaaaga ccaaagtag 4380  
ataaaaccac aaagatgggg aaaaaacaga acagaaaaac cggaaactct aaaaagcaga 4440  
gcgactctcc tctccaaag gaacacagtt cctcaccagc aacagaacaa agctggacag 4500

agaatgactt tgacgagttg agagaagaag gctacagacg atcaaaactac tccgagctac 4560  
aggaggaaat tcaaaccaaa ggcaaagaag ttaaaacctt tgaaaaaat ttagacgaat 4620  
gtataactag aataaccaat acagagaagt gcttaaagga gtggatggag ctgaaagcca 4680  
aggctccaga actacgtgaa gaatgcagaa gcctcaggag ccgatgcgat caactggaag 4740  
aaaggatatc agcaatggaa gatgaaatga atgaaatgaa gcaagaaggg aagtttagag 4800  
aaaaagaat aaaaagaat gaacaaagcc tccaagaat atgggactac gtgaaaagac 4860  
caaatctaca tctgattggt gtacctgaaa gtgactggga gaatggaacc aagttggaaa 4920

acactctgca ggatattatc caggagaact tcccaatgt agcaaggcag gccaacattc 4980  
agattcagga aatacagaga acaccacaaa gatactctc gagaagagca actccaagac 5040  
acataattgt cagattcacc aaagttgaaa tgaaggaaaa aatgttaagg gcagccagag 5100  
agaaaggctg gggtacccac aaagggaagc ccatcagact aacagcgat ctctcggcag 5160  
aaacctaca agccagaaga gagtgggggc caatattcaa cattcttaa gaaaagaatt 5220  
tcaaccaga atttcatatc cagccaaact aagctttata agtgaaggag aaataaaata 5280  
ctttacagaa agcaaatgct gagattttgt caccaccagg cctgccctaa aagagtcct 5340

gaaggaagcg ctaaacatgg aaaggaacaa cgggtaccag ccgtgcaaa atcatgccaa 5400  
aatgtaaaga ccatcgagac taggaagaaa ctgcatcaac taacgagcaa aataaccagc 5460  
taacatcata atgacaggat caaatacaca catcacaata ttaacttta atgtaaatgg 5520  
actaaatggt ccaattaaaa gacacagact ggcaaattgg ataacagtc aagaccatc 5580  
agtgtgctgt attcaggaaa cccatctcac gtgcagaaac acacataggc tcaaaataa 5640  
aggatggagg aagatctacc aagcaaatgg aaaacaaaaa aaggcagagg ttacaatcct 5700  
agtctctgat aaaacagaga cttgttggat ttgttaaacc aacaagatc aaaagagacg 5760

aagaaggcca ttacataatg gtaaaggac caattcaaca agaagagcta actatcctaa 5820  
atatatatgc acccaatata ggagcaccca gattcataaa gcaagtcctg agtgacctac 5880  
aaagagactt agactccac acaataataa tgggagactt taacaccca ctgtcaacat 5940

tagacagatc aatgagaaag aaagttaaca aggataccca ggaattgaac tcagctctgc	6000
accaagcgga cctaatagac atctacagaa ctctccaccc caaatcaaca gaatatacat	6060
ttttttcagc gccacaccac acctattcca aaattgacca catagttaga agtaaagctc	6120
tcctcagcaa atgtaaaaga acagaaatta taacacacta tctctcagac cacagtgcaa	6180
tcaaactaga actcaggatt aagaaactca ctcaaaaccg ctcaactaca tggaaactga	6240
acaacctgct cctgaatgac tactgggcac ataacgaaat gaaggcagaa ataaagatgt	6300
tctttgaaac caacgagaac aaagacacaa cataccggaa tctctgggac tcattcgaag	6360
cagtgtgtag agggaaattt atagcactaa atgccacaa gagaaagcag gaaagatcca	6420
aaattgacac cctaacatca caattaaaag aactagaaaa gcaagagcaa acacattcaa	6480
aagctagcag aaggcaagaa ataactaaaa tcagagcaga actgaaggaa atagagacac	6540
aaaaaacctt tcaaaaaatt aatgaaccta ggagctggtt ttttgaaagg atcaacaaaa	6600
ttgatagact gctagcaaga ttaataaaga agaatacaaaa cttttggtac tggtagcaaa	6660
acagagatat agatcaatgg aacagaacag agccctcaga aataacgctg catatctaca	6720
actatctgat ctttgacaaa cctgagaaaa acaagcaatg gggaaaggat tccctattta	6780
acaaatggtg ctggggaaac tggctagcca tatgtagaaa gcggaaactg gatccctcca	6840
ttacacctta tacaaaaatt aattcaagat ggattaaaga cttaaatgtt agatctaaaa	6900
ccataaaaac ctaggagaa aacctaggca ttaccattca ggacataggc atggacaagg	6960
acttcatgcc taaaacacca aaagcaatgg caacaaaaga caaaattgac aaatgggatc	7020
taattaaact aaagagcttc tgcacagcaa aagaaactac catcagagtg aacaggcaac	7080
ctacaaaatg ggagaaaatt ttcccaacct actcatctga caaagggcta atatccagaa	7140
tctacaatga actcaaaca atttacaaga aaaaaacaac cccatcaaaa agtgggcgaa	7200
ggatatgaac agacacttct caaaagaaga catttatgca gccaaaagac acatgaaaaa	7260
atgctcatca tctctggcca tcagagaaat gcaaatcaaa accacaatga gataccatct	7320
cacaccagtt agaattggcaa tcattaaaaa gtcaggaaac aacaggtgct ggagaggatg	7380
tgcagaaata ggaacacttt tacactgttg gtgggactgt aaagtgttc agccattgtg	7440
gaagtcagtg tggcgattcc tcagggatct agaactagaa ataccatttg acccagccat	7500
cccattactg ggtatatacc caaaggacta taaatcatgg tgctataaag acacatgcac	7560
acgtatgttt atigcggcac tattcacaat agcaaagact tggaaccaac ccagatgttc	7620
aacaatgata gactggatta agaaaatgtg gcacatatac accatggaat actatgcagc	7680
cataaaaaat gatgagttca tgtcctttgt agggacatgg atgaaattgg aaatcatcat	7740
tcacagtaaa ctattgcgag gacaaaaaac caaacaccgc atgttctcac tcatgggtgg	7800

gaattgaaca atgagaacac atggacacag gaaggggaat atcacactct gcggactgtt 7860

gtggggtggg gggagtgggg agggatagca ttaggagata tacctaattgc taaatgacga 7920

gttaatgggt gcagcacacc agcatggcac gtgtatacat atgtaactaa cctgcacatt 7980

gtgcacatgt accctaaaac ttaaagtata ataataataa aattgtaaag aaacatgaaa 8040

aaaataaaaa taaaataaaa taagtaaaaa attaaaaaaa aaagttacaa gcattcctat 8100

acaccaacaa taggcaagca gagggccaaa tcatgaatga acttccattc acaattgcta 8160

caaagagaat aaaatgccta ggaatacagt taacaagaga tgtgaaggat cttttcaagg 8220

agaattacaa aaccactgtt caaagaaata agagacaaca caaacaatg gaaaagtatt 8280

ccatccttgt gaataggaag aatcaatatt gtgaaaatgg ccatactgcc caaagtaatt 8340

tatagattca atgctattcc catcaaagta tgattgacat tcttcacaga attagaaaaa 8400

aaaactagtt taaaattcat atgaaaccaa aaaagaaccc gtatagccaa tacaatccta 8460

agcaaagaga acaaaactgg aggcattcatt ctacctgact tcaaaactata ctacaaggct 8520

gcagtaatct aaacagtaga atacgagtat aaaaacagat acatagatca attgaacaga 8580

atagagggtc cagaataaag actgcacatc tacaaccatc tgatcttcag caaacctgac 8640

aaaaataagc aatgggaaaa ggattctcta tttataaat ggtgctggga gaactcacta 8700

gccatatgca gaaaactgaa cctggacccc ttccttacac cttatacaaa aattaactcg 8760

agatggatta aagacttaaa taagaaaaat gtaaaaccca aaaccttaaa aaccctagaa 8820

gaaaatctag gcaatatcat tcaggaaata ggcatgggca aagattttat gatgaaatca 8880

ccaaaagcaa ttgcaacaaa agcaaaaatt gacaagtggg atctaattaa actaaagagc 8940

tgggtgcacag caaaagaac tatcatcaaa atgaacaggc aacctacaga atgggagaaa 9000

aatttttcaa tctattcatc tgacaaaggt ctaatatcca gaatttaca ggaacttaaa 9060

caaatttaca aggaaaaaac aaccccatca aaagtggcca aaggacatga acagacactt 9120

ctcaaaagaa gacatttatg cagccaacaa acatgaaaaa aagctcgtca ctgattatta 9180

gagaaatgca aatcaaaacc acaatgagat aacatctcac accagtcaga atggcaataa 9240

ttaaaaaattc aagaaacaat agatgctggc aaggctgcag agaaataaga atgcttttac 9300

actgttgggt ggaatataaa ttacttcaac cactgtggaa gacagtgtgg taattcctca 9360

aggatctaga accggaaata ccatttgacc cagcaatccc attactgggt atatacccaa 9420

agtaatataa ataattctac tataaaggta catgcacaca tatgtttatt gcagtattat 9480

ttacaatagc aaagacatga caaacccaaa tgcccattaa taatagactg gataaagaaa 9540

atgtggcaca tatacacgct ggaatactac gcagtcgtaa agaggaatga gatcatatcc 9600  
 ttgtcagga catgcatgaa gctggaagcc atcatcctca gcaactaac ataggaatag 9660  
 aaccaaacac tgcattgtct cactcataag tgggagctga aaaatgagag cacatggacg 9720  
 caggaggggg aacaacacac actgggacct gtcagggggg tggagggaagg gattgcatca 9780  
 ggacaaatag ctaatgcatg tgggtgggtt gatagggtga ggaaatcatc atggcacata 9840  
 ttacattatg taacaaagct gcattttctg caaatgtatc ccagagctta aaattaaatt 9900  
 aaattttttt aaaaagggtg tgtgcctcct caacatttct cttccacag tgggtgttta 9960

gctcgtgcat cacaggatga ctaaactcct gagtcaccag atagaggaca acccttgctc 10020  
 acctgaattg gaatttgaat gacaggaaat aaacttttga tctgatatat cactgagatt 10080  
 tggagtctat tattactgca gtatgttctt cattctatat ttatttttgt cataaaatgt 10140  
 gccagaact accttagaca ctgagaatgc aaagctcctg acctcatgga gcttaatat 10200  
 aaattttccc ttagaggatc aaactttttc aagtattggg cctcattatc acaatgatct 10260  
 agactactaa actaatcaca ctgaatttta caccttttga tctacacatt cacaatttgt 10320  
 ctgcaataaa gaaaaaagac atacgaaatc agaaataata agtgggtatta cataatcaaa 10380

gacaggacaa attttccaga gtagtaataa taaattttat tttaaaaaa tccttctcag 10440  
 agtgggaagta agaggttaat atttcataat aaggaaagta aaaatttcat ttgggaatcg 10500  
 aaatgggtta aatgaattat ctggatttca ctaactcatc tctaaaatat gtctttatat 10560  
 ttttagaaaa gagaattaga gtttttcaaa tgctacattt aagaatctga aacactaaag 10620  
 ccatgttttc attcacacaa caaagaacgt tattctttaa ccctgtgtga tgtgatatgg 10680  
 ttttgatctg tatgtctacc ccaatctcct gtggaattgt aatccccagt gttggagggtg 10740  
 gggcctgggtg ggagatgact ggatcatggg ggtgggttct catggtttta caccattccc 10800

tttagtgctg ccatctcaat agtgagttct cgtgagatct gggtgtttta aagtgtgtga 10860  
 caccctccc cttctctctt tectctgct cctgcatgt aagacgtgcc tatttccct 10920  
 gcacattcca ccatgattac aagtttctg aggccactcc agaagccaag cagatgcttc 10980  
 catgcttctt gtacagcctg caggaccgtg aaccaattaa atctctatta ttataaatt 11040  
 acctagctc agglacatat ttaaagcaat gcaagaacag actaatacat gaagcatatc 11100  
 cttatcattc cctcatctgc acaattatga aaggatttaa ttggctacac actttaatag 11160  
 ttccacattc tccatgatct tgtttttcat ctttttgaat atgtactttt gtagctgact 11220

tgacctttat tgaatgagtt agacatatct ataaccacaa aaacattcac ttacagagaa 11280  
 gatgaacaaa agaggaattg aatgatacac tccagattag aactgggtttt agaactcaga 11340  
 accaaagtgg acattcttct taacctactg aaaaatgcag ccatgggtta tcatgcatca 11400

tactttcaaa taataactgt gcagataagc aaacattatc acttaaaata tattttcaaaa 11460  
gtctcctatc agaaggataa tagaattaaa atagtgtact taaggagtta gttgattacc 11520  
taagaacata atataaaaaa gaatggaatc caaaagtga tgcttctctt gcagagcatg 11580  
attacaaatt aaccatacac tgaaaatcac gaatagtctt ggaatatttt ttaacacaac 11640

ttctgtatTT tgaaaaatgt aactaataac tgcatttaat ctgattaata cctcaacaat 11700  
aattaagctc ataacatcaa attacacttg aattcagggt aaaccaattc aaaaagaagt 11760  
caaaatctga cctttttgtg cttcaagcaa atcaagcaca ttttcacaat gaaccaatac 11820  
agaaaagtta attatcacgg aactgaacct taggaccttc aaattttctg ttaaaactga 11880  
gcagcataac taagggtatt cattaactat aataactact taataaattt ttagaaaaaa 11940  
actgctcagc atataaaaca gaagcatagc actaaattaa cacttctgaa atttgctata 12000  
actgtgttca cctgtggata ccagaaaaa acctaattgc aagcaacatt aatcattcat 12060

ccataaaaac aggtagaccg ttatcatgac agtacagaaa tctctgtgat ttatttcaac 12120  
atacaagata tatcacattt ttataataat gtttacctta tctttgttta ataatttact 12180  
catagtcatg caaacaaaag catatacatt gtgatttttag aaaattagtg caaaattaaa 12240  
tgttacatat taaagcagat gtagaagaaa gagtccagggt tccttaaata atacataaga 12300  
aagaacactc attaaaagga gaaggtaaag taaaaatttc tctttcccca ttacatgaaa 12360  
aactaaaata gtttttttaa aaaggatata atagggtcat atctcaaac cacagccatt 12420  
tatttatgaa acaccagtgc cttcaactac atccacagtt caacctgctg atccccttaa 12480

gccatatgtg tatcagggtga agactctaaa ttgagttttt ggggggttca ggcagtcctc 12540  
ccaaaaacct aaaccatata aaccatatca ttgtttcac agatcaccta aaatggttta 12600  
cagtttacct gttacattat gcaggttttt cctttgccct gctctgcaa aaatcttttt 12660  
ctttgttgct ttacttctca tgtttggtata gaagtcttta ttccaactag gatggccatc 12720  
caatgaagta taaaattttt aattggatat ttcaaagtc ttgaaatag aaacatcata 12780  
gacccatcaa atgaaatgag caagttattt taaattcaaa ttgccttaaa atcaagagag 12840  
ctgtttttta aaacceatata aattctggaa ccaagcttaa tgatgttttt taaatgctct 12900

agatgctagt aatctcaaca tatcatttaa aatgaaatcg ctccatggac actccagaca 12960  
cttcttttta caaattccct tgtttactag ttccagggt taaaaagggc tcttaaagggt 13020  
tactgcacc cataaaacat tagcaaatta tctgaaatt tccaaagatt gaaaaacact 13080  
tgccaaaaa gtaatagtaa atcaagtga cagtaatttt gctaaaggat agatattatt 13140  
atatatacac atatagtgt tttattatcc agaggaataa aatatatttt aattaactaa 13200  
tcaagtcac taataatatt tcatatttat ttaaaagaca ttgctttaac caaaaaagg 13260

caacatgttt aatcttggct attatatctt acaacgtaaa atgccaaaaa aagtaagaat 13320

tgtttttaac tgaaggctaa ttttgacact aacaactcca cattaagact gctatTTTT 13380

tcttatctcc agtagtatTT ttggacctta aataccacca caatatTTTg gaatttTgt 13440

aaaaaccttt ttccccctac tgggtccaaaa gtatcttagg ttcctttgca tttaatcata 13500

gtttttttgt tctcagttaa atgtagttta agtgggtatta taaagataaa atgaggtaaa 13560

atattaataa atttttcaca cacagtaagt attcaatagg tagtgagggg ttttggttgg 13620

ttggatgttt ggtgactcat tattgcttat ctctgaggtc ttgaactcta aggagtaggg 13680

tttttttaat gtttataagc ctaactactc cctacatga ttgagagtaa acagcatgtt 13740

ttttaggaga gtaaccacat catgctgtat ctctagtTTa tattacacaa attacaagta 13800

cattttatag gtactcagta agatgtcttg caacaaaggc catttatgat aaacccatag 13860

ctaacatcat actgaatagg gaaaacctta aagcttttcc tctaagaagt ggaacaagac 13920

agccccctct ttccactatt attcaacata gtactggaag aactgggtcaa agcaattaga 13980

cattagaaat aagtaaaggg catccaaagt agaaaggaag aagtcaagtt gtcctgttt 14040

gcagatggca tgaactcata tatagaaaaa ctaaagact ctactaaaaa acccttagaa 14100

gtaacaaaac aaattcaata aaattgcaga atgcaaaatc aacaacaaa aatcagtaac 14160

atttctacac acgaacaaca aactagctaa aaaagaaatc aagaagtttg ctgggtgtgg 14220

tggctcatgc ttataatccc agcacttttg gaggccaagg tgggcacatc acaaggtcag 14280

gagattgaga ccatcctggc taacatgatg aaaccttgtc tctactaaaa atacaaagaa 14340

ttagccaggc atggtggTca gcacctgtag tcccagctac ttgggatact gaggcaggag 14400

aatcacttga acctgggaag tggaggtTgc agtgagccaa gatcgtacca ctgcactcca 14460

gcctgggtga caaagtgact ccatctcaaa aataaaaaata aaaaaagaaa gaaaagaaaa 14520

gaaatcaaga agtcaattcc atttacaata gtacacaaac aataaaatc ctaggaataa 14580

atttaaccaa ggaggtgaaa gacttataca aggaaaacta taaaacaccg atgaaagaaa 14640

ttaaaaagga tacaatgaa aagatatctc atgcttatgg atcagaagaa ttaatatTgt 14700

taaatgacca tactaaccaa agcaacctac acattcaatg taacgcctac caaaatacca 14760

acgacattct tcccaggaaa aaaaatccaa aaatttgtat ggaaccacaa aaggccccaa 14820

atagccaaag caatccttaa caaaaagaac aaagctaaag atattacgcc accagacttc 14880

aaaatatact acaaggctat agtaaccaa acagcatggc actggcataa aaacagacac 14940

ataggccaac agaacaaatc agaaaacca gaaattaatt tacatatcta cgccaactac 15000

cttttgacaa agctaccaag aacatacatt ggggaaggga aactctcttc aataaatgat 15060  
gctaaatggt tatccatag aagaagaatg aaactatata tctcacaata aacaaaatac 15120  
aactcaagat agatgaaata cttaaatgta agacctaaaa ctataaaact actagaagaa 15180  
gacataggga atatgctttg gaacactgtt ctgggcaaag attttatgaa aataagacct 15240  
caaaagcaga ggcaacaaaa caaaaaaaaaa tggattgtat caaactaaaa agcttttgca 15300  
cagcaaagga aacaatcagc aaagtgaaaa tacaacccaa agaatgggag aaaatatatt 15360  
caaactattg attccaaagg gaattaatat cctaaatata caaggagctc aaatatctca 15420

ataacaacaa caaatctgg attataaaat aaacaaatga tctgaacaga catgtctcaa 15480  
aagaagacac acgaatggcc aaaaaatata tgaaaagatc actcaacatc actaatcatc 15540  
agaaaactac aaatcaaac cacattgatg tgttattcta ccccggttag aatgactatt 15600  
ataaaaagga caaaaaataa taaatgttgg tgagatatgg agaaaaggaa gctcttatac 15660  
actgttgggt ggaatgtaaa ctagtacaag cactatggag aacagtatat agctttctca 15720  
aaaaactaca gatagaacta ccatatgatc cagcaatccc actactgggt gttcatcaaa 15780  
aaaaaaaaa agaagaagaa aaaagaaaac tagtgtatca aagagatatc tgcaccccca 15840

tgtttactgc actattcaca atagccaaga catggaatca acctaggtg tccaacaaca 15900  
catgactaga taaagcaaat taggtatata cactcaatgg aatactactg agccataaaa 15960  
gagaaatgaa atcctgtcat tctcagcacc atgaatggaa ctggaagaca ttatgttaag 16020  
tgaaataaga gaagaacagg aagttaaaca ccacatgttc tcattcatat atggaagcta 16080  
aaaaaagttg atctcataga aataaaaagt agaacagagg atactggagg ctgagatggg 16140  
taagggttgg gggaaaaaag agattgttaa agggatataa attagagcta gacaggaaga 16200  
ataaaatcag gtgttctaca gcactgtagg gtgactatag tttatattat aaatttcaaa 16260

tagttagaag gaggatatg aatgttctca aaacaaagaa gtgataaatg tttgagatga 16320  
tggatatgtt aatcacctg atgtgattac tatacattat atgtatcaaa acatcactat 16380  
gtacctccat aaacatgtat gattgttatg tgccaatttt ttaaagtaaa ttaaattttt 16440  
aatgggatg gatattaac taataaatta gaaaaattac caaaaactct taaaaatatg 16500  
tattgaatcg atgaatggta aaatcaataa tcaatcagtc aacgagtaga taaggagcca 16560  
aaaggagttt ttgtgtcata agaaaaagga agaccagtct tagctcagtc ccttttactt 16620  
ctagtctgc ttaaatttat gatttgatga ttaattaatt tgtaccctct gtgtcacagg 16680

ctttctcaaa atcaggaaat aatttaaaat tattcataac taaatcatcg gtaaatgttt 16740  
acagaggaca ctaagttagt aaatgttaga taaatgttag gtaaatactg atttatgatt 16800  
aggaaaataa tgaaaacata attaaatcta ttaacatata cttgtaggat atgaggatgt 16860

tgaaaaattg atttgatttt gaaaagcaag caaacacatt tctacttagg aaatggtgtt 16920  
 tttctgctgg gttttcattt tccctctttc attgaatatt ttctgtagta agataaactt 16980  
 ctgggcctgg gagttaagga ggaagatgcc ctggtcctga ccctgagata gtaccactga 17040  
 atggggaaaa caaatctgta aacttagtag taatgcacaa agaatgcggt aagtgcctga 17100  
  
 gacaccagag agtgtgtagg agttggggag ccacaacaca tattatttct ctgtgaatat 17160  
 atctcctggt taaatcctg aataatctgt tcagtacaac aaagtccaa aaagaacact 17220  
 ttcattgagtt ttttaattc atagagtga atgtaacagt tctgtacctc tgttcaattg 17280  
 agaaaagagg gctaagacta cttacctatt gctcaggaga atcaagaatt tttcacttta 17340  
 tattccctgt aggtttatat ttttgaatt attgaattaa taccagtgc aactaaagat 17400  
 tattctttta ttgtccaaca ttacaaagaa aaatttctcc cgagactata acaagaagcc 17460  
 tcttgccctc aaaagctact tggttgggtt aaaaaaata ataagagtaa cttcttcaaa 17520  
  
 aaagtcagtg aatcccatat tcttcaaata attgagttaa gaattaaggt aaaaactatt 17580  
 aaagataatg tacctatttt ctgttaacaa atactattca gcaatttcat tttccgtatt 17640  
 tctctgattt cttgcagaca atagtgaata gcttagaaat atgacataat tgaaaacccc 17700  
 atggactaag gctcaagaga ctggaattct ggacacagtt aatcattaat taattattga 17760  
 caagtttttt aagatctttg agtatgtct gtggggcaaa aagttgagag tagccttagc 17820  
 caagctgggtg ataagcttaa acaccatagc acataaagga tctgtgagat gcccaggaa 17880  
 atgagaagct tccaaggaac atagttagaa agaaaacccc aatacatcat tctgcctcta 17940  
  
 aaaataaata cactgttttc tttaaattgc tagagaagtg aatgaggcac agagttataa 18000  
 gaaaaataaa aataagtggt tttatcagag aaaattctac ataggaagta aataaaatgt 18060  
 ccagtcacaa atggaaatat ttttactatg ctatttctag attttttaa aacgttatat 18120  
 gcatgcata tttctgtgta ttaaaagctc ataataagca agaaaatcca gtcattaaga 18180  
 aagttcatgc ttacttctt tttattcctt tgctttaaaa gaactctcat taaaaataa 18240  
 cattctgtat ctacaccaa atgtagaaag ttgaactgaa aaataacgac accctacaca 18300  
 aagactttct gtattttaaa aaatggctga aatttttagg ctatgttaat tgataattgt 18360  
  
 ttttgagttt cagatttagt cttgaatat gtaaacatt aacttagatt ttagttttgg 18420  
 ctggtttttt tttattatta ttatacttta agtttttagg tacatgtgca cattgtgcag 18480  
 gttagttaca taigtatata tgtgccatgt tgggtgtctg cactcagtaa ctcgtcattt 18540  
 aacattaggt atatttcaa atgctatccc tccccctcc ccctaccca caacagtccc 18600  
 cagtgtgtga tgttccctt cctgtgtaca tgtgttctca ttgttcagtt cccatctatg 18660  
 agtgagaaca tgcagtggtt ggttttttgi ccttgcgata gtttgctgag aatgatggct 18720

tccagcttca tccatgtccc tacaaaggac atgaactcat cttttttat ggctgcatag 18780

tattccatgg tgtatatgtg ccacattttc ttaatccagt ctatcattgt tggacatttg 18840

ggttggttcc aagtctttgc tattgtgaat agtgccgcaa taaacatacg tgtgcatgtg 18900

tctttatagt ggcatgattt gtaatccttt gggtatatac ccagtaatgg gatgactggg 18960

tcaaatggta tttctagttc tagatccctg aggaatcgcc aactgactt ccacaatggc 19020

tgaactagtt tacaatccca tcaacagtgt aaaagtgttc ctatttctcc acatectctc 19080

cagcacctgt tgtttctga ctttttaatg atcgccattc taactgggtg gagacagtat 19140

ctcattgtgg ttttgatttg cttttctctg atggccagag atgatgagca ttttttcatg 19200

tgctcttttg ctgcataaat gtcttctttt gagaagtgtc tgttcattgc ctttgccac 19260

tttttgatgg ggttgttgtt attttcttg taaatttgtt tgagttcatt gtagattctg 19320

gatattagcc ctttgtcaga tgagtagatt gcaaaaattt tctccattc ttaggttgc 19380

ctgttctctc tgatggtagt ttcttttgct gtgcagaagc tcttagttt aattagatct 19440

catttgtcaa ttttgtcttt tgttgccatt gcttttggtg ttttagacat gaagtccttg 19500

cccatgccta tgtcttgaat ggtattgcct aggttttctt ctagggtttt tatggtttta 19560

tgtcggttgg taigtctttt aagtgttaat ggcaagtaaa tggctaggat aatgaaggct 19620

aaggaaatag ctacagttca tacagcttgc aagtgttagg gccagatat ttaacctaaa 19680

aattcaggcc tactcatttt acaccacagc aggatcactg ttgctactga ttacataagc 19740

aaaacatgta tgattcattt attcattctg cagatgtttg atgagagcct actgatattg 19800

tttgatatt tgtcccttc aaatctcatg ttaaaatgta atctcagtg ctgcagggtg 19860

ggcctggtag gaggtgtttg ggtcatggag atggatccct tgtggcttgg tgtgtctc 19920

actacagtga gtgagttctt atgagatctg gttgcttaga agtgtgtgac accttcctg 19980

ctttctctct tgtcccaag ctggccgtgt gagatgcctg ctctccctt gttttctacc 20040

ataattgtaa gcttctgaa ccagaagcag atgcctgtgc cacatttctt gtactgtcgc 20100

agaacctga gccagttaaa cctcttttct ctataaatta cccagcctca agtatttctt 20160

tatagcatca caagaactgc ctaatacacc gacctatgt cagatactat tgtgagttct 20220

gcagtacagc agtgaacagg agacattcc aatgggtgtc tggtaaatgt tcaacaactg 20280

gctggggagg agaaataat ggaaaggggc ctatttgcag tatttgcaca tttctgtaac 20340

ataaatactc cgatcatgac agattttaag ttaccaactt ggcatcgta aactttgagt 20400

tggaaagtgt tgcataattc gctcttgtga gcctgtgtga actggcccca gcaggacact 20460

gaaaaaaatc tggttcatgt gcaaaatgca ttcaagtgga gagagaggag caaaattcca 20520  
 gaccagcaac atatatagaa cgtagatatac tgatgtatta tggaggcaag gaagttgggt 20580  
 atgcagtcag gtagttagga ctatitttaa aaggattgtc aggaaagatt tgcttaaaaa 20640  
 tgacatttca gtgaagccct gaagatgggt aaggagtggc ccaagtggat aacagaagaa 20700  
 catttttaga tagaggtttc tagggggcta gataataaag gcttggggat ttattataag 20760  
 gattttaatt ttgtctgagt gagataggaa gacattgaaa ggtctttctc ttttgtttta 20820  
 gttttagtca aggagtgaca tgatctcaat ttttttcaa agacaattct ttctaagtgt 20880  
  
 ttaagagtaa accacttggg ggtgggcaaa agtagaagct cttacaataa ttttaagcaag 20940  
 agataagggt atctttcagg gtggtagtgg agaaatagtg agaatcagtg agattccagt 21000  
 tatgttttaa ttatagagtc aacagaattt gctgacagct tgaatatgga gtgtgaccca 21060  
 aaagatgatt ccaaggattt tattataagt ggaagagtga agttatcagt tactgaactg 21120  
 gagtagacaa tgggaagagt aatttttagag gatagatgag gtgttgcttt ggaatgcgta 21180  
 cagtctgata tgcctatttg acatctaagt ggagatgtag aacagacagt tgaatatgag 21240  
 tccagttcca ggaaaatgtt tgggttggag ataaaactgt gtgatattca tgataatgat 21300  
  
 aatattttaa gcactgggac tcagtgggag cactagaaag tgagtataaa tttattttaa 21360  
 atttaatcat ctatttaaca aacacatgtg ccagtactgc tctcagtgtc ttgcaagtat 21420  
 aaactcattt aattctcata acaagcctaa aatataggta ttattatttc ctccttttat 21480  
 aaataaagaa actgaagcac atagagatca agtaacttgc ccaaggtcac aagtaaatgg 21540  
 ctaataaggg atagaaatgg aatttctaac caaggctgtc tagcactgga gttcttatta 21600  
 gagaagtgtt ctaatggcct gagacttcag aaactgcaac aattacagtt tagggagatg 21660  
 agagagatca gtaaacttta ttcatgtcag gcaacacatt ttactttctc atagaaaatc 21720  
  
 tatgtcgaag gaaagtacat acagtagtta cagaaagcat atgcaaaaac aatgttttgt 21780  
 ttccttttat gcttttctat attttctata ataagcaaat attaattcta gaatcaggaa 21840  
 agattgcatt aaaaataaagc aaaagagtta ttttaaaaat cttgtttcaa tgattcatgt 21900  
 cattctttat ttaaaacaca gctcaaagag aagggtgcaat gataatcatg ctgaaaaact 21960  
 gaagggaagc tccttgctta agtatgaata aggtaacata caattttttg ccaaaactag 22020  
 aacaattctt gagagtaaaa gaaagcactg tcaattatat atgacaacag ggttaagtta 22080  
 gaactgtttt aaaaataactt gaagtttatg taggtgccct agggagcctt ctccttaaag 22140  
  
 atagggtttg catgaataca aagaagtcaa ctcttatcta gtccatgcac actaacaac 22200  
 gtgttgcca cttcttact ttcccttcta ggttaagtat accattgttt gtcattattg 22260  
 ttggttaaca tttttactat tataagtact ggtagaatt aggcacaga aaaaaactg 22320

actaccacct gtatattatt atagtgggtt tagagatact ctatttcagg ctaatcagtt 22380  
cgtatgatga gaaataataa tacagtagtc tccccttata ttcagagaat acattttaag 22440  
acccccagtg gatgcctgaa accacagata gcactgaacc ctatacatat atacctatga 22500  
taaagttaa tttataagtt aggcacagta agatattaac aacaataact aatataaaat 22560

agaacaatta agtaaaataa aagttacttg aacacgagca ctgtgatacc acaacagtca 22620  
atctgataac agagatgggt gttacgtaat tctctggcag gtggcattat atggacgtgc 22680  
tgcacaacct aagtgggatg gagcaagatg gcacaagatt tcttcacact actcagaaca 22740  
gcgtgcaatc taaaactcat gagttgttat tttctggaatt ttcaatttaa tattttgagg 22800  
accacagtta acagtaggtg actgaaactg tggaaaccga aaccacagat aaggggggac 22860  
tactgtaaag aatgaaacta tttttatggt taaagacca tttcaaggat ttgaaaagaa 22920  
atactaaaat ctttaagttg aaatataatc aaagaagaaa tcactttata ataaaacttg 22980

aaaaaattac ctttattccc attctaactt aaatgaatta gaaactaac acctattcac 23040  
ttccatttcc taaactactt ttttaaaaac ttatacttta agttctgcga tacatgtgca 23100  
gaacatgaag gtttgttaca taggtataca tgtgccatgg tggtttgctg cacccatcaa 23160  
tctgtcatct acattaggtg tttctcctaa ttttatccct ctgcacatgc cctgggtgtg 23220  
gatgttcccc tccctgtgcc catgtgttct cattgttcag ctcccacatg tgagtgagaa 23280  
catgggatgt ttggctttct gttctgttta gtttgctaag aatgatgggt tccagcttca 23340  
tccatgtccc tgcaaaggac atgaactcat cctttttatg gctgcgtagt attccatggt 23400

gtgtatgtgg catattttct ttatctagtc tattactgat gggcatttgg tttggttgca 23460  
agtcttgcta ttgtgaacag tgccactata aacatacttg tgcatttctc tttatagttg 23520  
aatgattaga atcctttgga tataatacca gtaatgggat tgcctgggtca aatggtgttt 23580  
ctggttctag atccttgagg aatcaccaca ctgtcttcca caatggttga actaatttac 23640  
actcccacca acagtgtaaa agcttttcta ttctccaca tctctccag catctgttgt 23700  
ttctgactt ttaaatgctc accattctaa ctggcatgag atgttatctc attgtgggtt 23760  
tgatttgcat ttctccaatg accagtgatg aagagctttt tttcatatgt ttgttgtctg 23820

cataaatgtc ttcttttgag aagtgactgt tcatacatt tgccattttt ttgatggggt 23880  
tgtttgttat tttctcataa atttaagttc tttatagatt ctggacttta gccctttgtc 23940  
agatggatac atigcaaaaa tgttccccca tttctgtgggt tgcctgttca ctctggtaat 24000  
aatttctttt gctgtgcaga agctcttttag tttactaga tcccatttgt caattttggc 24060  
ttttgttgcc attgcttttg gtgttttagt catgaagtct ttgcccatgc ctatgtcctg 24120  
aatgatatta cctaggtttt cttccacggg ttttacgggt tttatgggtt taggtcttac 24180

gtttaagtct ttaatccatc ttgagttaat ctttgtataa ggtgtaagga aagggtccag 24240

tttcagtttt ctgcataatg ctagccagtt ttcccaacac catttattaa ataggaatc 24300

ctttcccat ggcttatttt tgttgaagat cagatggttg tagatttggg gcattatttc 24360

tgaggcctct gtctgttcc attggtctat gtatttgttt tggtaaccagc accatgctgt 24420

tttggttact gtagcctgt aatatagttt gaagtcaggt agcatgatgc ctccagtgtt 24480

gttctttttg cttaggattg tcttggcttt atgggctctt ttttggttcc atatgaaatt 24540

taaagtagtt ttttctaatt ctgtgaagaa tglcaaaggt agtttgatgg gaatagcatt 24600

gaatctataa attactttag gcagtatggc cattttcaca atattgattc ttcctatcca 24660

tgagcatggt atgttttgtt ttccattta tttgtgtcct ctcttatttc cttcagccat 24720

gtttttagt tctccttgaa gaggtcattc gcaccccttt taattgtatt cctaggtatt 24780

ttattctctt tgtagcagtt gtgaatggga gttcactcat gatttggctc tctgtttgtc 24840

tattattggt atatagaat gcttgtgata ttgcaaatt gactttgtat cttgagactt 24900

tgtgaagtt gcttatcaga ttaaggagat ttggactga gatgatgagg ttttctaaat 24960

ataaatcat gtcatctga aacagagaaa atttgacttc ttctctctt atttgaatac 25020

gctttatttc attctcttgc ctgattgccc cagtcagaac ttccaatact ctgttgaata 25080

ggagtggatga gagaggcac cttgtcttct gctggtttcc taagggaatt attccagctt 25140

ttccattca gtatgatact ggctgtggaa ctgtcataaa tagctcttat tattttgaga 25200

tacgttccat cagtgcctag tttattgaga gtttttagca tgaatgggtg ttgaatttta 25260

tgaaggcct tttctgcac tattagata aacatgtggt ttttgtcatt ggttctgttt 25320

ctgtgatgga ttacatttat tgatttgc atgtctgaaac acccttgcac cccagggatg 25380

aagccaactt ggtcaaggta gataagcttt ttgatgtgct gctggatttg gtttgtcagt 25440

attttattga ggatttttac attgatgttc atcagggata ctgccctgaa attttctttt 25500

tacgtgtgt ctctgccagg ttttggatc agtatgatgc tggcctcata aaatgagtaa 25560

ggaaggatc cctcttttcc tattgtctgg aatagtttca gaaggaatga taccagctct 25620

tctgtacctc cagtagaatt cagctgtgaa tctgtctggt cctgggcttt ttttggttgg 25680

taggctatta attactgcct caatttcagc acttgttatt ggtctattca gggatttaac 25740

ttcttcttgg tttagtcttg ggagggtgta tgtgtccagg aatttaacca tttttctag 25800

attttcaagt ttatttgcac agagggtgtt atagtattct ctgacggtag tctgtatttc 25860

tgtgggatca gtggtgatat ccccttcttc attttttatt gtgtctattt gattcttctt 25920

tcttttcctc ttiattagtc tggctagcag tctatctatt ttgttaacct tttcaaaaaa 25980  
 accagctcct ggattctgtg attttttgaa gggttttttg tgtatctatc cttcagttct 26040  
 gctctgatct tagttatttc ttgtcctctg ctatcttttg aaattgttta ctcttgcttc 26100  
 tctagttctt ttaattatta tgttaggatg ttgattttag atctttttca ctttctcctg 26160  
 tgggcattta gtgctataaa tttccctcta accactgctt tagctgtctc ccagagattc 26220  
 tggatatattg tgtctttgtt cctctcaatt tcaaataact gatttatttc tgccttaatt 26280  
 ttgttattta cccagtagtc atttaggagc aggtttgtca gtatctatgt agttctgtgg 26340  
  
 ttttgagtaa gtttttaaat cctgcattct aatttcattg cactgtggtc tgaaagactg 26400  
 ttgtttatga tticcattct ttgcatattg ctgaggagtg ttttacttcc aattatgtgg 26460  
 tcaattttag aataaatgct atgtgggtgtt gagaagaatg tataattctgc tgatttgggg 26520  
 tagaaagttc ttagatgtc tattaggtcc acttgggtcca gagctgcatt caagtctga 26580  
 atatccttgt taattttctg cctcgttgat ctgtctaata ttgacaatgg ggtgttaaat 26640  
 tctcccacta ttattgtgtg agagtctaag tctccttgta ggtctctaag aacttgctt 26700  
 atgaatccag gtgctcctgt attgggtgca tataaattta agagagttag ctcttcttgt 26760  
  
 tgcattgacc cctttacctt tatgtaatgc ctttctttgt cttttttgat ctttatcaga 26820  
 gactaggatt acaaccctg cttttttttt tttttttttt tttttttttt tttttttttt 26880  
 gctttccatt tgtttagtaa ctattcctcc atccattat tttagccta tatgtgtctt 26940  
 tgcattgtgag atgggtatcc tgaatacagc acaccgacgg gtcttgactc tatccaattt 27000  
 taactcaatc caatttgcca gtctgtgtct tttagttggg gcatttagcc catttacctt 27060  
 taaggttaat attgttatgt gtgaatttga tctgtcatt atgatgtcag ctggttattt 27120  
 tgccatttag ttgatgcagt ttctcatag tgcgatggg ctttacaatt tgggatgttt 27180  
  
 tttcagtggc tggtaaccaac tgttcccttc cgtatttagt gctcccttca ggagctcttg 27240  
 taaggcaggc ctggtgggtga cagaatctct cagcatttgc ttgtctgtaa agaattttat 27300  
 ttctccttca ctatgaagc ttaatttggc tggatatgaa attctgggtt gaaaattctt 27360  
 ttctttaaga atgtcgaata ttgccccca ctctcttctg gctttagagg tttctgcaga 27420  
 gatatttgc ttagtctga tcggcttccc ttatgggta acccaacctt tctctctggc 27480  
 tgccttacc attttttct tcatTTtaac ctgggtgaac ctgatgatta tatatcttgg 27540  
 ggttggctt ctcaaggagt atctttgtgg tgttttctgt atttctgga tatgaatgtt 27600  
  
 ggctctctt gctaggttgg ggaagtctc ctggataata tctaaagag tgtttttcaa 27660  
 ctgggttcca ttctccctgt tactttcagg tacatcaatc aaacataggt ttggtctttt 27720  
 cacatagtcc tatatttctt ggaggctttg ttattcttt ttattcttt tttctctaat 27780

ctgtgttca cactttatit cattaagttg atcttcaatc tctgatatcc ttctttccgc 27840  
 ttgatggatt tggctattga tactttgtga tgcttcacga agttctcacg ctgtgtgttt 27900  
 cagctccatc aggtcattta tgttcttctc taaactgggt attctagtta ggaattcctt 27960  
 taaccttttt tcaaggttct taacttcctt gcattgagtt agaacatgct ccttttagctt 28020  
  
 gggggagttt gtttttacc accctctgaa gcctacttct gtcaattcgt caaactcatt 28080  
 ctccatccag ctttgttccc ttgctggcga ggagttgtga tcctttggag gagaagaggc 28140  
 attctggctt ttggaatttt cagccttttt gtgctggttt ttcctcatct ttgtggattt 28200  
 atctaccttt ggtttttgat gctgatgacc ttcagatggg gtttttgtgt gaatgtcctt 28260  
 tttgttgatg ttgatgctat tcctttctgt ttgttagttt tccttctaac aggccctctt 28320  
 gctgcagctc tgctggagtt tgctgggggt cactccaga tcctgtttgc ctgagtaaca 28380  
 ccagcagaga ctgcagaata gcaaagattg catctgttcc ttcctctgga agcttttttc 28440  
  
 agaggggcac ctgccagatg ccagctggag ctctcctgta tgaggtgtct gtcgaccctt 28500  
 gctgggaggt gtggggtcag ggaccactt gaggagatag tctgtccctt agcagagctt 28560  
 gattgtctgt ctgggagatc tgctgtctcc ttcagagctg gcaggcagga acatttaagt 28620  
 ctgctgaagc tgtgccaca gctgccccct caccaggta ctctgtccca gggagatagg 28680  
 agtttcatct ataagtcgct gactaaggct gctgcctttc tttcagagat gccctgcca 28740  
 gacaggcaga atctagagag gcagtctggc tacactggct ttgctgagct gtggtggcct 28800  
 ctgccagtt cgaactttcc agcatctttg ttacactgt gaggggaaaa ccgtctactc 28860  
  
 aagcctcagt aatggcagac gccctcccc ccaaccaagc ttgagcatcc caggtcgact 28920  
 tcatactgct gtgtgtctag tgagaatttt caagccagtg gatcttagct tgctgggctc 28980  
 catgggggtg ggtatcccta agctagacca ctgggtctcc tggtttcagc cccctttcca 29040  
 ggggggggtga atggttctgt ctgctgtgtg ttccaggcac cactggggta tgaagaagaat 29100  
 ctctttagc tagcttggtg tctgccccaa cgcccgcca ttttgtctt gaaaccagg 29160  
 acccttgcg tgtagacacc tgagggaacc tgcaggttgc gaagaccatc gaaaaagtgt 29220  
 agcatctgcg ccagagtga ccattcctca tggcacagtt cctcatggct tcccttggt 29280  
  
 aggagaggga gttccctgac ccttgcact tcctgggtga ggcgacacc caccctgctt 29340  
 cagctcacc tctgtgggtg gcaaccactc tctaaccttt ccagtgaga tgaaccaggt 29400  
 acctcacgtg gaaatgcaga aatcactcgt ctctgcgtt gatcttgctg ggagctggag 29460  
 actggggctg tttctattca gccgtcttgc cagctcctaa ttctaaacta ctgttaatat 29520  
 gatataaata ctgactttgg tgtggaatgt atgcaaagg tatgtcaaag tggaaataca 29580  
 agggaatata ctgtacctg ttttacctgt aaggacaca cacctgaca aaggcaattt 29640

tcacatccaa tgttggttca ctgcagtagt ataagaaatg gaggtcata aatacctaga 29700

ggaaaaagaa atggagcata aattttcaaa tcactagttt ttcattatat aacaatatag 29760

attttggcat aatttgagtt atatgcaaag taccatgcac aacatatctc caacataatc 29820

cttatcttga ccgtactat acctttcaca aattgtatit aataatgaaa taagggttaa 29880

atgtcctatc ttttataatg atcaattcca tcacactcat aaagattaga tataagaaag 29940

tggacatacc taataattta aagggaata catcctgtta taaagcattt tcagttctta 30000

acatttaatt tacaaaaaa aactctcaaa catatgctca acaggatata tatatttatt 30060

gtagaataaa agcactatta aataaaatat aatttataat agaattctat ataggacttg 30120

gagtaattat attagagctt actgtatcag taatagataa atttttcaaa catgatattg 30180

accgagaaga aaagcagttt gtaacagata taaggaatat actatatttg tgtgaaattt 30240

taaaattaca aaatatataa aaatgattat atattgcttt taagtaaata taattgtgga 30300

gtaaaaagta ttaggcacca tattaacata agtttaatct tgggtgggaag tacaaaaatt 30360

caattatate attttctgta tgttcaaaat attctataag tttgcacagt ttttaagagga 30420

aaagtattct aatggtagta atgccaatt aggtactaag ttatttgaga atgacacagc 30480

aacatcagag aaacccaat aaattgtttt gagttcaatt aaacacactt tgttgaatgc 30540

tgattgtgtg caaaacgcac aatactgtca gattaaacca tttaaaaaca ccatcaatat 30600

gcgacttcca tttctggcaa ggattgatag atgtcctgaa aatcactatc agtgcaaaat 30660

ccctaaaaat gttaacataa aatacacaaa acatctttca gaatgcatag ctgagtggtc 30720

aaaaataaag gcatgaaaag ttctgagaag ttgaaaacaa tgtgaaagaa tacatgcaga 30780

gaagtaaatg agctgaggcc gctgtttgtc acaggccgtc tgctgatgtc tgatgactag 30840

aactttactt ctttttttat ttgtatitit ttattatact ttaagtactg ggatacatgt 30900

gcagaacatg caggtttgtt acataggtat acatgtgcca tgggtggttg ctgcacccat 30960

caacccatca tctacattag gtatttctct gaatgctatc cctcccctag gccccaccc 31020

tgacaggccc ctgtgtgtga tgttccctc cctgtgtcca tgtgttctca ttgttcagct 31080

cccacttatg agtgagaaca tgcagtgttt ggttttcggt tcctgtgtta gtttgctgag 31140

aatgatggtt tccagcttca tccatgcccc tgcaaaggac atgaactcat cctctttacg 31200

gatgcatagt attgcatggt gtatatgtgt catattttct tcatctagtc tatcactgat 31260

gagcatttgg gtiggttgca agtctttgct attgtgaaca gtgctgcaat aaacataagt 31320

gtgcatatgt ctttatagaa gaatgattta taatcctttg gatataatc cagtaatggg 31380

attgctgggt caaatggat tttctggttct agatccttga ggaattgcc cactgtcttc 31440  
 cacaatgggt gcactaat t acatccccc caacattgta aaagcattcc tatttctcca 31500  
 catcctctcc agcatctttg tttctgact ttttaatgat ggtcattcta actggcatga 31560  
 gatgttatct tattgcagtt ttgatttgca tttctcta gactagtga gagctttttt 31620  
 tcatgtttgt tggctgcata aatgacttct tttgagaagt gtctgttcat atccttcacc 31680  
 cactttttga tggggttgta agcttttttc ttgtaaat ttttaagttc tttatagatt 31740  
 ctggatatta gccctttgtc agatggatac attgcaaaaa ctttctccca tttgttaggt 31800  
  
 tgctgttca ctctgatgtt agttactttt gctgtgcaga agctctttaa ttagatccca 31860  
 tttgtcagtt ttggcttttg ttgctattgc tttttggtgt tttagtcatg aagtctttgc 31920  
 ccatgcctat gtctgaatg gtattgccta ggttttcttc tagagttttt atggtttcag 31980  
 gtctcatgtt taagtcggta atccatctcg agctaatttt tgtagaaggt gtaaggaagg 32040  
 ggtccagttt cagttttctg catatggcta gccagttttc ctaacaccat ttattaaata 32100  
 gggaatcctt tctcatggc ttgtttttgg caggtttgtc gaaaatcaga tggttgtaga 32160  
 tgtgtggcat tatttctgag gcctctgac tgttcattg gtctatata tttgttttgt 32220  
  
 accagacca tgctgttttg gttactgtag cctttagta tagtttga tcatgtagca 32280  
 tgatgcctcc agcattgttc tttttgctta ggattgtctt ggctatatgg gctctttttt 32340  
 ggttccatat gaaattttaa gtagtttttt ctaattctgt gaagaaagtc aatggtagct 32400  
 tgatgaggat agcattgac tataaattac tttgggcagt atggccattt tcacaatatt 32460  
 gattcttctt atccatgagc atggaatgtt tttccatttg tttgtgtcct ctcttatttc 32520  
 cttagcaggt ggctcatagt tctccttgct cttcaaggtc cttcatatcc ctgttaagtt 32580  
 gtcttcttag gtattttgtt ctctttgtag cagttgtgaa tgggagttca ctcatgattt 32640  
  
 ggctctctgt ctactattgg tgtataggaa tgcttgtgat tttgcacat taattttgca 32700  
 tcttgagact ttgtcaaat tgcttatcag ctttaaggaga tttggggctg agacaatggg 32760  
 gttttctaaa ttagaatca tgtcatctgc aaacacagac aatttgccag ccattctgcc 32820  
 agccactcag aacttcagtt cttaaaatgt agcatgcaga gtacaggaaa caagatttag 32880  
 acctatctac agtgggaagt cactatggag aactgcata aagcttacta taggaagttt 32940  
 tcaataaact gtaggaggaa gcaaaataat ctgagaggga aggtctgaat tgcaaggaaa 33000  
 aatgttttgc attggaactt ctgcaggttt tttaaattta aggaagactg aaaggataag 33060  
  
 aatatataag acattctga agaagaacaa gtggctgttt gcctagcgcc ggcaaggga 33120  
 gtattctgcc agagatcaag aactattata aaggtgtgat aagtaaaat atgttgcatt 33180  
 gatgtcatga tagactatga attaatagaa tacagagccc agaacagaca cagacataca 33240

tgggaacctg attatgtcaa ggtaagcact gcagacatct gaggaagaa gaaactatgc 33300  
 attaaatcat gctgatccac cccaattagi cattgtatgg ggaaggagg aaactagatt 33360  
 cctgttggaa ggcaattctc tatggccctc tcatatttcc gcatgttttg caaacagaaa 33420  
 cactagtttg ttccagacca tcttgctaag gatgattata tagcagacag ccttgaaaga 33480  
  
 tagaggtagt gtctccttct ggagaaaagg gtagatctaa tgactatggg gcgggctctc 33540  
 tggggcaaag gtcaggcatg attcctgccc attacaaaag atttgggttc ccttagcttg 33600  
 aggtttctct tcagtaatgc aactgtgtgt gctgaggtca cctgaacatt acatcatcct 33660  
 atgggaactg gggcccgagg aactgacatg agttctgaca ttctaactgc tgctattgct 33720  
 ctgagtaata aagaccctcg tatctgacct aggagtcttg tatcttctgc caatattcat 33780  
 aaaactgtca aaggctaatt tatgaacttg caagtaaggt aacatctcag actctccagc 33840  
 gttctcaaca attcctacct cagttgtac acaaaaaata attccagaca gatcagaaat 33900  
  
 ttcaggaaag gccaaacttt aaataatata gaagaaaata tgggtgactg tttctgtgaa 33960  
 ataagtcata aataatatat atgctaagct ttgaaaaata tattaataaa ataaactata 34020  
 ttaaaattaa taatctgtgt attaaaatat gtgataatta gtataaaaag tagtcacat 34080  
 gtttgaaata aaaatcaaaa tacatataaa cagtgaaaaa tttattgaga atctataaaa 34140  
 agtccttaa aaatcaagaa gaaaagacaa aggaccaata tataaataaa acccaaaaaa 34200  
 ttgaagaatt tcatgaaaa agaaatatac gagcactcac aaatatatgc gtaccttaa 34260  
 atcatattgg gatactattt tataccttc aaattgtcaa aagctgaaga gtataatata 34320  
  
 tattcagtat ttggaaggag gttgatitga atatttgtac attactaata ggtgtggcaa 34380  
 ttggaacaac taaattttag gggaaaatgc cattatttag taaacttgtg catagcctac 34440  
 aacacaataa ttccacatct acacatatc ctagagaaac tcttatgttt ttataccagt 34500  
 atacatgtac aagaaaatc attagaatat tttataata gtgcaataaa taataaaaat 34560  
 gaactctgga aaaaaacaaa tattcataga aagaacaatg aataaataaa ttgttgtatt 34620  
 ttcctttagt ggaataccat atagcaatga aatagttgaa tagtgaaaca agtatcaaat 34680  
 atgacaacat ctcttttttt tgttatgtta tacttaatcc atttatgaaa ttttgaaaat 34740  
  
 atgcacaact aaacaatata ttatttaaga atattgcttt agtatgataa aactgttttt 34800  
 tgaaagcaaa ggaataaaaa aagcaaatc caagagatga gataattatc ctggggagat 34860  
 gaggagtgcc acigggaagg ggcgtgcagg gagcttcaaa gacattagct atgtctactt 34920  
 cttgaagctg ggcagtgggg ttacacatg ttgtttacat ttttaaacc ctatgaaaca 34980  
 tatcaaacat ttttaagca tatgaacat atattattgg atatgtctga aatattttac 35040  
 agaaaaaagg tcaagtga caaggaatta gtggtccttc agtgttctgc tgggccttgt 35100

gtatgcatgg atgtgtatgc acgtttggta tgatgtacca aacactcata atagccacta 35160  
  
 ataggaaata ctcttgagga gaaatgctga ggtttgtaaa gcaggaagat aaaaggaacc 35220  
 attaaactac tgaattaata aattatagaa cttttcccat tttagatttt ttgttatatt 35280  
 tgaaaataaa ttctctatag gaaaaaata ctaactataa tcagtaagta aaaaacaaaa 35340  
 caaaaggagc aatttactct gtaaatttta acctgtgatg ttattttatt gcgtgtccag 35400  
 ggattttatg tataattttt gccagacagt aaccactact ttgttaatgt ttttaatttt 35460  
 taacaaaata gttttgattc aagtctaatt tacacagcaa aatgaacat tcttaagcgt 35520  
 acaggtggat gaattttgaa aaatgcata atccctgaaa cacacatttc aatgaacaga 35580  
  
 gaatagtctg aaaaccccat gtgccttttt tggaaaatac tccacacct ccaaacagtg 35640  
 ttctaacttc ttccattata aattagtatt tctcccagaa ctaatgtaaa tgaaattaca 35700  
 cagtatgtat tctgttttat tgggctcttt ttgctcagca aaatgtcttt agtattcatt 35760  
 cacgttactg tatttatcag taattgtccc ttccattgc tgacaaaaat gtacatagc 35820  
 ttgttaattg attctgcatt tggatagttg agatgtgtct attttttaga tattataata 35880  
 atgctgctat gatcatttat gaacgtgtct ttttgataaa gtatgttttc atttctctta 35940  
 gggaaaatgc gtagagaaga aattattgga ttgaggaata atatgtgtaa tttttaata 36000  
  
 tctaattttt atggatacat gacagctata catatttatg gggtacatgt gaaatttta 36060  
 tacaagcata caatgtgtaa tgactaaatc agggtaattg agatatccat cacctcaagc 36120  
 atttataatt tctttgtgtt aggaacattc taattccact cttttagtta ttttaaaata 36180  
 tacaataaat tattgtcaac tagaatcatt ctaactgaaca ctaaatctta ttgcttcaat 36240  
 ctgattatat ttcagtaccc attaaactatt cctcttttac tctttctct ccaactaccct 36300  
 tcccagcctt tggtaatcat cattctactc tatctccatg agatcaattt ctttagttcc 36360  
 cacatatgag tgagaacatg caacatttgt cttttcatgc ttggttatt tcccttcaca 36420  
  
 taacgtctc cagttctgtc catgttgttg taaatgacag gatctcattc tcttttatgc 36480  
 tttaacaata ttccattgtg tatatgtatg taccacagtt tatttatcca ttcttctgct 36540  
 gataaacact taggttgaag gaatatgttt aactttttaa aagctgccag aaccattttc 36600  
 aatctcctgc agcaatgtaa gaaaattcag ttgcttcaca tccctgccaa catttgatgt 36660  
 aatcagtttt ctaaatttta atcatttttag ggagtgttta aaaatataat gctgactaaa 36720  
 aattttgaga aatttttata tgttattggc catttattta tcttcttgg tgaagtgcct 36780  
 ttccaagtct ttgtctcaat ggatagtgga ctgtggatgg agagaaggct ttatctttat 36840

attacaaatt atagaaatgc tttatctatt ccagataaaa gtcttctgtt agagacacgc 36900  
attacaaata ttttctctca gccttcagct cgcataattca gcttattaat gttattttta 36960  
aattagtagt atttttaatt ttatgaattt atttttttat ttattttcct tttatgatta 37020  
gcttgttttt ggctttgtgc ctatccccag gttcacagag atattctcct atatatcttt 37080  
tgtgaagctt taaatcgtct ttttcttctt ctttttttag tgattgttct agagttaaca 37140  
ccctacattt ttaatttata ataatccagc ttcaaataat attctgcttc acatatagtt 37200  
taagaaactt acaataglat acttccattt tcctctccaa tcctttgagc tatttgttta 37260

catattttac ttatacacac attatagacc tcataaaaca ttgctattag ttgtgcttta 37320  
aagaggcaat tatatttgaa agaaattacc aaaaagtac tttgtattta ctcacatagt 37380  
acaaaggggt atagtcttta tactcttctt taaggtttat ttgtaatcat tcatgggttt 37440  
tgatattatt ttaaatggta tttttatttt atttctattt tcaaactgtt cattttcagc 37500  
attcaaaata cattgtttca ttgttgctca ctgtcttgca gcatacatta aacaggaag 37560  
tcttccagtc actctttgat ctttccctca gtcttctcac agcactttgt tcattacttt 37620  
tgttatgaat atcgtatagt attgtaacca ttcatgtgta tgtcttttcc attctattta 37680

agaccttctc aaggaaaatg actatgtttt attaatcttc acaaccccag ggcctaccac 37740  
tattgttggg atatagataa tgttgagaaa atgtttactg aatgaaagaa gaaccaatt 37800  
ttaaaagtac aaatctacat ttttaattta tctctcata ttgaaacctg tgaatttgcg 37860  
atacatttga tactaacaaa ttaggagcaa ggagtgtgca gtagtagaaa tatgaaggaa 37920  
ataatccaag cacaatgact tcagaaatgc taccagcag tgacgtttca gttctctact 37980  
gtgaaagtgg gcatgtggga aataataaca tccagcacca ccgccccaaa acaacaatg 38040  
tgttttaact ttaatgaat gaataatctt gctatgaaaa gcaggcatcc tgatctttcc 38100

tagtttgcat tacaagact ccagtgtaac accatagcta aaaatttaca aagtcactgc 38160  
gtaaccttct tgttctagga agacacttta aaagataaaa aatgtttact atgacaatcc 38220  
cagcaaatta caaaaaattc gtttgctaatt tgtttttcct ggtagcatgg cagagagcat 38280  
ttggccatt gtatagaaac aacacagatg atcaaggtgg tatctcaata ttatgctaaa 38340  
gtgaaattag tgacaatatc ttgggtgcaat ataggacctg taagtagctt gaaagagaag 38400  
gagatgctaa tttagggagt ttagtgcttt caatcactag ttgttctttt gggaaaagcc 38460  
ccatatgagc atttcttgct atgctataca ctgtactgag tttctcttta ttatatgtct 38520

ataggaatta ctggatactc caaacaagc aataggccaa gttgcatgaa tgaaatacac 38580  
ttaagaattt attaggtgga attggtgcac agcagctgct gtaagataat gtaactatga 38640  
cgtgttttca cagcttagat caatgtttta attcttgtgt atctgagatg tgtcaactaa 38700

accacaggag gttaaagaag cttcacaaat gcaaaaatca aattgttctg ggcagctcca 38760  
 ggattccatg gtttgtcact gaactgcaat atatacaagg aaaaaccatg aactactaat 38820  
 tatttaaaaa aaaagtcca acagtttcta agttcaatcg gtatacgatg tcattactta 38880  
 taagtaattt ttgtatttat tacatagcag atttactatg aatgactttt ataacagcct 38940

gcaagcatat gtatgataca agaacacaaa gtcattgtta attaaaaatg actttgtgtt 39000  
 ctgttatcat acatatgctt gcaagctgtc atagacacac tctgtctctt ccatgttcaa 39060  
 aaggattctc cctataatat gcaaaagacc agatgaaaaa tatgccttga aacaagtaat 39120  
 tatcttttca ggggctgcag tagaaaatag aattaaattt aattttctaa taagaactgt 39180  
 gcatatgctc actttaacat actgtcaaat tcttaagtag atgtgctatc acttagagca 39240  
 cgaggcagca agttatggtc catcagtcaa attcagttaa tcacctgttt taataaataa 39300  
 aattgtatcg gaacatagcc atccattagt ttataaattg tcgatggctg ctttcacatt 39360

acagtggcaa aactgagtaa tcgtgagagg aactgcataa gctataaagc ctaagatact 39420  
 tattagttag cttttataga aaaagtttgc caacctctga tttagagcat gctaactgac 39480  
 aaagaaccag aagtatacca ttagcctcga tagaaaggcc aaactaattt aatgtctcca 39540  
 accataagta tataaatgca caaaataatt tctaaaataa tatctaattt ctcataaata 39600  
 atatctccat agttttacat ctaaaactta gatgtttctt aaaatattgt tcatataaca 39660  
 agatagaagt aaaattcttt aattttgatg acacaaaata gtatgatttg caaccagtgg 39720  
 gaagaaaatt aattaacatt agagttatca ccaatgagag aaagggcac caatcaagat 39780

agctagtaca acaaattatt cccaatacta taatgatcca gtaatatggg aagcatagac 39840  
 atagacagca tacaaatag agaaataatg tgtggaatct gaatggaaac aaaagaggaa 39900  
 cctcagaacg gtgacaactt cagttttgta aatccagcca tgtttaagga cttctggggc 39960  
 actgcagaac agctttttgt cattatttct ttccttcttc caactccaat gagattactc 40020  
 ttgttaagaa attgtatcac aggaatttcc caattccttt tctttttact aaacagtaga 40080  
 cactatgcat ggcttaaatt gtagatgggg aaatggcagt gggttacaga agtcataatc 40140  
 tatgtgagct gatctgatat tgtagcactc tcagatattt ttcttaaaat tataaaaaaa 40200

tgttctttcc attattttgg aaagtcagaa ctgctgagat ggaatataac aagaagtcaa 40260  
 cacaacaat tctacaataa ccgtaaaacc caaaaggcag tgaaaagcag taaaagttag 40320  
 aagtcagtga ctattatatt aaatggaatt aaagaaaaaa attaagctat aagctatcat 40380  
 gactaagcca taacacagag ccgttgaaag agatttttaa gtggttaagg atagataccc 40440  
 ctaccacata aaaaaatatt taaaccaaag agagctagta tcttatatta acaaaatagc 40500  
 cttaaggca aaaagtatta ttaagaatta caatagtcac tacttaatga caaaagagaa 40560

actccccaag aaaatataac agtcttggac ttatatgcac ttagcattac ctcaaatgt 40620

gtaaagcaaa tattaaaaca attataagac tacaagaaa gctgaaaaat tcacgatcac 40680

agtgagagat tttaacacat gtaagtatct cttgcttttt atacaaactg ttataaaata 40740

acaaaaaagt gagaaatcct cctattaatt tgttgagggt cataaactat catacaaaga 40800

taatataaga caagaaaatt atagtataat cttatgaaca cacagggtgaa aaattttaaa 40860

aattatcaag caaattata tgttaggaaa aaataatata gaaaaccaag tagagtttat 40920

ccaagtata caagcatgtg gcaaattgag aatctctagt aatataattc aatatattta 40980

acacattaaa aaagaaaaat tcttgtcata ttcagtagat agagaaaata atttgatatac 41040

atttcaaatc tattcatggt taaaacacac acatatattt caccaactag aaaaagagac 41100

atttttcata actgggtaag agttttctat caaaagcaac aaatatcata tttaatgatg 41160

aaaacaagaa aaagaggcat tccctctcag atttaataaa atataaagat gtctgccatc 41220

attgtttcta ttcaatagta ccctgcaaat gaaatgaaat ttttaaaatt ggcatacgaa 41280

ttgaaaaaaa caaactgttc tccactgaag acaacaggat ttttttttaa tttaatttta 41340

ttattattat actttaagtt ttagggtaaca tgtgcacaat gtgcagggtta gttacatatg 41400

tatacatgtg ccatgctgct gtgctgcacc cattaactcg tcatttagca ttagatataat 41460

ctcctaatagc tatccctccc ccgtccccc acctcgcaac agtccccaga gtgtgatgtt 41520

ccccttctg tgcctgtgtg ttgcattgt tcaattccca cctatgagtg agaatatgcg 41580

gtgtttggtt tttgttctt gcgatagttt actgagaatg atgatttcca atttcatcca 41640

tgtccctaca aaggacatga actcatcatt ttttatggct gcatagtatt ccatggtgta 41700

tatgtgccac attttctaa tccagtctat cattgttga catttgggtt ggttccaagt 41760

ctttgctttt gtgaatagtg ctgcaataaa catactgtg catgtgtctt tatagcagca 41820

tgatttatag tcccttgggt atatacccag taatgggatg gctgggtcaa atggtatttc 41880

tagttctaga tccctgaaga atcaccacac tgacttccac aagggttgaa ctagtttaca 41940

gtcccaccaa cagtgtaaaa ttgttctat ttctctacat cctctccagc acctgtcatt 42000

tcctgacttt ttaatgatcg ccattctaac tgggttgaga tggatatca ttgtggtttt 42060

gatttacatt tctctgatgg ccagtatga tgagcatttt ttcattgtgt tgttggtctgc 42120

ataaatgtct tcttttgaga agtgtctgtt catatcttc acccactttt tgatggggtt 42180

gtatgctttt ttcttgtaa tttgttgag ttcatgttag attctggata ttagcccttt 42240

gtcagatgag taggttgca aaattttctc ccattttgta ggttgcctgt tcactctgat 42300

agtagtttct ttgctgtgc agaagctctt tagtttaatt agatccatt tgtcaatttt 42360  
 gtcttttgtt gccattgctt ttggtgtttt agacatgaag tccttgccca tgcctatgtc 42420  
 ctgaatggta atgcctaggt tttcttctag ggtttttatg gttttaggtc taacgtttaa 42480  
 gtctttaatc catcttgaat taatttttgt ataagggtga aggaagggat ccagtttcag 42540  
 ctttctacat atggctagcc agtttttcca gcaccattta ttcaataggg aatcctttcc 42600  
 ccattgcttg tttttctcag gtttgtcaaa gatcagatag ttgtagatag gcggtgttat 42660  
 ttctgagggc tcgtttctgt tccgttgatc aatatctctg ttttggtacc agtaccatgc 42720  
  
 tgttttggtt actgtagcct tgtaggatag ttggaagtca ggtagcgtga tgcctcccgt 42780  
 tttgttcttt tggccttagga ttgacttggc gatacgggct cttttttggt tccatatgaa 42840  
 ctttaaagta gttttttcca attctctgaa gaaagtcatt ggtagcttga tggggatggc 42900  
 attgaatctg taaattacct tgggcagtgt ggccattttc acgatattga ttcttctac 42960  
 ccatgagcat ggaatgttct tccatttggt tgtatcctct tttatttcat tgagcagtgg 43020  
 tttgtagtgc tccttgaaga agtccttcat gtcccttgta agttggattc ctaggtcttt 43080  
 tattctcttt gaagcaatig tgaatgggag ttcactcatg atttggtctc ctatttgtct 43140  
  
 gtatttcgtg tataagaatg ctttgtattt ttgtacattg attttgtatc ctgagacttt 43200  
 gctgaagtig cttatcagct taaggagatt ttgggctgag acaatggggg tttctagata 43260  
 tacaattgaa aatctagaag aaatggataa attcctcgac acatacactc tccaagact 43320  
 aaaccaggaa gaagttagat ctctgaatag accaataaca ggatctgaaa ttgtggcaat 43380  
 catcaatagc ttaccaacca aaaaattcca ggaccagatg tattcacagc cgaattctat 43440  
 cagaggtaca aggaggaatt ggtaccattc cttctgaaac tattccaatc aatagaaaaa 43500  
 gagggaatcc tccctaactc attttatgaa gccagcatca ttctgatacc aaagccgggc 43560  
  
 agagacacaa ccaaaaaaga gaattttaga ccaatatcct tgatgaacat tgatgcaaaa 43620  
 atactcaata aaatactggc aatctgaatc cagcagcaca tcaaaaagct tatccaccat 43680  
 gatcaagtgg gtttcatccc tgggatgcaa ggctggttca atatacgcaa gtcaataaat 43740  
 gtaatccagc atataaacag agccaaagac aataaccaca tgattatctc aatagatgca 43800  
 gaaaaggcct ttgacaaaat tcaacaacac ttcatgctaa aaactctcaa taaattagat 43860  
 attgatggga cgtatctcaa aataataaga gctatctatg acaaacccac agccaatatc 43920  
 atactgaatg ggcaaaaacc ggaagcactc cttttgaaaa ctggcacaag acagggatgc 43980  
  
 cctctctcag cactcctatt caacatagtg ttggaagttc tggccagggc aattaggcag 44040  
 gagaagaaaa taaagggtat tcaattagga aaagaggaag tcaaatgtgc cctgtttgca 44100  
 ggattgttta gatagacatt gcaatagcaa ccaccaatta ttttaagcaa taaaataatt 44160

aagaatttct ggtagacaaat caatagtatc tgataatacc taatgttgct aactttatag 44220  
ggaaataaga agattaatac aatagttagt atataagaca ctaattgctt gttcctatac 44280  
aacaatatta aagaacaaac tgacaatagt tggtaagggt gaaggtatgt gaactaaaca 44340  
aatcaatggt tccacttgta tgtatctaca ctgagaaact tgacacaaaa tgcaaggaga 44400  
  
gatcgtgttc attatatctc agtttttaat agcaaaaagt caacaaaatt aacaacctac 44460  
catgagagaa atgtattcat gaaagaaaat acaagacttg aagtgaataa actgaatcta 44520  
aaagtaacaa tatggatata tttctaaagc aatgtttaag aagcacatga aatgacagt 44580  
actgatgtat tcacgtatat aaaatttaaa acactgctaa tgaataaaag gtgaagtagg 44640  
aagcaccagt aatctgcctc cctacctaga caacaattgc actgactgac agaatttgca 44700  
tgaggttaact attttggaac tctggagtct attgaaggct cgcaatttct aggctaacc 44760  
tcagtatgaa gaaagccac accaatcaga aacaaaacaa aacaaaattt aaaaacagca 44820  
  
aacgatggga tagaaggaga atctgatttc catagttatc atattagtag attcaaattt 44880  
tcagttttta cattgatgaa agaaattgaa gagaacacaa taaaatggaa aaatagtcaa 44940  
tgtttatgta ttggaggaat caatactgtt aaaatgtcta tacctactc aaagtaattt 45000  
acagatatga ttcatctct atcaaagtac caatgacatt cttcatagaa acaggaaaaa 45060  
caatcctaaa tgtatatgga gccacaaaat acccagagta gccaaaactg tcctaagcca 45120  
aaagagcaaa tctggaggaa tcacattacc tgacttcaaa ttatattaca gagctatagt 45180  
aaccaaagct gtatggtgct ggcataaaaa tagacacaca gaccaatgga acaaaagaga 45240  
  
gaaccacaa acaaatccat acatctacag tgaactcatt ttcaacaaag ctgccaagaa 45300  
catacattgg ggaaagaaca gtctcttcaa taaatggtgc tgagaaaact ggatatctat 45360  
atgcagaaga ataaaactag accctaactc ctcaacaata acaaaattca aatcaaaata 45420  
gattacagtc ttaaatgtaa gacctcaaac tataaaagt ctataggaaa attttgggga 45480  
aactctccag gacattcaac tgggcaaata tttcttgagt aatacccccac aagaataggc 45540  
aaccaaagca aaaatagaca aataggataa caagttaaaa actcctccac agcaaaggaa 45600  
acagtccatg aagtgaagag ataaccctaaa gaatgggaga aaatatattgc aaactatcta 45660  
  
tgtgacaaag tattaataac agaatatata aggagctcaa acgactctat tagaaaaaaa 45720  
ttgaaaaatc tggttaaata ataatttaat gtccaataat aattatatac atttaaagga 45780  
aactaaaagt atttataatt gctttatttg taacacaaag gataaatgct tgaggatgatg 45840  
gataccctat ttaccctgat gtgatttgta tgcattgcat gcctatatca aatatctcat 45900  
gtacacctat gtctcatgta ctcatgaaaa ttaaaaactt taaaaggaat aacgttggtt 45960  
tcaacaaaag tcacaagtca tacaacaaaa agggaagtat ggctcagtca aagaaaaaaa 46020

tagacagaaa acgatccctg agaaaggcca gatggcaaaa ctactagata aagacttta 46080

aacaattctt tcaaagatgc tcaaagaact gaaggaagac atgcaaaaag tcaagaaaat 46140

aacatattaa caataaaaat attaataaag aaaaatccta aaaaggaaaa aaaagaaatt 46200

ctagagctga aaagtacaag aagtgaagtg aaaaaaatt catgagacaa actccaagga 46260

agatttgagc agcagagtaa agaataatg aacttgaaga cagaacaata aaaattatta 46320

attatgaaga acagaaagaa ggattgagaa aaattaacg aagcctaagc aacctgtgga 46380

acaccattaa gtgaaccaac ttacacattg tggagtcca aaagaagaag agagagagag 46440

gggtagaaag attatataaa gaaataattg ccaaaacttc ccaagtttga tgaaagatat 46500

aaacatctaa gaagctcaac aaatgccaag ttggatgaat caaaaagacc ccatgctaag 46560

acacattaaa attaaaatgt tgaaagccaa agacaaagag agaataattga aagcagttag 46620

aaagaagtga ttcagcacat acaagagatt cttataaga ttattagcag atttctaattc 46680

agaaactttg gagggcagaa gggagtgggc taatatattc aaagtgctaa aagaaaaaaa 46740

gtgtcaacca agaatactaat gtttaacaaa actgtttttc aaaagtagga aagaaattaa 46800

gacatttcca gataaaagct gaaagaattc actaccacta gacctgcttt gcaagaaatg 46860

ctaaataaag tcattcgggt taaaatgaaa ggacactcaa aactatatga ggaagtaaaa 46920

actcagtaaa ggaaaatata tagataatta taaaagttag tattattgca ataatacttt 46980

gtaattctac tctttgcttt ctacataatt taagaggcta atgcactgag aagaactgct 47040

tgtttttgga cacacacaat gtaaatgtaa ttataacat caataactaa ataaagggat 47100

taaggacaaa gctggaaaaa agcagagttt gtatgttact gaagttaagt tggatataat 47160

tcaaattggt gtgctacaac ttcaacatat taaatgtatt ccccatgcta gacacataca 47220

aaaaacagtt atagaatcta taaaaagaa aatcagaagg gaattaaaat gtttttagtac 47280

aaaagaaaga aagaaaaaaa gacagtaatg cgggaaatga gggacaaaaa agctctgagt 47340

catacagaaa acaaatacca aaatgtcaga ggttcctcct tggtaattgc tttaaatgta 47400

agtagattaa attcttctat caaaagacag atgggcagaa tggatttaaa aaaaaaacac 47460

catccaacta tatgctatct atgagagatt tgcttttagat ccaaagacag aaatagactg 47520

aaagtcagag gatggaaaaa tatatttgtg catctagcac tttgggaggc tgaggtggga 47580

ggatctcttc aggtcaggag ttcaagacca gcctgggcaa catatcaaga ccttgtctgt 47640

acaaaaaaa aattataaaa ttagctgggt atggtggtgc acacctgtat tcctagctac 47700

tcaggagact gaggcaggag gctcacttga gccaggaatt caaggctgca atgggccatt 47760

attacaccac tgcactccag cctgggcaac aaagtgagac cctgtcttga aaacaaacta 47820  
 aaaaggatat tctatgcaaa tagtaacat aaagagaaca gggatggtta tactaacatc 47880  
 agacatagta actttaaatc aaaaaaagtt tacaagagac aaacaggaca ctgtattaat 47940  
 aaagcattca atataaaaga agatataaca attataaata tttattcacc taataataga 48000  
 ccatcaaaat ataggaagca aaaattcaca agactggaag gagaaattga cagatgtacg 48060  
 acagtagttg gagacttcaa catgctattc taaatagtaa atataacaac catacaaata 48120  
 caaattatat gtaaagaaat agagaacttg aacagcaca taaatgaaca atagctaata 48180  
  
 gaggtataca gaaccgtctt cctcaaaaca atatacaata ttctcaagtg cacatgggac 48240  
 atattccaga ataggccata tgttagtcca agatataata cactattttc tctgggcaca 48300  
 acagtatgaa gttagaaacc aataacagag aaaaacttaa caattcagaa attttagtaa 48360  
 attaataaaa acacttttag acaaccaatg gatcaaataa gaagtcataa gggaaaaatat 48420  
 aaattcatac taggagatga attaaaatga aaatacaaca taacaaaacc tataagccac 48480  
 cacaaaagca atgctaaggg agaaatttag agctgcaaat gcttacaata caaaagagag 48540  
 aaagatcttg aataacaacc taactttgca acttaaggaa ttagaaaaag aagaacatat 48600  
  
 taaactcaaa cctgacagat ggtagaaaat aacaaagatt tgagcagaga ccaacaaaat 48660  
 agagaataga aaagcaaaaa agaaaattgt tgaatcgaa agtttgtttt ttaaaaagat 48720  
 taacaaaatt gacaaatctt tagctggatt tagtaagata aagaagaagg actcaaattc 48780  
 ctgaaatcag aaatgaaagt ggatatatga gtggggacat tagtacaat tctaaaaaa 48840  
 ggaataggac aataagagat tactgtgatt aattgtatgc caacaaattg ctgaaactaa 48900  
 atgaaatgga caaattccta gaaacacaaa atctactaat acagactcaa tttaaaaaac 48960  
 acaaaatctg aatagacctg ttactagcaa ggaaattaaa tcaataatca aaacatttct 49020  
  
 gacaaagaaa aagccctgac cctgatggct tcaactgatga attctacat tctaccatac 49080  
 aaagaagaac taactccaat tattttcaaa ctttcctaa aaattgaata ggagggaaca 49140  
 cttacagact cattctatga gaccaacact gccctgaaac aaaagccaga caaagatatt 49200  
 acaagaaaat aaaaccacag accaatatcc ctgtgaatat tgatgggaaa atcctcaata 49260  
 aaatattgac aaactcttag caacaaaata ctgcaacac attaaaggga ttataacta 49320  
 tgaccaagtg agatttattg ctagaatgca aggatggttc aacatacaaa aatcaatcta 49380  
 tgtagtatat ctattaatg gaatgaagga aaacattatg tgattatttc aattgataca 49440  
  
 gaaaaacat ttgacaaaat tcaacaccct ttcattgattt taaaaaacac tcaacaaact 49500  
 aaaaatagaa tgaactatc tcaacacaat aagaaccata tatgaaaaac tcatcgtgaa 49560  
 catcatactc aattgtgaaa gagcaaaaga tattcctcta acatcaggaa caaggtagg 49620

atgttcactt ttacaccttc tattcaacaa atttctagaa gtttcagcca gagcaattag 49680  
 ggaaaaaac aggaaagaag gaaataaaga aaggcatcc aaatttgaaa ggaaaaagta 49740  
 caattatatt tgttcacaga taatctgatt ttctacatag aaaaccctta agattcctta 49800  
 aaaaaaaaa aaaaaaaaa aaactgttag aactgataaa cagattcagc aaagcagcag 49860

gatacaaagt taacgcgcaa aaatcaattg catctctata cactaacaat gaacaatctg 49920  
 aaaaggaaat tatgaaaaca ttccaatta caatagcatc agaaagaatg aaatacttag 49980  
 gaattgactt aaccaagaag gaaaaacact tgtacaatga aaactaaaga aaaaactg 50040  
 aaatgtatct ttaaaaggca taaaaaatag aaagacatct catgttcata gattggatgt 50100  
 cttaatattg ttaagatgtc aatactagcc aaagctatat gcaaaactca tgcaatcctt 50160  
 atcagaatca cattgatttt tgcaaaaaca gacaaatcca ccctaaaatt catatgaagt 50220  
 ctcaaggaga cttaagtagc caaaacaacc ttgaaaaaag aacaaaacgg aaggacccac 50280

acttctgat ttcaaacct actacaaagc tacaataatc aaaactgtgt agtactagca 50340  
 taaagactga tgtatagatc aatgaaatag aataggaacc ccagaaaaaa ccttggcata 50400  
 aacaatcaat taattttcaa ccaggatgcc aagaccatcc aatggtgaaa ggacagtctt 50460  
 ttcaacaaac agtactggga aaactgtata ttcacatgca aacaaatgaa gttggacctt 50520  
 tacctaaca caaatgcaaa agttaacca taatggatca aagatctaaa tgtaagagca 50580  
 aaaacaatca aactgttata agacaacata gaacaaacct tcacaatatt ggattgtcaa 50640  
 tgatttcttg gatataacat gaaagacaca agcaacaaaa gcaaaaatag acaaattgga 50700

cttcataaaa atttaaaact tgttcatgaa aggatactgt caatagagtg aaaaggcaac 50760  
 ctgtggagtg ggagaaaata ttttcaata atacagataa aaagaaattc aaatccaaaa 50820  
 tacgtagaaa ctaacactaa ataatttttt taaaaaatat tcaagttggc agggcacagt 50880  
 ggctcatgcc tgtaatccca gcacttttgg gagaccaagg cagatggatc acgaggttag 50940  
 gagatcaaga tcatcatggc caacatggtg aaacccgctc tctactaaaa atacaaaaaa 51000  
 ttagccgggc gttgtggtgc tcacctgtag tcccagctac tcaggaggct ggggcaggag 51060  
 aatcgcttga acccgggagg cggagggtgc agtgagccga gattgtgcca ctgcactcca 51120

gcctgggcga cagattgaga ctccatctca aaaagaaaaa ctattcaagt attcaagtta 51180  
 ccatctcaca tccattggga tggctattat ttcaaaaaaa attaaaaacc aaacaatcaa 51240  
 aactacagaa aataacaagc gttgttgaga atgtggagag atatgaacct ttgtgcccta 51300  
 ttggtgaaaa tgaatattag tacagccacc ctggaaaaca gcacagcagt accttaaaaa 51360  
 atgaaaaata gaattacat gtgatccagc aatcccatgc ctggttatat gcccaaaaga 51420  
 attgaaagca gggctctcaa aagatatttg tacacctgtc ttcatagcag tattattcac 51480

actagctaaa acatgaaagc aattcaaatg tccatccagg aatgaacaga ttagcaaaat 51540

gigctatata tatatatata gcacacacac atatatatat agcatatata tatatatata 51600

tatatagcca catatataca cacaatagaa aagtattcac ccttaaaaag gaaggaaatt 51660

ccgacatgct acigtgtgtg atagttgcac atgatcaatg tacttaacac tactcaattg 51720

tacaattaaa aatggtgaag atggcaaat tttatgttctg tgtattttgc cataacagaa 51780

aaagttgaaa gaaaaacaat gtatttaaga tttaaatagc aatgccatac ctaagaactt 51840

ctactaaaga agtaatcaaa tatctatatt ttaatccata agattaatcc ctaataatgt 51900

ttaccacagc attatttata ataaaataat agaaacacta aatgttcaat aaaaagaaaa 51960

tgatgaagta attattgtta gaacataatt ccacttagct atttataaat tatgacacag 52020

atacatgttc ataatatatt gtaaaatgga aaaaattggt aacaaaagag tattacaata 52080

tgtcccaat cttttaaac aaatatagtt acaaatatag ttttagaaaa tatagataga 52140

aatatgcaca ttaataactc tacttttatg tatatttggt tcataatgaa aaatgcatat 52200

ttttaataag gtgaaatatt attacagcac gtgaaagaat aacagattca ggtattttga 52260

actaaaagaa aacatagtaa acacataagc aacttatttt catagagaaa ccagaggctc 52320

aaatggtaaa tggtaggaa actttcaaaa ttatacatc tcatccatga ggcaataagg 52380

agtcagatct aaatgccaa atgctattca ttaaacacac attacatttc tcacaaaaat 52440

ttggccagca aacacttgaa acatcttaaa aattgcctct taggaattga cttttctcc 52500

cctagttctt ctaaaaattc atgtattttg gagcctgaac ctgacacaa gtatttcact 52560

tatttttcta aaacattcta tacagaattg tattaatata gagaaataag atttttctg 52620

tcatccttat aatttgtaa attaataaaa tattcttaaa ttggttcaac agatactacc 52680

aattcaggtt tacttaacaa tcacaaaaaa catttacaca ggtgaagtat ccaaactgtt 52740

attttttgcc tagttatata ttttcttca acatttctca atgcattttg tcattatacc 52800

tattaactgg catacaactc agctccttgg ttactgcaag aaacctata taccatcacc 52860

acagccatca tccgacacac agaatactca gcatgtaacg tcttgtatt ctccacatct 52920

ttaatcattg ctaggtttgt atatgtacac atgtgaatta tacatggtct tttttctaa 52980

atagttactg gaaagaaaag atggtatttt tttccttaat gattcctcat taataagata 53040

cctatttgta aagcataaaa tacattatct catatatggt aatgctata tatatgetta 53100

tatatataat ttgatagat cagtaataaa cagttcacat cacagaagat aaatacatat 53160

tgactgcaaa cctcaaatta aaaatagcaa tggaatgttg tccacaaaat cattctgatt 53220

tttatttaga attacttata aagagaagta gaattattta tatgtatagt catgtttaat 53280  
 attaaacatt tttaaaagaa agttttattcc aattatcatc acactgattc aatgaataat 53340  
 tctataaata tttaacagta tctattctga gtgaggcact atactgagga ctttgtgaac 53400  
 aaaaataaac aactcaaaaa taaaaggcca aaattagtgc ctttaagaaa ttccattag 53460  
 attaaatat tgtacatata tataggctta ttatttattt atttttttg agacggagtc 53520  
 tcacgtgtc acctaggtg gagtgagtg gcgccatctc agtcactgt aacctctgcc 53580  
 tcctcagcct ccgagtggc tgggactaca ggcgccgcc accacgccg cctaattttt 53640  
  
 tctattttta gtagagacag ggtttctactg tgtagccag gatggtgatc cgcacgcctt 53700  
 ggctcccaa agtgctggga ttacaggtgt gagccaccgc gcctggccta ggcttatttt 53760  
 taaatcttaa aagttaaca ttttaattt ttgtaaggat ggctttcaa aatatgttta 53820  
 tcataacaca tatgggcata ataataagac ttaagcaaaa aaaaaaaaaa aaaaacactt 53880  
 tgggcaatta atttaaaagg caaaataaaa tcttaattcc tctgaacaag tagtatcatt 53940  
 gctttaatta cacatctca aaataactag gccaataggg gctattaatt aggtgaaatg 54000  
 tcacttgaa tctggagag gtgctgaact tacatgaaca aatccatccc ttaagtata 54060  
  
 tggaaaaatc taacgatata atgagcagaa taaattcgga ggtcactcta tctcccagtc 54120  
 acttagcaac tgattttag ggaagagggc aagagggaat tgattttaa aaataattaa 54180  
 ccataaactc aatagtaga ataagtgaat aggaggctgg aatggaagc ggctttacc 54240  
 agggcttcca gccaactctt cttgtaggga ggaattcatc atgacacaaa agccccagac 54300  
 ataattgta cttttcttc tttatccat acatctctcc gacttccca cgttctgtt 54360  
 tctattgata gacttcagga gcacacatgc aaacctaaac cttttctctt tgtctccata 54420  
 gttttctttg tctttctttt ttcccaaaa gagattgaga gagacagaga gagagagaga 54480  
  
 gatttccatg gtattggggg cagatttctc agacttgcct ctttctgcag gcataattgg 54540  
 cacacatctt ctctgcaca accaaactct taaattccaa agtaaagcac attactaca 54600  
 acttgagtca caagtacaaa cactcatttc acttagcagc ataaagattt ctgtttggtt 54660  
 tttctaattg gccagtacta tgtaaaataa aggaagaaaa ggaggatatt tgggatattt 54720  
 tcctagtaaa ctcaaatcac aatccaatgc ttcaagcaga ataagccata aattctcaca 54780  
 atgtcaatgt tttcttaatt tattctttta gcttacttgc aatggatatt ttaaaataat 54840  
 acttcttata agaataacat tatttctgga aatatggaaa tatactctct attgttttga 54900  
  
 aataattaaa aaggctgtca agtaacactt aacctcttag agtaaggtca tttatttaat 54960  
 gataaggtca ttatttaatt acagtaacat aaattagtag acaactttga agactttaaa 55020  
 ataattcagt cttttataag aaaaatattc tatatttttc aggtataata tcaatattct 55080

tacattcaag ttgctttaat atctgttaac ataaaccaa gcaagttata gttatgggct 55140  
 ggtaagaaga gaacaacat ctattgaaaa cgtctacag ataagtgtt tgtataataa 55200  
 attatttgc ttaatat ttttctaga aatgtgtata agaattacaa tatattactt 55260  
 aatcttaca cataaaactg cacacac tttt tgccaagcgt atgtttacac attttatcca 55320

catccaattt aagtaagtta tgatacattg agttacattt actat ttttaa gatatcaatt 55380  
 ataaaaactca ttgtaggaga aaactgtata aacaaaggca tcttaatatg gcccaaaact 55440  
 aaataaaatg ttaagctata taatcttagt ttgctttaat ttcactgtg acattttatg 55500  
 attgggtgaa atgtcacac aacaaaaata aagtccaaat aaagcattaa atgactggcc 55560  
 tgtatggagc catcattaat cacttatgag agttactcat gctaaatgcg tcatccagag 55620  
 taaaaacaaa acaaaacaaa aaaaaatga ggttgacaat atactaattt gacctctgca 55680  
 tattgtgaat tgagtaatct gtaatgttgg aaaacataag actagtgtag gaataatatg 55740

gagattggat ggaggcagga aagtaggggc aatgatgcca taagcagctc ttccttaaat 55800  
 tttatttagt cctgaagaat ttaagaattt aaataaaaag agagagaagc atattttcca 55860  
 cttttatata catatatgat taactggctg atatttagaa ggaaatgtat atttttacat 55920  
 tgaacttcac ttgtgtttag agttataaaa gcaagttcaa aattttacaa gtaattttta 55980  
 acagtaaaca caataatatt ttaggtttct tctaatacag tacagcctaa tatatttgta 56040  
 tggcgtttct aactagcatt ttagcatttg gatcaaggca aagggcacaaa gtctcttgtt 56100  
 tattttatct catttat tttc tgcctcaaac tctaggctct ctataacctt taaatatgtt 56160

caggagattc agttatgtct caattgtcga acaacataag gggtttttga aagaatgttt 56220  
 tgactaatga cagagaatta ttatttttat tttctgtatc attttcctct ccaatgaaca 56280  
 tcttttggta cgttctccct tttccctagc ttaaattgtc acttaggcta gtccactgag 56340  
 ctagccacaa gtctcccgaa tagaaggcgg ctgggaagtg cccatcagtc agggacagac 56400  
 agacagccaa ggagagggtt agaaattaaa attcagtgtg aagctagaaa gacaaaatgg 56460  
 agaagtgata acaggctagg accaaactaa acagaagtga ggaggtataa atcctgagca 56520  
 atcacctcaa gaacaatgcc acccagcatg ccattggctt ttacaggtca ctggcttgac 56580

aggagtaatt caaatgtgg gaggaaaaag ccacatcgga tggctactct gctaatttat 56640  
 ctatgcagc aaacaaggca gtgtagaaat tgcagtaacc aagcatattt atagacaata 56700  
 aaggaggcac atigatatgg tttggatctg tgtccccacc caaatgtcat attcaagtat 56760  
 atttttggtt ttttttttt ataaaaacag ggtctggctc tgtctccctg gctgcccagg 56820  
 caggagtcca gtgggtgat cacaggctac tgcaggctcg acctccaga ctcaagcgat 56880  
 tctccacct cagcctcctt agtggctggg actagagatg cacaccacca cacctggctg 56940

atttttgttt gtttgtttgt ttgtttgttt ttgttagagac aggttttgcc atgtttccca 57000  
  
 ggctggtctc gaactcttgg gttcaaggga cccaccacc tcggcttccc aaagtctta 57060  
 caagcgtaa ccaactgagca cagcatatca tgttcaattg taatccctag tgttggaggt 57120  
 gggacttggg gggaggatgat tggacatgg gggagggaatt ctcatgaatg ggtagcacc 57180  
 atcccctcag cactgttctt gtgctactga gtgacttttt gtgagatcta attgtttaaa 57240  
 agtacataga acctccccct ctctctcttg ctctctcttg agatctgggt ctttcaaagt 57300  
 gtgtagcatc tgccccacac tctcttgctc gtcttccaga catglaagac atgccagctt 57360  
 ccccttcacc ttctgccatg actggaagt tcttgaggcc tccccagaag ctacacagat 57420  
  
 gccagcatca tgctttctgt acagcctggg aaactgtgag ccaattaaac ctcttttctt 57480  
 tattaattac ccagtctcag gtatttcttt atagcagtga aaaaacagac taatacatat 57540  
 attcttcatt tatagaggat gatgctatac aacactcaaa tctctcttc taaactaagg 57600  
 cactcattta tccaaatgcc aggagttttg ctactgaca gcacacagct gagccgtttc 57660  
 ctaaaaatgg cctctgcta aaaggagctt ctgggcccac gggtactcct ctccccagt 57720  
 gactgtgcaa tgcaaggtaac aaagccttca caccacctcc aactttgcc ttaactggg 57780  
 gcatcgctt agggctactg caacttcaca gataccatg ggatcagctg aggtctctgt 57840  
  
 tgcaactgca tggtgcccaa gcaaagacta agacttcata atacagtaca gcttgtattt 57900  
 atagcctttg cagaccagtt aaaaataaaa ataaaccttt gtctttgtga agaatcccaa 57960  
 aatagggtga aagcaatgct cagcctcttc ctactgaagt ggaagtcct tttgttcttg 58020  
 actggctctc caggcctcca gaagatctat gcaccccta atagactttt acacacaatg 58080  
 tttgaaggca acttctaacc ttcatccaac ctctccagg agcagaggaa ttcatcatg 58140  
 ctgatgacat ctctctctaa ggagagtcag ttcacacact tattcagtac atgcaaacat 58200  
 tcacaaataa gttcacaaag aaaaaatgtg ccattgtccc ccacacagta caaggcctca 58260  
  
 tcaccttggg taaattcctg aaaattattt agcaagtcaa gaatcactct atccctgaca 58320  
 ctgtcaagaa acagccatg acctcaata cccacatgct caacatcttt taagccttgt 58380  
 ggattctgga ggcaacatat tctgcattac aaattttact ttttatcatg ttaaacttac 58440  
 tttttacaa attttaaat ttaccattta ggggtgttaca tatcagctcc cttttaatga 58500  
 ggcccccttt tacaacagaa gcctctagaa tctgcccacaa tttgcagtac agctggcatt 58560  
 caccctagtg cctccccccc ccaagacttc ttcattttag aaacctctc tcatgtctcc 58620  
 tggacacatc ggatcaccta taatggccat aacttgcgta tggactctgt gatgagtcct 58680

gtgaacattg tctgttcgg caccatactia cacaccatta gaacagcatt gctggctgca 58740  
tctgtgctc tcttgagaat ggaggtctc acagggcctg agccctcaac tccacatacc 58800  
cacttgaca ttatgcttg ggtcatgaaa acagcacctg gaaagctcag cacttccact 58860  
gaggctcct tgctacaaag acaaacccgg aacctcgggc catttccacc tgcaggaggc 58920  
agtagcctcc cctatcccca aatctcacc ctcctctctc ttcctctgca ccacatctgg 58980  
gcaaactaat aagaaagccc agatgctccc tctcttggtg gcaacaggaa gticaaatca 59040  
cacaagccct ggccaatata taaaagaatt ctactttgc cccaaccccc taaccacagt 59100

aaaatcccaa gcgagtctct tttccctgct tttcatggca gtcttgacc tgcttagaaa 59160  
catgccctgc tctccccaga aagtctcatt atgtaaataa tgtgccttc ataccctctt 59220  
gtggcatgtg tggcatcatc aatcttgaca cctgaaccaa atttgtggga gagatgtcca 59280  
tccttctct ggaggggtgac ttagacatac cctagttttt atgtaaacct tcttgagct 59340  
tagttgccgt tctttatgat ccgaaatatac aaatgtagga attggaaccc tacctcagtt 59400  
ctaatgatct gagtgcactg aacaaatgaa actgtttcaa tgttttcatg taaaaatat 59460  
ttatttaatg catactatgg gcctggaatt ctgctagaca ctaagaatac agaggagtgtg 59520

tcagtctaata gggaaagaca gatattatca atgccatfff aagaaatgta aattttcaac 59580  
tgtgacaaat gccggggaag aaaagtatgt taatatgtta tatgaaccta tcagttctaa 59640  
tggaatcagt cctagacagt cagaaatatt aaggaagtga tatattaact gaaagcttaa 59700  
gaatgagtag aagtgcacta ggtaaaaaag gaagggaaca gagtccagg tagagggact 59760  
agcaaagaca cagtggcaga ggaagcatag agaattgtgag agactgaaaa tcagagcaac 59820  
cattgaagag cticggggta agcatgactt tatcagatft gtgttttaac gattacaccg 59880  
ggtcagtatg aggaatgaat taaagaaggt agatatattg acgatcaaac accaataacc 59940

caatatcaat gctattgatt taattcacia gcatatgtat accttccctt tctttgctcc 60000  
ccaaatttaa gataacataa tctatgcaca agatttgata aatctgagtt tgtgttttcc 60060  
ctcaaaatta gaaaataagg tcagagaatc tcatctctg aatggaagt ataaaaatat 60120  
tatccaagat gaatgagact agccttacta ttcatttaca gaaataacat cttaaatata 60180  
attctctatt gcaatgaaaa ttaaatctta tttattttgc agtaatctaa aatttataga 60240  
cagcagatgt ttagttggcc caaaggaacc ttgaagttaa ctgttctcaa ttagtgtgta 60300  
aatttaactg ctaaagtaag ttaataccct aggggaaaaa ataagttaa tactcatgca 60360

agaatccaaa taggtcaata tattcgtttt ctgtgcagaa aagagttaac agcagcctga 60420  
agctgttate cctagaaatc cgtgcttgga agtttgccc tgagctggag tatagaaact 60480  
tggaggtgga gagggtttct accattgtca ggactgatga gagggccata actgtttgta 60540

ttaacaatgt ggtttatgct gaatacctgc tttcctcctg gaagtctcaa atttttgtac 60600  
atcccagaca cagggtgcct acatgactag ccaccaataa atccttgggc ttagtatttc 60660  
agtgagcctt cctggtagac atgtagtcac aatctgttgc ttaggaaat gggcaagtcc 60720  
tgtgtgactc taccgagaga agactcctga aagcttgtgt gtggttcctt ttgaatttca 60780

cctcatgggc cattttcttt tgctaattca ctctgcagcc tttcactata ataaatccta 60840  
actgcgaatg taactctata ttttgagtgc tctgagtcct cttagcaact catcacactc 60900  
agtgggtggc ttggggaccc gcccccaac acattttcca tattttatcg gtaacataac 60960  
gagagagtga atatatcact tattgctatt ttaaaagctt tatgctcaat aggtactaat 61020  
aaaacatcaa catattaatt acctagatgc atttaagagt aatagggat atttccaaaa 61080  
ggcagtgac tattggtgcc cactgacaca agctttgata ttaactctct ctccaatata 61140  
ttctccataa atgttttcta agcctatctc ccctaataga tatgtagatt tagatatatg 61200

tatacatata gacatggaca tggacatgca cattcatata catttagaaa aagaaagtag 61260  
atatagacag ggatgtttta caacagtttt ctgaaacaat atattcagaa aaaccttttg 61320  
attatgacag catatagatg aatacaaatg gtcttcataat aactaatca aatactgagt 61380  
ttcattttta aaaagttaga aatgcttttc ctgcatagg gatttctggc tttcagcatc 61440  
tgctgacaca ctgggttctc aatgaagcaa gcctggcagg catgatttta tagaacataa 61500  
atctaagtgt gtgaggggct cacaggacaa ctaagccaca agcttctgaa ctgtcacttg 61560  
ggtatctaaa taggctagge ttactctcca tttaaagcca gactttacc gggttcaagt 61620

ggaaagtgtt atttcaagtt catagtgcatt tttaaaatcc ttagatgatg ctaaatacaa 61680  
tgggacatat aaaaatagag gaaaaactta gcataattacc agtggcaggt taaaagatca 61740  
ctaatttcag tgggcagtat cataccacat tatgccagag tttaaagata tttcaaaatt 61800  
cctttgttgc acataagtta gtacagtaac cagcattaaa ccttgaatat attttacttc 61860  
taagggattt taattggaca ttttaaattg catattattt tcatcagttt ctaggtaatt 61920  
taccacaaca tgcaaaattc caagaggaag tcatcacctt aatttctcct caagaatttt 61980  
gaagagagtt ccagaaaata agaaacgaca gatgtgcctg gaatttcatt tctattccat 62040

gttaggacag cgtactatag cattctatgt tctatattac aagcaggtct gaaagccatt 62100  
tccatagtga gaatgaattc ctgaagaatc tgacatagct gtcctgagc atttgccaat 62160  
atcatttcaa atgattatag gtcctctatg tgagacatgt atactcctaa agcaatgcaa 62220  
atctaattta tctagcttca cttggtaaca tattttcatt ggatttgatg aattgctttt 62280  
cctgattttt tgaaaaata tggttttatg tccaataata acatattgtg aatgtcacia 62340  
tttgtcttgt cagtcattgt aacacagagc ccttgatgaa tcagaaataa gaagggttct 62400

ctgacactac tccccactta tttgttctcc tagaggttac aaaagtgtaa atatctactt 62460

tgcagaatat aaagatgatt agaaaaaaga cacggccggg tggggtggct catgcctata 62520

atcccaacac tttgggaggc cgaggcaggc agatcacgag gtcaggagat cgagaccatc 62580

ctggctaaca cggtgaaatc cegtctccac taaaaataca aaaaactagc cgggcttggg 62640

ggtgggtgcc tgtgtccca gctactcggg aggtctaggc aggagaatgg cgtgaacccg 62700

ggagggtggag cttgcagtga gctgagatgg cgcaactgca ctccagcctg ggcgacagag 62760

cgagactccc tctaaaaaa aaaaaaaga aagaaaagaa aaagaaaaga aaaaagacgc 62820

atagatggta ctattctccg gtctctaaga atactttctc acctgtcagc aacgtcaatt 62880

acaagatagg agatttggag attatgtatg accaaactaa aactcttcag agataactca 62940

aataatggca ttactcacac agggaccaaa aaaatatgta gcctaaaaca atattaatat 63000

ggatctgccc acattattta aggtcaagtt tctttgtcct gtgcaatctg acctctgcct 63060

ggctctctat cctgtttct tctctgtcct tacctcacat tttgttttaa cctgaatta 63120

cttatgatgt ctgttctcaa agtgtactta gggtttgttt taatcagata taagacatgc 63180

tgacacaaaa atgactgtca tgaaggaaga agtccgtact cacagatccc tagaaacagt 63240

agacactgca caccatgcag ggccatgtgg ggaatgacca gggtagggtca ggaggtgaga 63300

cgaaagagca tggcccaaat ccttgttggc tatttatga aaaggaatga gaaaggcagg 63360

gtaggtacac taagtaagct taggattgga tagcttgaat aattttgcag gactctgggc 63420

tataggaact gtcctagtgt gtctgatacc tggctcctggg gtgatttagg gcaggagaat 63480

attaggttga tgtgtaagag agtttgataa aggaaatggg taggagcatg ggctctgcat 63540

tgtttggctt gtgtgtatat gaaaagtga cttgcaggag ggtcatttgc tatctctagg 63600

aattagctag ctctgggagg ggcaatctct ccaggatcaa ggcccagat gccagagaat 63660

caaggtcaca gaaaaaacag taaatgtcgt gtatcacaat atcatgttct tttttccttc 63720

cccttttctc ctgcagcttc ctctatctga aatccttctc ccatatactt ctacttttta 63780

acttattttt atattttaca actcagttaa gttacaaatt catctcagaa gccttgccag 63840

atcactcttg ctagacctag actgggaaat tgccactcca ggggtttcac aagatatgtg 63900

aagcataatt ctatcaccct ttgtgtcata ttataagtg tatcttattt ctaagtctta 63960

attataaata tctgttaccc accatacaat gaacttcttc gggaaagaaa tatctgatcc 64020

atgtttgtat cccagcact ttacatagta gtcattaaat aaataaatat ttgttgaatg 64080

aatgaagaca gattccggg taagctatga tttctctcag tctagcttca tgtcttattt 64140

tgagtccttc atgagcaaca atgactataa aatatagttt aagttcataat ttcaactaca 64200  
 ctaatttcat taaataacaa gactatgcat agttcaaac atagcaacat tcacttatag 64260  
 ttctacaagt ctctaaatgt atcgtctttc agagaaagta agaatgaaaa gtttaacaa 64320  
 atacttcata tattgaaatt ttcaaccttc attatagatt ttcaaggcaa cttaaaggttg 64380  
 cccagcaaca ctctgttgaa attttgtaa gtttcaacat aaagatccta attaaatacc 64440  
 aatgggaaga gcaaagtcaa ttctagggtc cacatgaagt ttaatTTTTT tcacacttcc 64500  
 acattcccaa atacaacaat catgtactat taaaatattt tactgccac accccaata 64560  
  
 catcaattat acaccattaa aatattatca atgtgctgaa attttggtat aataaaataa 64620  
 taaagtagcc atttgaaaa gatttatatg cagcaatatg tgtgggtca ttaagatgaa 64680  
 tctatattat gcctacacct gaaaaaggaa ttctattat attagtaaat gtttatcaag 64740  
 tttcagtcac atggaaataa cttacaacc ctacaagtat ccagactctc tttcttctag 64800  
 tactgtccc tatctaaaag ctatccactt tatagtagaa taaactaata tggcctgtgt 64860  
 tatgaaggaa attaacatcc ttaatggtta actaaaaatg caggaaaaca actggctttt 64920  
 ttcattgtat gcatgattga aaatgtgaaa tatataggaa ctttcttatt ttttactctc 64980  
  
 taactactta ggattttatt ttatgaaaa aaaaatccat gcatatgtat ttctaaattc 65040  
 aaaggaaaaa tgacatgttt aggcaaggca tgggtggtca tgcctataac cacggcactt 65100  
 tgtgaagctg aggagagagg attacttgag cccaggagtt caataccagc ctgggcaaca 65160  
 tagtgagact ctgtctctac aaaaaaaaa atcaaaaaat tagctaggta cattggaatg 65220  
 cacctgtggt tccagctaca caggaggctg aggcaggagg attgcttgag cccatgaggt 65280  
 cgagactgct gtgagccatg ttgaccac tgcactctag cgtgggcaac agagcgagac 65340  
 cttgtctcaa agtaaaatga aatataatga catgttcata aacacttttg agttgtcaga 65400  
  
 tctgaaaata atcaatcatg ccttagaaaa aaaggtactt cccaaacgtt tttatcttta 65460  
 agtgatttta gaaaagtaaa tatatacaat ttgattgatt aaaaaatat ttctcattga 65520  
 gtactgtgtt tcattttaaa gggtattaac ttaccttta aaagggaat gaagcacatg 65580  
 aactgtcagt gtatgaatta ccgtatgact ttaaattgta tcactcaaag aaaacagcac 65640  
 acaacacata aagaaagggt tggcatcgc cttgctcagg gaatgttta aagagtatga 65700  
 catgcctaca tatatctga taacctacta attttaaaaa ttttaaaat agactatctc 65760  
 ttctaatttt acctcagaaa tatatttttg tgactattct gcttacatgg aaaaaacat 65820  
  
 gaggataaat ttctggaatt attgatctat atgactcatc agcctaatac ttaagtaaat 65880  
 atatacaaat taatgttacc tatatactaa tgaattgta cttatacaag ttcacttatt 65940  
 aatttcctta gtatagaact aatttataaa ttatttcttt aaaactaccc ttgatttatt 66000

cccctttatt tciatgcaat ttaagtttta gcaaaatatt acaacttcaa tgtttttaac 66060  
 ctcaaaatag catataacaa catctgggtca acatttaate acctagtttt atagtaatta 66120  
 taaagtctct gcccttttaa atacttgctc agtctgcttt ttgttttatt cataaccttt 66180  
 tttatctgct tagataggag gggcaattta acagctctgg gaagaatggt ctaaaaatct 66240  
  
 agaccgggga taactggaaa agggatgctg aacgaatate taattttagg tccatttgaa 66300  
 cattttatca gaaaatatga attgataagc attagaatct tcagccaaga ccaacgctaa 66360  
 caagaaagtg aaaatgcaag gaggggattt ttaatctcat gaattacttg gttattaaaa 66420  
 taatttctgt ggcatgtcct ataactgcag ttagatatt taaaatgagt tctttattat 66480  
 tacctctaaa gagcttttac cagtgggta gaagtagaat taacagacaa aatacatata 66540  
 atctttgggt catacttata ctaaaaaatt gcttgTTTT tatttgaaat tcaccttaa 66600  
 ctgtgcatcc tgcattttta ttgccaag ttggtaacct atatagaagt acaattgtag 66660  
  
 gggctggacg cggtggctca tgcctgtaat ccagcactt tgggaggtcg aggagggcag 66720  
 atcatgaggt caagagatca agaccatcct ggccaacatg atgaaacccc gtccctacta 66780  
 aagaaaaaaa aaatacgaat attagccggg catggtggcg ggcacctgta gtcccagcta 66840  
 ctcgagaggtc tgagacagga gaatcgcttg aacctgggag gcagaggttg gtagtagctg 66900  
 agattgcgc actgcactcc aacctggtga cagagcgaga ctctgtctca aaaaaagaaa 66960  
 aaagaaaaaa gaaaaaaaag tacagttata gggatagtaa ttcatttttc cctcacattt 67020  
 ggattaaaga aaatcttgat ctttaatgtt gcaaaaatat atgttcttag gaccaactac 67080  
  
 ataatgcaca gggccttatg taaaatgaaa atgcaggacc cttttcaaca attattattc 67140  
 caacatggca acagtagagc attagccaa atgcccata agccagggtc attcttagaa 67200  
 atttagaat ctagacatta ggctatata aaatcaagta gccttatatt acagaagaac 67260  
 atagatgggt tcagtttaac tggaattggt ctataccagc ggtcaccaaa ccttgtctgt 67320  
 aaaaagtcac atagtcaata ttttagactt tgaaagccat gggtttctaa cacagctatt 67380  
 caactgtgcc agttagcat gaaaacagca agagacaata cataaacaag gagcatggg 67440  
 ctgtattcca ataaaacttt atttcaaaa acagctggta gaccaaattt gacctatata 67500  
  
 gtttctgat cctggtgat accataaaca tgagcaaat gacctgttaa gttgttttag 67560  
 attctatgca gatgcaagca ccaaggtaaa aatttagcta ggaagttaca gttgttcccc 67620  
 tgggacatta aaacatcttt gcaaaaatgt ataatagaat caattttttt ttttttttg 67680  
 aaatggagtc ttgctctgta gccaggcta gtagcagtg gcaccatctc ggctcactgc 67740  
 aagctccgcc tctgggttc acgccattct cctgcctcag cctcccaagt agctgggact 67800  
 acaggtgctc accaccagc ccagctaatt tttgtattt ttagtagaga cagggtttca 67860

ccatcttagc caggatggtc ttcatctcct gacctcgtga tccgcctgcc tgggcctccc 67920

aaagtgtctgg gattacaggc gtgagccacc acgcccggcc tagagtcaat tttttctgta 67980

tgtattttta tgtttaacca aattcaaaca tttagctcaa tcaaaccact gaccactct 68040

tgtagatcct ttaagaatgt ctctcaggga atacctagta agacatgaaa tctaagttcc 68100

ctttctcttc ctcttctatt taatttttct taacttctat atgctttgtt gttggttaata 68160

aaacatacga gtcaagggca agagcatgaa gaaaggatg gaggtatgtc atggctctgtg 68220

ctggagttaa gactgcatga caggccaggc aggggtggaag gggcgactgc ttgtgtctgc 68280

aagcctccaa gaccttcttg gtgttccaag agttttcatg taatacaagc tttttgataa 68340

aatatatgaa gcagtgacta tttccatttc gaagatgaga tccaaagagt ttagatgtct 68400

tgcccagggt cgtatgtcag aaacaaaaaa gctcttggca tcacagaagg tgcaaaaagt 68460

agaatcatag ccactctctt tgcttatagt caaatataga caaagaacca aaaatacaga 68520

cccaaagatc aaaaacatac atttatctag ttgggttac acagaaatcc atctacataa 68580

tctaagtatt cagtgcagtc agaataaatg atggctctgt gaggcctact tacaaaaata 68640

atcagaaacc atagtatgga gaaaagctag tttaaaaaca atcaagttaa aaatataaac 68700

tctctgactg acigccacaa agactcggct aaatgggctt ttctcagcta ttttacttct 68760

ccccaggcat taacctccct cccccaagga gcttctttg aaagctaacc cagtggtgcc 68820

aagcaagtgc ttggcaatct ttcctttaaa atatgtgggtg ttatccaagc aggtcggata 68880

ggctagattt ctctgacca acattttggt gatggatttc caagtaatc catagcctcc 68940

gagtgtgagc agaagtagaa agataccacc taggacagca gactgtgagg aggtgtttct 69000

cactcatttg agtcagcacc tgtcttcact aggcaccttg cagagcaaca gcagatttgt 69060

ctaaccattt tgctttgttc taattttcca aacttgccaa tctttgtggt agtcattaca 69120

ggaatccaaa aaagatgctt agaattccag gatatggtat tgtgtctccc aaggcgtgtg 69180

ccttcttctt gatttgtgca ttccaacatg aactgattc tagataggac ttgcagttag 69240

aggaaaagga aaaggattat tgccaaaggc cttttcttca aaccaagaag aatgtgtaaa 69300

atgaggggct tatcaaccat aatatgtatc aaagtgaagc tgcctgaggt gatgaaaaga 69360

aaattaaact ttaagtcaga gtctctagac tcaaatacag atttcagaat ggattagcta 69420

agagactttg atgttaatct cacttccatt tccttacatg caagacacaa caataacaac 69480

aaaaaaaaat ccatTTTgag gttgatatac agcatcatag agacaaaaaa aaattaatgt 69540

aaagattctg atatgtattg tatacttaat aaatagtact ttttgttatc atctgttgag 69600

taataattat attttgtctc ataaaaatgt atgccaaaat tcagaataga ttattttcaa 69660  
 aattctgagt taaagttgat gtaattaata tcataatact acttattaaa atataaacag 69720  
 tttctgttct atttccttat taggtatttg gttttcactt taactttctt actatcatat 69780  
 ctgaggtact tttatcta atctgtgaatat ctagggcataa ttcttcaata ataaatacta 69840  
 tattaataa aatgtcttat cttctgacaa atgacaaatg tattaacaag taagagaatt 69900  
 tgttttcttc tccaagcaac tgaataataa atcaactttt tccattttaaa atcaccatct 69960  
 tccattttaaa atcaccatca tcaattttct tattaatatg gattttttatt taaagacccc 70020  
  
 agagttaatc cttcagttct caaagtttat aatagtatag aaacactatg ttttaaattc 70080  
 aggggaaact tataatatta gacttaaatc aacaacctct aagacccttt cgggaaatac 70140  
 atctctttgt aaggaaagtt ttctgccatt ttattttactt gataaagtaa acagatattc 70200  
 tcacacatct tctaaaatc atgcagtaac ggattaggag aaaagagaag agtttttagaa 70260  
 aatcatacca gatcatctct cctttaccct tgtgtcatat tcattttcta gattattaga 70320  
 taaatcatat tatttgtata atttaatta ataatataga aacttgaagc atcacatctg 70380  
 tgttttttgc acaaattaac tcatatatca cagaaacaag tcttagactc atacactgag 70440  
  
 gtgaactaag gaactgaata tctctcatt ttccaaatga aggaatggag gccccaaaag 70500  
 agagaacttt tatgagtcac acacattcct atcctcattc ttactcgatc aaaagggaga 70560  
 ttcagttttt agtcaaaatt cctaattctt accaaaacgt gtgctttgtc tgcacatgct 70620  
 cccgggtgtt agaagtcaag ccttctctag aagggtgaga ggacaaagag ggcttgtggg 70680  
 gtaccataa agtgctatct ccggtatctg gtgctgttgc atacaggtgt gctcaccttg 70740  
 tgaaaatcca tcaggctgca agcttatgct ttgtgtcttt tctgtatat atgttatatt 70800  
 tcaataaatt taataagatg ctttcaaact ttctgttctg tgataattga catgtatcac 70860  
  
 attatagtag aaagtcgtc atcttttact gaacacctcc tacttgcaa gcattgtact 70920  
 gctaagttaa agacaaatga ggttaaaatc taagccctca agcatcacag acaagcaaat 70980  
 agttacaata ctgtgaacaa agtgatgaca gctgaacaga aaaggagctg tggggaccgg 71040  
 gcgcctgagt cagctgtggt ggaggtgaac agtgtgtga ggagaagctt caaaaaatta 71100  
 acacatttga ttcatgtctt gtattagtgt tggattgtc ctataacaaa ttaccgcaaa 71160  
 cttagtagct tcaacaata taaatggatt atctcacagt tctgggacg gaaagtccaa 71220  
 aatcagctc actgggctaa agtcaagggg ttggcaggga tagttcctct tggagctct 71280  
  
 aagggagaag ctgtttgctt gcctttttca gaatctgaag tctcctgcat tctgtgtccg 71340  
 tggcccttta ctccacctc aaagccagaa gtgtaacatc tgcaacacac tctctctctc 71400  
 tgacctctgt ttttgtctc atgtctctg ttgatcttga ccttctacc tccctcttat 71460

aatgaccctt gtgattatat tgggccact tagataatcc aggataatat ccccaagcca 71520  
 agattcttaa ttaatacact tctgcaaagt ctctttttat cacataatat aacatattca 71580  
 gaggttccag gaattaggac atggaaattg ggaggagggt gaggaagaca ttattcagtc 71640  
 taccacatgt ccigaaagat gagtagatgt tagctaactg gacaagagac aaatgatatg 71700

actggaagaa ggaatcagac ttctgaatcc tacactttgg taaatctgga tagaaacgta 71760  
 ggtcagatta taaagtcatt attaatgcca agttaaggag actgtgttcc aaaacaaacc 71820  
 acagaagggt cttaagaaga gtgatatgat ctcatgtgta tttttcaagt atattttgac 71880  
 aacaatgtat tagctagaat tagagggatt cagaagacta aaagaggcat gaaggcatca 71940  
 agctattgtg acggttcaag gagagggtct gaactaaaca aatagtttgg agatggaaac 72000  
 gcaggtcctg gtigaaggagg gacttagtaa gaacctggtg agataaggat gtgagtaaaa 72060  
 gcagggaaga aggtgaatga tgaataatag catcatcaac taaaatttct tcaggaaaag 72120

gaggaaacta gaggtggaag agaatagggt ctttattttt tctaaaaat aaaaaacggg 72180  
 gtacatgtgc agaacgtgca ggtttgttac acagggtatac atgtgccatg gtggtttgct 72240  
 gcacctgttg acccatcttc taagttgect ccctagacc ccccatcccc caaacaggcc 72300  
 atagtgtgtg ttgttccct ctgtgtgtcc atgttttctc catgatcagc tcccacttat 72360  
 gagtgagaac acgtggtgtt tggttttctg ttcctgtgtc aggttttctg ttcctgtgtt 72420  
 agtttctga ggatgatggc ttccagcttc atccatgtcc ctgcaaaaga catgatctca 72480  
 ttccctttta tggctgcata gtattccatg gtgaatatgt accacattta tccagtctat 72540

tattgatggg catttgggtt tgttctgtgt ccgtgctatt gtaaatagtg ctgcaataaa 72600  
 catatgtgtg caigtgtctt tatagtagaa tgatttatat tcctttgggt atataccag 72660  
 taatgagatt gctgggtcaa atggatattc tggttctaga tccttgaaga atctccgtac 72720  
 tgtcttccac aatcattgaa ctaatttaca ttcccacaa cagtataaaa gcgttgctat 72780  
 ttctccacag cctcaccagc atctattgtt tctgacttt ttaataatca ccattctgac 72840  
 tgctgtgaga tggatctca ttgtggtttt gaaatgcatt tctctgatgt tcagtgatgt 72900  
 taagcttttt ttcatatgtt tcttggccac ataaatgtct tcttttaaga agtatctgtt 72960

catatctttt gccactttt tgatggtttt ttattgtaa atgtttaagt tccttgtaaa 73020  
 acctggatat tagaccttcg tcagatgggt agattgcaaa aattttctcc cattctgtgg 73080  
 ttgcctgttc acictgatga tagtttatct tgctgtgcag aggctcttta gttcaactag 73140  
 atctcatttg ttaatttttg cttttgttgc aattcctttt ggtgttttag tcatgaagac 73200  
 ttgcccctg cctatgtcct gaatggatt gcctatgttc tctactaggg tttttatagt 73260  
 ttgggtttt acatttaagt cattaatcca tcttgagtta atttttgtat aaagtgaag 73320

gaagagggtcc agtttcaatt ttctgcctat gactttgcag ttttcccagc accatttact 73380

gaatagaaga tcctttcccc attgcttgtt ttgtcaggt ttgttgaaga tcagatgggt 73440

gtagggtgtg agtgttatit tctgaagtct ctgttctgct ctattgggtct atatgtctgt 73500

ttttgtacca ataccatact gttttgggtta ctgtagcctt gtagtatagt ttgaaatcag 73560

gtagcgtgat gactccagcc ttgttctttt tgcttaggat tgtcttggct atacgggggtc 73620

ttctttgatt ccatatgaaa tttaaaatag tttttttcta attctgtgaa gaatgtcaaa 73680

ggtagtttga tgggaatagc attgaatcta taaattactt tgggcagtat ggccattttc 73740

acgatattgt ttatttcttt ccatgaggat ggaatgtttt tctctgtttt gtttctctc 73800

ttatttctt gagcagtggt ttgtagtctt ctttgaagat atccttcaca tcccttggtta 73860

gctgtatttc taggtatittt attctctttg tagtgattgt gaatgggagt tcattcatga 73920

tttggctctc cgcttgccta ttgttgggtg aaaggaatgc ttgtgatttt tgcacattga 73980

ttttgtatcc tgagactttg atgaaattga gtatcagttc aagaagtttt tgggctgaga 74040

tgatgggatt ttctaaatat aaaatcatgt catctgcaa cagagacaat ttgacttctt 74100

ctcttctat tttaatgtcc tttatttact tctcttgcca gattgccccg gccagaactt 74160

caaatactat gtigaatagg agcggtgaca cagggcaccc ttgtcttata ccagtttcaa 74220

agggaaatgct tccagctttt gcccattcag tatgatattg gctatgggtt tgtcataaat 74280

agctcttatt attttgagat tatgttccat agatatctag tttattgaga gtttttaacc 74340

cgaagggatg ttgaatttta ttaaaggcct ttcttgcac tattgagata atcatgtggt 74400

ttttgtcttt ggttctgttt atgtgataga ttacatgtat tgatttgcct atgttgaacc 74460

agccttgcat ccagcactg aagcagattt gatcatgggtg gataagcttt ttatgtgctg 74520

ctggattcag ttgcccagta tttgtttgag gattttcgca tctatgttca tcagggatat 74580

tggcctgaag ttcttttgtt gtgatgggtg cttttacagg ttttgggtatc aggatgattc 74640

tggcttcata aaatgagtta gggaagagtc cctccttttc aattgtttgg aatagtittca 74700

gaagaaatgg taccagctcc tctttgtatt tctgatagaa tttagctgtg aatccgtctg 74760

gtcctgggct ttttttgggt tggtaggctg ttaattacaa cctcaatttc agagcttgtt 74820

attggtctgc tcagggatc agcttcttac tggtttagtc ttgggagggt gtatgtatcc 74880

aggaatttat ctgttcttc tagattttct agttttattg cttagagggt tttatactat 74940

tctctgttga tagtttgtat ttctgtgggg tcagtggcga tatcctcttt atcatttttt 75000

actgtgtcta ttgattttt ctctctcttc ttctttatta gtctagccag cagtctacct 75060

acttggttaa ttttttcaaa aaaaaaaaaa acagatcctg gattcattga gttttgggag 75120  
 ggttttttgt atctcttctt caattcttct ctgatgttag ttatttcttg tcttcacta 75180  
 gctgttggat tagttgctct tgcctctcta gctcttttaa ttgtgatgtt aggggtgtga 75240  
 tctgagatct ttctagcttt ctgaigtggg catttagtgc tatagatttc cttaacactg 75300  
 ctttagctgt gccccagaga ctctggtagt ttgtctcttt gttctcattg gtttcaaaga 75360  
 acttcttcat ttctgcctta attttattat ttatccagga gtcattccgg agcaggttgt 75420  
 taaatttcca tgaatttgtg tggttttgat tgagtttctt aaacctgagt tctaatttga 75480

ttgcactgtg gtcgagaga ctgtttgtta tgatttcagt tcttttgac ttgctgagga 75540  
 gtgttttact tccaattatg tggctgattt tagaataagt gccatgtggc agtgagaaga 75600  
 atgtatattc tgttgatgtg gggtagagag ctctgtagat atctactagg tccacttggg 75660  
 ctagagctga gttcacgtcc caaatatcct tgttaatttt ctgtctcatc gatctgtcta 75720  
 atactgacag tgggggtgta acgtctccca ctattattgt gtgggagtct aagtctcttt 75780  
 gtaggtctcc tgttttataa ttgtgggtac tctgtattg ggtgcataca tatttagaat 75840  
 agttagctcc tcttaactgt tccctttatc gttatgtaat gccctttttt gtctttttgg 75900

atctttgttg gttgaaagtc tgttttgtca aagactagga ttgcaaccg tgccttttta 75960  
 tttttttcca ttttgttget aaatattcct ccaacccttc atttggagcc tgtgtgtgtc 76020  
 tttgcatgta agatgggtct cctaaatgca gcaaaccgat gggctttgac tcctcatcca 76080  
 atttgcagct ctgtatcttt taattggggc atttagccca ttacattta aagtttagtat 76140  
 tgttatatgt gaatttgata ctatcgttat gatgcttttt ggttatttta cacaccagtt 76200  
 gcagtttctt catagtgtca ttggctttta tattttgggt tgtttttgca gtggcttgtc 76260  
 ctggtttttc cttttcatat ttagtgcttc ttccaggagc tcttgcaggg caggcctggt 76320

ggtaataaaa tcctcagca ttttcttgtc tggaaaggat tttatttctc cattgcatat 76380  
 gaagcttagt ttggctggat atgaaattct gggttgaaaa ttcttttctt taagaatgtt 76440  
 gaatatggc cccaatata ttctggcttg tagagtttct gctgagaggt ccactgttag 76500  
 tctgatgggc ttccctttgt aggttacctg acctttctct ctggctgccc ttaacagttt 76560  
 ttcttcatt tcaaccttgg agaactgat gattatgtgt cttgggggtg atcttctcgt 76620  
 ggggtatctt aatgggtgtt gctgaatttg catgttggtc tgtcttgcta ggttggggaa 76680  
 gtctcctgg ataatacct gaagtgtgtt ttccagcttg ttccattct cccgtctcc 76740

ttcttgtact ccaatcaatt gtagctttgg tctttttatg aagtcacata tttcttggag 76800  
 gctttgttca ttcttttcat tcttttctct ctattcttgt ctgcatgtct tatttcagta 76860  
 aggtgttctt caaactctga taccctttct tccacttggg tgattcagct gttgatactt 76920

gcgtatgcat caigaagttc tcctgttgig tttttcaact ccatctgggt gtttatgttc 76980  
 ccctctaaac tggttattct aattagcaat tcctctaacc ttttatcaag gttcttggct 77040  
 tctttgcatt gggtagaat atgctccttc agctcagcat agtttttcat tacccatctt 77100  
 ctgaaggcta ctctgtcaa ttccctccatc tgatcctctg tctagtctt cacccttgat 77160

ggagagatgt tgcgacatt tagagaagag gcactctggg cttttgggtt ttcagcattt 77220  
 tttgttggtt ttgattcttt ctcatcctcg tgagtttgtc tagttttggg ccttgaagct 77280  
 gctacccttg gatgggggtt ttgtgggggt cttttttgtt gttgttggtg gtgggtgggg 77340  
 tgttgttatt gtcgctttct gcttgtttgt ttttcttca ataactcagg cctcttctta 77400  
 tagggctcct gcagtttgct ggggggtcac ttcaggccct attcatctga tttgttccaa 77460  
 tgcctggaga tgcattcaa ggaggctgga gaacagcaaa gatgggtgcc tactccttcc 77520  
 tctgggacct ctgacctga gaggcaccaa cctgatgcca gtagaattgc tcccatatag 77580

agtgtctgac aacccctgtt ggagggtctc acccagttgg gcggcacggg gagcaggacc 77640  
 cattaatga agctctttgt cctttgatgg agagggtgtg ctttctgag ggaaaccac 77700  
 ttgtctgggc tgccagatt cctcagaact accagaagga gaggctaagt ctgctgcaga 77760  
 gactgcagcc gccctcccg ctaggggctc agggccaggg agatccaaat tctgtccctg 77820  
 agcctctggc tggaattatt ggagatctg cagggaagat ccgcccactg aggaaggatg 77880  
 ggtcagggtt agacctgaag agccactgta ggccctgact gccacagcca gtgtgttggg 77940  
 ctgtggggac aagtcttggg accaagccat ccagcctccc tggctctagc aggggagaag 78000

cgcagcttgg agctacagaa gtaggtgtg ctcttccct gccagagag cttagcatgt 78060  
 taggcagttt cgagtccag tgatggctgc tgccctccc caaaggagct caaatgctta 78120  
 gacaacagc agtggcaggt gctggatgcc cctcccccg aagttcgata ggcttaagca 78180  
 gattctagcc gaagaatctg cgattcttg ggttgggacg ctaggcccg gtggcatggg 78240  
 tttgcgagt ggatcttccg atcattgggt tgcacagttc cgtgggaaaa gcacagttt 78300  
 cccagctggg tagcgcgtc actcactgcc tcccttggct ggcgggaggg gggtccctt 78360  
 ccccggttg gtcttcttc tctccatggc tcacgccaga tttctagtca attttgatga 78420

gagaaactgg ataccttggg tgccagtga ggattcatc gtttattatg ttttttttc 78480  
 catgggagcc tcccaactca gctgttctta gtaagccatc ttggcccccac tcagatgata 78540  
 gtttctattt tggatacatc agatgttgag tttaggtgc ctagaagcct taattgtgga 78600  
 gatacttagt cattaatcac acacattggt ctattctact acatatgact accagaggaa 78660  
 tcttgttaaa acaccagatt gtgtctcttc actggtcaaa accgcaaag gcttcagtct 78720  
 cattctgagt gaaatccaaa gccctcacia tggcctgata ggtttttaca atctagcgac 78780

ctctcagaac ttgttctctc ctcttctca cctcactcat tacactctag ccaggcttgc 78840

acacagcctc tgataaaagc atgctccac tcttgggccc ttgaacatgc ctttctca 78900

gcctgaacct ctcttctccc agattcccat gtgtttcttg cctgacttg cttcagggt 78960

taatcatatt ttcagtggcg tcttcttga ccatcctatt taaaacttct cccacctcc 79020

cacccctcc cccaatccta gtagctgaa tctctcttc ctgctttagt ttgtcgatag 79080

ctagcactgt tctctgtaa agtacactta actttatttg tttgtttatt gttcttgctt 79140

acctcccgag ctctcccca accactagaa tgtaagtctc atgactacac atgactacca 79200

gaggaaacct gttaaaatgt cagattgtga ctctttacta gtcaaaacca ttacaaatgg 79260

ctcgagtctc attttgagta acactaagtg gcacacaata gcaactcaat aaatacttgc 79320

tgaatgatta gtgctggagc acaggaaaga agctcaaata gaagcattgt ttcaagagtc 79380

acataagtag aggtgacat tggcacatcc acagtgtgc aaaggcatgt acaccttct 79440

agatgttttt atagctctta gattacaact gaaaaagcat aaaaaggagg agagacaaag 79500

tctgtaggaa aaagaaaagt agtgtttagg cacttacgaa aacactcaa aaaaatcaac 79560

cattttatac ctcataattt gtgaaattat acctattca tacaagatca tttttatta 79620

ataacatgaa accaaagaat taactaaatt ttgcaaaatt tatgcaacag taaagatatg 79680

aaaggtaaag tttcttgcac ttgagatgcc tgcaattttt aaaatagatt ttaaaatata 79740

tactgtca ctaacactta cttgatctta tgtctctatt taatgatgca tcaaatgaag 79800

gtcgagtctc agtgtttcag ttcaaaacag ttcttaataa tagcatcctt cagcatgaat 79860

aagtgaactg ccagctgaga agccacctta atgaaaacag gctcctgtag gaattgtaaa 79920

gtggcttatg atgcttccag tgaacatcag aaagggccca taaagtgtag cataaagtgt 79980

gtacgtgcat ttgtgattc ctagaagaca tgttgtaag gccataaaat gttagcaacc 80040

aatttaaaaa ccagctctag gctggataat gaaagggtg agcttcttat taagtattct 80100

cacatttttt atttgaatt gcatcatgtg atctcttga gtctgagaaa tttcttttt 80160

aaaactctac tgtgaaattt ggaaggctct agattgttc cccatcttc agcattgaca 80220

caatatctcc taagtacac ttgcagtat ctaacatttg ggaattttat ccaatatgtg 80280

gtctagatat gcattttct cttcttata aacattaata tagctatctc caggaaatct 80340

gtcaacatt ctatttcatt tcatacatct aaaatttga gctagtattt gtaacctgt 80400

tcctggaaaa taagttaa gtcatattca gtacctgggt agcctgtctc ttttagtcct 80460

gtacatgtca taacactaac tataagagct ctttagacag cttatattcg agtgcttga 80520

aaacattcat ttgtgagcc caactgtata catggttcta taccacaaat tacaaaacac 80580  
 acactagcac aagtgcacat tttttttttt tttttttgag acaggctctc actctgttgc 80640  
 ccagactgga gtgcaatgat gtgatcacag ctactgcag cctctgcctt ccaggctcaa 80700  
 gtgatcctcc caccittagcc tcctgagtag ttgggactac agatgcacgc catcacacct 80760  
 tttgattaaa atttttaatt aaaattaatt ttaaaatttt taatagagat aagttctcac 80820  
 tatattgccc aggttggtct caaactcctg ggtcaagcc atcctcctgt ctggcccca 80880  
 caaagcgggt ggatttttagg tgtaagccac tgtggcaggc ccacagtgcc aattcttaat 80940  
  
 aaggagaaca tatctctatc tttagtatt taggccttgt gggtctacca ctcaagagga 81000  
 atgttacatg ggccagtaaa aaaatatttg attgaagttt aaaatgcctc taaaaccagt 81060  
 tctgccacca actgtacaat ttggggaaag ttacttaat tccttctggt ccagttttct 81120  
 gatatgcaaa atgaaagggt aaagttagat atgtttaaaa atctaattaa accccaaaat 81180  
 atattactca aaattatttt taaatacttt atctgtaatt ggtttatatg gccatcaggt 81240  
 tggcataata aacactctta gaataaatag gcaaataatg tttcttactt tccagacatg 81300  
 attaatagac agttaatcac atgtttttct atgctattat ctttccattt atcctttcat 81360  
  
 ttaaaaattg aaactcatca ttacaaagaa ataaacattc aaaaataaat taaataacct 81420  
 taaaagtcaa gttgttgggc caggcgcggt ggctcacgcc tgtaatcca gcactttggg 81480  
 aggccgaggt ggacagatca cgaggtcagg agatcgagac tatcctggct aacaaggatga 81540  
 aatcctgtct ccactaaaa cacaanaaat tagccaggca tgggtggtggg tacctgtggt 81600  
 cccagctact cgggaggctg agggaggaga atggtgtgaa cccatgaggc ggagcttgca 81660  
 gtgagccaag attgcgccac tgactccag cctgggcagc agagcaagac tccatctcaa 81720  
 caacaacagc aacaacaaca acaacatcaa gttgttaaat aaaacaaaaa cttatataat 81780  
  
 gaacattttt gttgcttaaa ttgaatgtat tcctgtgtgt tgcctttta acacaacgcc 81840  
 aattttggtt aaatcattaa gaagggaana ctaacaaaca cttccatggt gcttaccatg 81900  
 tgttcttagt agtttacatc taataactca cttaaacctc agagtaatat catgaggtag 81960  
 gtctgttac cactccact acagatgaag aaaccgagag tcagcttgcc tgaactcaca 82020  
 gagcaggtga acagaagagg tgggactgga atgcaggcag tgggacacta gagtctgctg 82080  
 gtaccacgc tactctccc acacacagcc agtctggcat aggaagttaa ttccctacaa 82140  
 cttcaggagg gtctcttgat tagtagccaa tcatatcatc ccaaccaacc taccaagtac 82200  
  
 taaatggtat tcctcaacat cccgtgatgc tccagggtag tgtgcaacct aagttggacc 82260  
 aatcagacta aaggtaagaa tctttactcc ttggtgggag ggtaggttta ctacgttca 82320  
 gccagagaga ataaggatgc atgttaattg ccaattctgc caaccgtcaa ccaactgcca 82380

accatgaagg aagccagctt aaagtaaaga aggaagaggg aagaaccaa ataatcatta 82440  
 agatgagaaa gcgaagcctc tattgtacta taccctcagc ctgctctgtc tctgtctctg 82500  
 tattttcttc tatgttctct cattgtttta gccagcttga atcagggtat cactttcttc 82560  
 tactcaaaag catcctgaga aatactggta taattgagca ccatatttac aaatcctaaa 82620  
  
 tagttaacaa tcattgttta atctaactca tgttttctcc ctgccctgat cccaggtcct 82680  
 gttaatatac atttttgtta acteccattg aatctttact gctgagtttt ttcctctcca 82740  
 ggagattcat taattggaca aagatttatt gagcacttac tctgtctgag gcatcgtag 82800  
 gccatgattt agtcagataa atgagtcaca gccctactc tcatagaatt aaggtctaga 82860  
 agggagaaaag acacataaat caacaaatta ccataatagg tgatgggtgt ataatagata 82920  
 aacactgtgt gtgtagtgt gtgtgtgtgt gtgttgtgtta ggtgatctga caatacagaa 82980  
 aatggaattt ctaagatggt ttggaggact tgatgagtgc ttcacagtag aggtgacatt 83040  
  
 ttatttgggt ctigaaagat gactaggaga ttataatag agaaaaggca ttctaggac 83100  
 tgggaaaaac atggtcagca gcatcgaact atggaagtgt tgggaatgta ggttaatggc 83160  
 aaaaagtctc aagtataac atccttcaaa aaatttaaaa gagacaattt tcaggatgtc 83220  
 aggcttggcc aatctcaag gtccttctaa tttttgttg tcatatatca agtagctgga 83280  
 cactttcttc cccctcagcc aacatgatct ctgtagggtt aacagagcta aataaagagt 83340  
 caaagctgtg tttcttgggt ttttgcattt ctctgtctca ggccagaagc aaaaagcgca 83400  
 aagaagtact caatcgccat atggtgttta tgagatcctg atttttgtga aaccctgtgg 83460  
  
 ttactttttg acagccatat aatttctcag tgtgtcattg gttttttct aatttttaaa 83520  
 gcttgtgttt cacaatcagt ttagagagat tatttgaaaa ttgctggttg tttaaattaa 83580  
 aatgttaaat tcgtttgtta acatcttttg taaagccagc tcacaatctc gtgtgagata 83640  
 caaactgtat tctaaccaac agtcaagaaa acttatcaag ataactcagt aattagtttt 83700  
 tttaaaatct caattcatca ttcaacattt aaacaatata cctttactag gcacctacca 83760  
 tatgcatatt ataggcactg ggaattttat gagaaggcag cctagaagtt agtagacatt 83820  
 aatgatgaa atagttaaat ctcaaatggc tacagccaga aaaggttttt tatgatacca 83880  
  
 caaggaagtt ttatagagct catgcttcat caaagaagaa tctttctcaa gtcagactcc 83940  
 acagaacaac tcttcttgcc cacctaaact gagaatcggg atatacgatc tccttctaac 84000  
 acaatgcagg gttaaccaga aagatttact cctgtagact gaggcaaaga gaaacagact 84060  
 gaaaacacca aagagcagta atatcattat ttctgtaata aagagctgct gaactgcaat 84120  
 ctattataat atttcaaagg agaacaacc ataaatctga gtattataat ggtgagaata 84180  
 aagatgtgct atcaataaag gcactattgg aaatctaagt tctgaacaaa ttcagaaaga 84240

cttagaaggc tctgaaatac tttttaaag tataatttag cacaggaaaa tatagaacta 84300

atctaaatca gcaaaccaaa ataataaagg agaagaaatc taaataggcc caagtaaatt 84360

cccttggcca tatcaacctc tggcttctgt cagttccctt gtgaggagaa actaacggct 84420

aaagccagaa ttttattata catacatgca tacacacaca cacacacacc atatgctttc 84480

agatgcatat aatgaaacct aacagtggct aaaataaata ggagcttatt tttattgctt 84540

caaaagacat ctggaggagg gtggctgcta gcattgggtt agtggctcag ttatgtaagg 84600

ccagtgtcta tgattctcct gtgcagattc cttcatcatc acaaggcggt tgctgtaatt 84660

ctaagcatca catccccatt agctgctaaa acaagtaggg gtggacctgt gccacacaaa 84720

ttgtccctgt taatttggaa agagacattt tctcagatgc tatgccagca gacttccact 84780

tgggtagaac tatgtcacc cttttgtcaa aggaagctgg aaagagaact ttaaaaaatc 84840

tttccagcct ctataatgta agaaggcagg agaaaatacg gtttgggaagt gatttggggt 84900

cagtcagaac caggctctatc tgcacataca atctacagta atgatcagta catgggatat 84960

agttttttgg tccagatagt gggtttgacc actgccaaca aaagtgtaat acatttttat 85020

tgtatcaaat cccatattaa atactctttt caaatatttt gaaaatatac ttctaggcca 85080

ggtgggcccc ctaatgacaa ctgcagtcaa gatgcttata cctatgagag caaaccaaag 85140

aaacttcata attatacaat gataccaaaa caaaccacat ttctgactat ggagtctgca 85200

tttgacagaa ccatcctgag aatgggaaat aaaaatgcta agtcactgaa ctacaaaaag 85260

cctcatgtct aaaaaggggg gaaatcatat gaagtaagga tggacacaag tgcccaaaaa 85320

tagagtatct agaaataata tctgatgact atgtctcata ctttgccttt gtctaaaaga 85380

ggatgatgga ctaaaaaca ttttaaggct ttgtcatagt gaatagtcca gctagactca 85440

taggaatgcc gatctttaca aacttttcag gaagtttatg acatccaagg agctatgac 85500

attgattaaa taaatctgtt tgtcttgggc aagaaagggt tttgaaatga acatttctct 85560

ccagtaatca cagaggcaag tggctgggtt taaagtagtc cttatactgt atttgtggtc 85620

atcttaagta ctcatcaga ggtcttaaaa catccagac agacttactc tattctatct 85680

taaacaacat taacagaagg caattctaca tctcaaatt aagcatctca taaaaataac 85740

tcttattccc gctgaactat gcttttctg ttaatattha ctgaaagcct agagaatctt 85800

agagtgaata aattttagaa ggaggcaaca tctatccaac tttgaagtga ggaatcaact 85860

tatctctgaa aatttaatta aattacatct caatttcata gaggagtcac ctgacttcc 85920

ctgactctct ttaactttat ttattatgga atcaagaaaa tggcaaagaa agtaaaaaaa 85980

agtaaaccac atagtttctg aaaatctagt catgttgtaa agaagtcag gacaatgctt 86040  
 ccttaacaat gtactactgt caaggaaca cgttctcaaa gagccagact gattaatttc 86100  
 accagtggtc atgagctaca acacagccag gggacatgac agattgactc taggagaaaa 86160  
 ctattatntt tctctgcag ccaatgttgt aacagttgaa atcatagctg ggatgaagta 86220  
 agctcaatca tgcagttaaa gtgttgcttt gaaccaacta gccaataatt ttctcactaa 86280  
 aataaaactt cagggagcaa ctacagagaag tgaaggaatt gtccatcaca aaagatattt 86340  
 gtcccatat tagaagccta aaactgatgc tgattcttaa aatcactgag gcaggattgc 86400  
  
 aatctccatt ctcaatgtta aatagaacat cgtttttatt ttattttatt ttattttatt 86460  
 ttattttatt ttttaattat actttaaatt ttaggttaca tgtgcacatt gtgcaggtta 86520  
 gttacatatg tatacatgtg ccatgctggg gcgctgcacc cactaactcg tcatctagca 86580  
 ttaggtatat ctaccaatgc taccctccc cctcctccc tccccaccac agtccccaga 86640  
 gtgtgatatt ccccttctg tgtccatgtg atctcattgt tcaatccca cctatgagtg 86700  
 agaatatgcg gtgtttggtt tttgttctt gcgatatgtt actgagaatg atggtttcca 86760  
 atttcatcca tgtccctaca aaggacatga actcatcatt ttttatggct gcatagtatt 86820  
  
 ccatgggtga taigtgccac attttcttaa tccagtctat cattgttgga catttgggtt 86880  
 ggttccaagt ctttgcatt gtgaataatg ccgcaataaa catacatgtg catgtgtctt 86940  
 tatagcagca tgatttatag tcatttgggt atataccag taatgggatg gctgggtcaa 87000  
 atggatattc tagttctaga tccctgagga atcgccacac tgacttcac aatggttgaa 87060  
 ctagttagca gtccaccaa cagtgtaaaa gtgttctat ttctccacat cctctccagc 87120  
 acctgtcgtt tctgacttt ttaatgattg ccattctaac tgggttgaga tgatatctca 87180  
 tagtggtttt gatttgcat tctctgatgg ccagtatga tgagcatttt ttcattgtgt 87240  
  
 ttttggctgc ataaaagtct tcttttgaga agtgtctgtt catgtccttc acccactttt 87300  
 tgatgggggtt gttttttct tgtaaatttg tttagattca ttgtagcttc tggatattag 87360  
 ccctttgtca gatgagtagg ttgcgaaaat ttctcccat gttgtaggtt gcctgttcac 87420  
 tctgatggta gtttctttg ctgtgcagaa gttctttagt ttaattagat cccatttgc 87480  
 aattttggct ttggttgcca ttgcttttgg tgttttgac atgaagtcct tgcccacgcc 87540  
 tatgtctga atggtaatgc cttggttttc ttctagggtt tttatggttt taggtctaac 87600  
 gtttaaatct ttaatccatc ttgaattgat tttgtataa ggtgtgaagga agggatccag 87660  
  
 tttcagcttt ctacatatgg ctagccagtt tccccagcac cattatttaa ataggaatc 87720  
 ctttcccat tgcctgtttt tctcagggtt gtcaaagatc agatagttgt aggtatgcgg 87780  
 cgttatttcc gagggctctg ttctgttcca ttgatctata tctctgtttt ggtaccagta 87840

ccatgctgtt ttggttactg tagccttgta gtatagtgtg aagtcaggta gggatgatgcc 87900  
tccagctttg ttcttttggc ttaggattga ctggcgatg cgggctcttt ttgggttcca 87960  
tatgaacttt aaagtagttt ttccaattc tgtgaagaaa gtcattggtg gcttgatggg 88020  
gatggcattg aatctgtaaa ttaccttggg cagtatggcc attttcacga tattgattct 88080

tcctacceat gagcatggaa tgttcttcca ttgtttgtg tctctttta ttctcttgag 88140  
cagtggtttg tagttctcct tgaagaggtc cttcacatcc cttgtaagtt ggattcctag 88200  
glattttatt ctctttgaag caattgtgaa tgggagtcca ctcatgattt ggctctctgt 88260  
ttgtctgttg ttggtgtata ggaatgcttg tgatttttgt acattgattt tgtatcctga 88320  
gactttgctg aagtgtctta tcagcttaag gagatttttg gctgagacca tggggttttc 88380  
tagataaaca atcatgtcgt ctgcaaacag ggacaatttg acttcctctt ttctaattg 88440  
aatacccttt atttcttct cctgcctgat tgccttgccc agaacttcca acactatgtt 88500

gaataggagt ggtgagagag ggcatccctg tcttgtcca gttttcaaag ggaatgcttc 88560  
cagtttttgc ccattcagta tgatattggc tgtgggttg tcatagatag ctcttattat 88620  
tttgaaatac gtcccatcaa tacctaattt attgagagtt tttagcatga agcgttgttg 88680  
aattttgtca aaggcttttt ctgcatctac tgacataatc atgtggtttt tgtctttggc 88740  
tctgtttata tgcctgatta catttattga ttgcgtata ttgaaccagc ctgcatccc 88800  
agggatgaag ccacttgat catggtggat aagctttttg atgtgctgct ggattcggtt 88860  
tgccagtatt ttattgagga tttttgcac aatgttcac aaggatattg gtctaaaatt 88920

ctcttttttg gttgtgtctc tgcccggctt tggatcaga atgatgctgg cctcataaaa 88980  
tgagttaggg aggattccct ctttttctat tgattggaat agtttcagaa ggaatggtac 89040  
cagttcctcc ttgtacctc ggtagaattc ggctgtgaaa ccatctggtc ctggactctt 89100  
tttggttggt aaactattga ttattgccac aatttcagct cctgttattg gtctattcag 89160  
agattcaact tcttcttggt ttagtcttgg gagagtgtat gtgtcgagga atttatccat 89220  
ttcttctaga ttttctagtt tatttgcgta gaggtgtttg tagtattctc tgatggtagt 89280  
ttgtatttct gtgggatcgg tgggtatata cctttatca tttttattg tgtctatttg 89340

attcttctct ctttttttct ttattagtct tgctagcggc ctatcaattt tgttgatgct 89400  
ttcaaaaaac cagctcctgg attcattgat tttttgaagg gttttttgtg tctctatttc 89460  
cttcagttct gcctgattt tagttatttc ttgccttctg ctagcttttg aatgtgtttg 89520  
ctcttgcttt tctagttctt ttaattgtga tgttaggggtg tcaatttttg atctttcctg 89580  
ctttctcttg tgggcattta gtgctataaa ttccctcta cacactgctt tgaatgcgtc 89640  
ccagagattc tgglatgttg tgtctttgtt ctcggttggt tcaaagaaca tctttatttc 89700

tgccttcatt tcgttatgta cccagtagtc attcaggagc aggttgttca gtttccatgt 89760  
  
 agttgagcgg ctttgagtga gattcttaat cctgagttct agtttgattg cactgtggtc 89820  
 tgtgagatag ttgtttataa tttctgttat ttacatttg ctgaggagag ctttacttcc 89880  
 aactatgtgg tcaattttgg aatagggtgtg gtgtgggtgct gaaaaaatg tatattctgt 89940  
 tgatttgggg tggagagtgc tgtagatgtc tattaggtcc gcttgggtgca gagctgagtt 90000  
 caattcctgg gtatccttgt tgactttctg tctcgttgat ctgtctaatt ttgacagtgg 90060  
 ggtgttaaag tctccatta ttaatgtgtg ggagtctaag tctctttgta ggtcactcag 90120  
 gacttagaac atcttttttt aaaggcttat aaaaattggg gtttttgtaa gtattctcgg 90180  
  
 aaataccaaa acgcttgctc tgatcacact tatttttcaa cagaagataa gctaacaatcc 90240  
 aaatgcagtt cttttatgaa gatgtaacat aaaagtgaca tcaccaaggt aactaatctg 90300  
 ctgaatcaga gtaacatatc ctggggattc tatttttcaa agaaaaataa tgataaagat 90360  
 attctgattt aataaaagaa aaaaagaaaa aaaagaagag actaaattgg agatgtggta 90420  
 ggatcgaggg tatgggtgggt agagagtagt aaaatggaga agccctccta gctgagtttt 90480  
 gcctgggatt ttgctactca tccagtttat caacagcagt tcacgggtggg ttctaaaata 90540  
 aactcacctg ctctttttta ttgtgctcta tagagttttc agaaatgtat atccctgtgt 90600  
  
 caatgaataa agagcatgaa cggaatttga tatgaagttt ttctgtgggt gacatctctc 90660  
 tctctgactc tcaactctct tcatcaatgc accatgacat ttttaagacag gacactgagt 90720  
 cagaggaaga catctcgaga ggaagagctg cattcctctc tgaaggcata tatgtctgcc 90780  
 tgatagtgtg tctgtgttgc agtctgcccg taagcagtgc taggtggga actttggaga 90840  
 ccacaccata tatctaactc aaagtacaat cttattttga atgttaaatt tggatatctat 90900  
 attgaacgtt tttttaaaaa atcaagggtc tgtttaactt tttttcaatt gctaaattct 90960  
 agaaaagttt atcaaaagca aattttattt ttctggggga tggggtggga gggttccctc 91020  
  
 tgctttgcca agaccctaaa cataaactaa aattggcctc tgaaataatc cagcactacc 91080  
 ttgctattta gtaatgttat ttgtctcctc ttagatatct gtttgtctta attttccacc 91140  
 caatagaatg taggttcctt aagaatggag aatatgtttt acctatttat tcacagcatc 91200  
 aaattgtccc tgggtgtgtc ttagtaccta aaatataatt attcaattaa aaaatggaag 91260  
 aagggaataa aagaatagag aaaacaaatg gaaaggaagg cgagcaggtg tcagacaggt 91320  
 acagtattac tgaatgaagc aattacaggc accagacaag tttctacatt taggaacctc 91380  
 atttatagca agcacaccag aatcgagata ttctccatc ttctcccaca agtaattttt 91440

attgtatatt gtacattata acattgtctg tagcttttgt ctctacaatc aaccaatctc 91500  
 atacttggcc gaactagtgc ttcatccca gtgcatgatg aatgtgtcag tagcttgctc 91560  
 atcctctcca gagaatagtg gaaatatatc cttaaaattg gcctactcat ttaattgcc 91620  
 cacagtcaaa acctacagag ttatagctac aatgagaaaa ttatagctat aaagtgtttt 91680  
 tataaaagtt tccactcctt caattatcct gttttaaaat tgacaaaaat taccaacatt 91740  
 ctctttctgt ttgtcttatt ctgagacctg agagttccat taaaattaga gaaaaaaaat 91800  
 ttccagatct tcatgggaat aagatataa tctcaaaaag agcaaatatt tatttagtaa 91860  
  
 gtacctagat tttttctga gcaaatagcc acattatagg taaactaaaa atcatacttc 91920  
 ttcttatttt tagtttttgt cagtgtttg aaactcaaca cacttcttc caaatatctg 91980  
 aactttatgt attatactcc attttttctt ttctttctt tcttttttt ttttttttt 92040  
 ttttttgaga cagagtctct ctctgtcgcc caggctggag tacagtggcg cgatctcggc 92100  
 tcaactgaag ctccgcctcc cgggttcacg ccattctcct gcttcagcct cccgagtagc 92160  
 tgggactaca ggcgccccgc attgcgcccc ccattgcgcc cgtctaattt ttgtatttt 92220  
 tagtggagac ggggtttcac tgtgttagcc aggatggtct cgatcttaac ctcatgatcc 92280  
  
 gccgcctcg gcctatactc catttttaat ggttgcatta ggtcttttac aacagatagc 92340  
 tggccatgct atctcaatc ctctgtcttt ccttcaaata tcatttctta ttgtgtcatc 92400  
 ttaaagaaga aaatagagaa gatataggac actagcatga atatatctcc aaccataaat 92460  
 gaccaacaag ttggcatttt tattaatccc ctaatatata cttattttat tgtattttgc 92520  
 tctcatcaa acagaatagt tgaaagaagc aaaagtccat ttaattaagg taccagctta 92580  
 ggtaggttg ggttacggtt aattggtaaa tatgatacac tgtagcttaa ttgctaata 92640  
 aaaaggatga atactgaatc catgtacat atccactcac agtgaattcc ctaggcagtc 92700  
  
 ttcttgagtc tagcagaatg tcttaaatgt tgctaaatct tcttttgga ctcacgtgat 92760  
 ccatttatcg cctccctttt ttcttctatt ttttatcttc cactgattca acaataactt 92820  
 catacctggt tcacagtctc cctcttcac actgccttca tgcctcatga aattagtcct 92880  
 cacgtggttg accagtttga taatcttgcc tcacactctt tgcctcagt tctatttatt 92940  
 acccaactcc gcttgacttc aggcatccac attttagctt tctattacct agaacaattc 93000  
 ctttttttaa ctcttaaat ccaagttaa atttgttgaa ccacatctc ttatatcagt 93060  
 tctcacaca cattccatgc cttttccct ttaatctctc cattgttcc caattcatca 93120  
  
 gtccattcct atttattctc tttctacaa ctaatctaag tgcattctg aatatactct 93180  
 tgcagactcc cttaacacat tctctgatc gattcatcac acacacaagg caaaacttca 93240  
 gacctggatc agttcagctg tatattcatt ctcttctat gcctagactg ataggaccta 93300

ctagagaaaa gtcacaatgc tcaatcgtga agatgaatga tatgaaaaat tcatgaaaa 93360  
aggattccgg cttaagtaa actctgaaaa ttggtctgca gtccttgtca tctccttatt 93420  
ctttgtccca cagagtccac atgaaatcat tgcaggatct ctattgtcat tacctacctt 93480  
atcattttta gcaaatcacc ttaactcctt acttcataga cgaaagtcac catttgcctc 93540

tccccatcac tagatttgtt ataactaact caacctttcc ttactcattt ttttccaagt 93600  
ggaggagctc gttctccatt tatgtactat tctctcttcc ccattttcct tgttctcagg 93660  
tgcctcctcc tataaattaa catcctcctg tcaactcctg ggttttaaac cccttctatg 93720  
ttggtttacc cccactgtat ctataattat gttcaaaatc tttaggaatc catgtccctt 93780  
ctggatacca cattgttttt tctttttcct ttcacaatta cactggtaga aagaatagtg 93840  
catgcttgct gtcttttctt cctcaccata aatttatgcc tctatccaat gcaatctgcc 93900  
ctttatccca ctccagccac caaatctttg cttttgtctc agtgttgact ccgaacttca 93960

aaaaacccaa atggaaactt tcaattcata tcttacctaa ccttctgaa aaatatagac 94020  
tactgcatcc ttttgatat tatttatac tctctccttt aacctcattc aagtctttgc 94080  
taaaatgcca gcttcttggt gagacttacc taaccagact gttacttaaa attgcagcac 94140  
tgactcctgc actccagctc tctcttacct tgctttatta tatttttatt gtacttaaca 94200  
tcttctaaca aaatgtataa tttacttatt tatttctgtc tcatttcggt agcatataag 94260  
ctaatttgct gttttactg atttttatca ttttatataa agtaataaca aaaaatggtt 94320  
gtcagaagaa tggatctctt ggtttccagg gcaacagtct ctctgggctt ttctcctgac 94380

tcttgagttt ttctttctca gtctcctttg caactcctgc tacatatccc ttaacttcta 94440  
atgttcccca agtttctta cataggctct ttcttcataat ttctccctga gacatctcag 94500  
ccactgtcat gattgaaact atctccttca tgttagcttc tgaaatatct atatttccat 94560  
tccaaatctt tctcttaaat cccaaatcca tatatcta atgttctttaa acatctacat 94620  
ttggaggctc cacagacaac acaaacacaa aatattcaaa ctctcttcca acctaccata 94680  
gcctttcact cacatgattg taacctagat ttatatttat atgtcttctg taaagtacta 94740  
tttctaagtt aaataagata ttttaccaaa cagctctgta tagaggtaaa aatggtactg 94800

tgaatgtgaa aatgaatctg tgctttatgc agccaggaag cattcaaacc acattaagag 94860  
atttatattt ccaatagttg gaaactgagg tatttatgat agatcaaaga aagccttgct 94920  
ttcatatctt agtgatgctt ttcttataat ttgaataat cattaggtga ttagtgactt 94980  
ggtacactga attttctgta ataaatataa aaagatataa ttttacaaca ttaccatcca 95040  
agccatttgc atctacaaa gaaaaccatc agctatctgc cattatccaa taaatttaac 95100  
caagatgac acagttcaga gataaacat acatttataa ttaactatg ttatctccaa 95160

atgtcagagg aagtataca tgggcaaaat ctgcatcatt ctaataaaa gtcaaataaa 95220

tattacatat acaatggagt ttggtgaaaa taatactaaa gttgaaaacc gacaacctgg 95280

attcaaatTT ctcttttact actcattaac tgtttggctt caagtaagtt aataatagcc 95340

attcactctt ctaagagttt tgcattttac aattctcaca ataaccctat acaacaagca 95400

ctatcatttt ccccgatttc cagatgaaga cactgagtag cctaaaaata aagtatttta 95460

ccaagatca ctcagtctca ttttggacc aggctgtttg attctagagc ttctgtgttc 95520

aatgtcattc tgttttgagg ctttccattt gtaaaatag agtttcatct ctaaaatagg 95580

gttttaatta aaatagcaca taaaatattt tgtaaatttt aaatcactat caaatgtaac 95640

atgtggaatt attagtctaa taaattgcta aacttccaac agtggtttct ttctttiagga 95700

tttgtactgc atcactctct aaataaatTT gagaatctct tttcttgagc tggattctgt 95760

gaattgaatt tcatctatga gtcttaagaa ctgttctacg aggaccttaa agataatatt 95820

aaaagtcct tgaagttcaa gggagagtTC ttaggcaccc tggcaataa tttccatagt 95880

agctccctgt agaaaaatgt actacaaatc aaagctgtct gcattctcta acaatcaatg 95940

ggtcactctt catatatctt tcttaaaaga aaacacgtga ctggctttct atagaaaata 96000

aaattatagg gaagtcagat ttaataacca ttgaacaaag acagttagtc ctataagaaa 96060

tattttatcc aaaatttcag tccactataa tatgaattat agttacattc ttctatttat 96120

tcattcattt attcaactaa ctttactaag tatttactat gcaaggcatt gcattatatg 96180

ctgtggatgc aatgaagaga taaacatcat tattgtcttc agagggttta ctgtccagtg 96240

gggataatTT ttactaaaa aagtacaata caacataata agaaaagttt agtgtcctat 96300

aagaggacaa aggagaagca attaaccttt gagatgtttg acacatatTT caatggctat 96360

gctaattcat ttttcatgac acagaaaata cagcatcttt gtaatgtttt agcgctttgc 96420

aaactaaata ttaagatatc agctcattcc aaggcctacc ttaatacaga agtagatcca 96480

gcaacttgtc cttcacaata ataatagttt caataataat tcatcacgta attgttgacc 96540

acctctttgg atgatactgt tgaatcattt tgacaattta aaatcatttg ctggtgcaaa 96600

gtggaatatg ggttttcttt tttgtaacag gagctaaatt tgtctgtaga tatgccaaac 96660

cctaccaag ttaggaactt taactgtcac gtgccttttt aaacttttct ctagtctgt 96720

ttgatccaac aaatccctaa ttagaagcat aatgtgtgtg ggtaaagggt taacaaaata 96780

ttttcccttt ctcccttaga atctgatctt taattcactt tctagatcta ttcccttgac 96840

aacctgataa aggaagtatg tcaaatatgc taataggcag gattgcttgg ggtaaaaata 96900

aactgattgg ctaattgtat gtggagtgag aaaaattata aataaatgat aaatacctga 96960  
tagggatact atagcttttag actttttgtga ctggacatgc ctttttcaga gaccacagaa 97020  
gccctgccta tggagttgtt acaaaagata ctggctcctg tgggacatgt ggtttttaaa 97080  
ccaggggaat tticacagct gctctgagaa tcattctttc atagcaaaga gaaagcaaag 97140  
agtatagctc ttgtgctgca gcaaagactt caccatgcac tgccgtgagg gctagtcca 97200  
cagaagagta ataactgaca ttgccctgct gggcaactaa ggttcttctc ccatatgctt 97260  
ctaagcaaat ttgatgccat gtgtaattta tgataatctt gtgagtctaa ttatttaata 97320  
  
taactgctat gatttgttgc gctatgattt gttatgaatt gctatgaatg tgtcctccaa 97380  
agttcctgtg ttggaaactt aattttcaat gcaacagtgt tgagaagtgg gacttttgag 97440  
aggtgggact ttttaagaggt gattaggtca ctatagcggg agtgggtag ctatcacagg 97500  
agtgggtttc ctccccctcc cctctctcat gcacatacaa tcttttgccc ttttgccttc 97560  
agccacagga tgacacaaaa agtaagctct caccagatat gggtcctcgc acctcggatt 97620  
tcccaggctc cagtactata aaaaataaat cgctgttctt tataaaatac ccagtttcca 97680  
gtacctgtt gtagccgcat aaagcagact aagaacctaa aaagaccccc tggccccccac 97740  
  
cttcagagtt tagggcaaaag taatggcaga taatagaata atacataagt aattaataag 97800  
catgtcagga ggtttcttgt tgccttttta acacgcctca tgactaggct cctagtgtgt 97860  
actgaaccta gtacgataac catatgcttg acatatagta gaactgaaga atgttttgtt 97920  
gaataaatta agcaattaat taattaatga gtgaatgaat gaatgattct aaccaatata 97980  
gtgaaaaaag gaagctagag cttcagctct caagtctcat ttgatcctaa tccagctatt 98040  
cagttgcccc agctctgccc tatgtttgat tccgaagcaa gtttcttgat tctctgccta 98100  
acatcttgtg ctggctaact tccacttgca cctccagatc tcctctccaa cttttctcca 98160  
  
gtctactctg tgtccaggag gctgggcagc atggaactta tcaacagact accttgccct 98220  
ccagcttctt gtctgaccaa caaaggccac aataagttat tggatggaca gtaggacagg 98280  
agatgaagta ttactctctc cagctcccta cctgtgttgt gaatcagggg ctgcaaaggt 98340  
cacagctttt gtgatatgac cctctccaca ctaactatca tctccaggtt tcaggagtca 98400  
ctgtctgtca ccatgtcagg tgtatgagt gtggtaacag cttcttgttg ttactttcct 98460  
caggagatca cattgtccct tgttacttct ctatatcctg tccacatgtt taaattagtt 98520  
cttttattag atattcctga aattgcaaaa tgtaagcatg atgtttcttt aagatcctca 98580  
  
actggaatac cttttcttta gctatttttc aaatcttttg caatatattt tcctgctact 98640  
aatgagtcta cttggttcaa ccaccagcca tgaccacca ttggtgctcc tgtttctcct 98700  
agaagtatga tgataaatat tatttttctt ggtctaactc agctggaatc gcctttaacc 98760

cttagtggttt cctcattgcc ctccctccaa caagaccttg ctttactttc cctgggtccaa 98820  
 actaactgtc cctcccttat agccactgcc acttatatac tggcatgaca aatagggtatt 98880  
 aatttttgtt ttggagacat aagcaggata tagttgaaag aacaaagcct ttaagtctgg 98940  
 cttagtgagg gtttgaattt caatttgacc actttactgg tgcctgagta agttgacaaa 99000  
  
 actctctgag cctctgtttc ttctgcaaat taggaagaac aagacctatc tttacctgtg 99060  
 aggttttttg atagacactg aaaatatgca ttgatatattg gcacacaata tgtgctgaaa 99120  
 aaatagtggg agactatatt attattgata acatcattgt aacccaaaca cattccaact 99180  
 aaggaatcat ttccaaaggt ccattcagct aaatagagag gcattaaaaat tctcttttagc 99240  
 tgcaaaaatc tctcattgct aatttctctc atatgaattc acaataacaa attatcacca 99300  
 ttattgggta tagttgttgc ttaaatagaa aatattttct tgtttctagt tactgcgaat 99360  
 ataaagagca gaaaagtatt atgttccaga attttattat tttatttctt gcttgtatta 99420  
  
 aaatgtggtt taattttgaa atttgaagt aacaagaaaa tgttatatta attccattct 99480  
 ttccctatc aatgcaacat actatgacag ccttcattgt gtataatttt cctttaacat 99540  
 taaagtattt ttttgtaaag ttgccaagat atctggcaca gttgccattc caaattaaga 99600  
 atatggtctt tcaaagtga aacattcaca gagttaaaaa aaccttcaa ggcaaatgaa 99660  
 tttcacacca cccaagaaca agaagagaca tgatacttct gtttaacttc tcagcatgca 99720  
 ttagacaaat ctttaaatag cccactaac tgaatcagcc ttataggctg aatagctggg 99780  
 aggttgtgag ttgcaatttg taaggctgcc agaaaagact tcttaagtct tctccctttc 99840  
  
 tagtccccc caatgaagtc tgaagctcct ttgataataa tgaagcctgt catcttctaa 99900  
 ttagaaataa gtttaaatg cacaaagtta ttaaaactaa tttacagtga gatttgtttt 99960  
 tgttttttcc tgattctgat aaaggactat gccaggaggg aaactgaatg gttgagaaag 100020  
 aaaagacggg caacctgaa gacaaacatt gtcaaattca catttgtgcc taagactaac 100080  
 ctgacacca tctcttcattg atttaaacag aattcattaa tatgtttctt tctgctaaat 100140  
 tatgtccctt tctctaggtt ttgatggcc ctggactttt tttttttttt ttttttttgt 100200  
 ggtgggggtct cactctgtca cccagggtga gtgcagtga gccatctcag ctcaactgcaa 100260  
  
 cctccgcctc cggggttcaa gcaattcacc tgcctcagcc tccaagtagc tgggattaca 100320  
 ggtgtgtgct acgacacca gctaattttt gtatttttgg tagagacagg gtttcacat 100380  
 gttggccagg atggtctcga tctcttgacc tctgacgta cctgcctcgg cctcccaatg 100440  
 accctggaat ttatatgggg atcctgagcc tgttcagaag cattcctttg cccaacagcc 100500  
 ttaaaaaagta ttatgatatg ggccggacac agtggcttat gcttgaatc ccagcacttt 100560  
 gggaggcagg tglatcattt gaggtcagga gtttgagacc agcctgatca acatggcaaa 100620

accccatctc tactaaaaat acaaaattta gcctggcatg gtggcaggca cctgcaatcc 100680  
  
 cagctactca ggaggctgag gcaggaaaat cgcttaaacc tgggaggcgg aggttgacgt 100740  
 gagccatgat catgccactg cactccagct ggggtgacag agcaagtctc catctcaaaa 100800  
 aaaaaaaaa agtattatga tatggattca ctattaaacc ccaaagtggc ctgccaagtt 100860  
 atggaatctg tttgagtaac catttatata acttgaagtg caatggcttt ggtgaaagag 100920  
 aaaggaaagg gtttttcatt ttgctttgtt tcgggcagta agagaagaga aagagatgta 100980  
 aaggatagga aaatgcttag ggtcccattht aaccctcag gatatttgaa gcacaaatcg 101040  
 agagccacat taagtgtaga agctggagaa tctactttta ataagttttt ttctgaagtc 101100  
  
 ctgcccacaa gcagtgtctat ttcaatgtca aagtgcacagc atgccacca ttgttgagtt 101160  
 ggggttcatt accgcttctg catgaatcct aggcctgctc tgaccttgag gattaacgac 101220  
 tttccaagc agcaaggaaa aataccttta acacagacat cagcatthtc gcatctaaca 101280  
 atatagtthc ctataaaca gagatattgg tatgggaaag gtggaatcaa aaaggaagaa 101340  
 ctggcagaaa tttggttaac ttgtttggca gataaattca aaagaacatg tgacgaactt 101400  
 tgtgaaattht cctgaggtg ctactaggt gtaagaaaca acagaggaag agaggaggaa 101460  
 tatctggtta atggaggctg gatttcagtt tcaccaggtt aaactcctgt gagctcccaa 101520  
  
 gatattgtaa ataagccaat cacagtaaga tttggttttt ctggagtcaa aaggccttgg 101580  
 tttcaatac ttgcctacta cttaatagct gtatgacctc ggcatacaga cagttattca 101640  
 acaatcagta cttccttttc ctcatctgta ttaatagtct ctacctaca gtattgctgt 101700  
 gaggtttgaa gggttaatgc atgcaaaaca gactactaac tggcaataat atttgagtgt 101760  
 tataatttgg ttccatttgt acaaacaggc tgggatgtca gcatcctcta agccaaatag 101820  
 atatttcta ctttctctac cactacaagt caattagagt agcaattggt acacatcata 101880  
 aaaatatcca ttcaatcat gtaaaaataa ataaataaca gaagaaactt atttgatact 101940  
  
 tgattgagaa gtatgcatca ataatatctc agtgaatcat aatgaacca gaattttgag 102000  
 aagctttatt atgtttgcaa ctctgaaatt cagttaatcc tcttaagctt tgaatttatt 102060  
 actaaatcta catctatata accatctaaa caaccagacc taggcagtat aagatattaa 102120  
 aaatataata acacatcaag tagtgttata taatattata taatattttc tgcaaaatta 102180  
 cattttatta tatatagata tgtatttatg tatthttctt tgggtggtatg gatgtgtatt 102240  
 ggtggtatag atatgtattht atgtattttc ttttaaatg gagtccagat ttatttcagg 102300  
 agccaagctg tatgaatcat tttgtctctc agcacaagct tctatgctga ctgattagat 102360

gaaactaatt aacaggtgtg ttattcaaat gtaaatgaca tgcaatcatt tgaaaatgaa 102420  
 ttaatggcta caaaataaat actgtcctga acagaaaagt tcacagaagt tattatttta 102480  
 gcatagattt cccacaaata tttccatttg attatggaaa aataaaattg ccttccttca 102540  
 ggtttgtaaa tagccaaaat aaagtttcta acaaagcgtc agaatacaaaa gccacgtaaa 102600  
 tgtaattatt tctatttate cttgtcctcc taagcagtaa ctccagctgt gccaaaggctt 102660  
 tcatgtcttg tgtactcctg taagctactc tgccccctca agtacaagat cagccacttg 102720  
 gaggtctaga aatactactt gctttgagac ctacaggacc aaatccctct gccccaaatc 102780  
  
 ctccattggc ttctcaccct gagtaaaagg caaattgttc acaatggctt ataacatctt 102840  
 aaatgatctg ttcctgcct ctccctggcct catctgctgc cattctcctt atccccagtt 102900  
 catttatgtt gacctcttg cagtctctcc aataagtcaa acacacaccc gtttcattgat 102960  
 ttttgcaactt gcttttcaact ctgactggaa ctctttctcc tagaagctca catgactggt 103020  
 accccacttt catcaaaactt ctggicaaac aacaccttat taaagtggcc ttccatgatac 103080  
 tcacttaaaa aaaaattagc aaacacctatc tctacctca gcactctccc ttctcttctt 103140  
 gttttatat ttatccatag acattgttaa catctaaca agtaaagcat atctacttat 103200  
  
 tcattacttg gctcgtctta ttacaatgta aattatttgg aagcaagtct ctctattttc 103260  
 tttttagtgt tttcctaaca cctagggcag tggttggaac acaggatgtg ctcaggaaat 103320  
 gtttactgaa agttatgcat tggatcaata acacagccta tgtgaaacta taatggacat 103380  
 gltgtgacat acatacacac acagagagac acaaatctct cccatcacct accttttgtc 103440  
 atctctttaa atagccacat tatctacca gttgctgaag cagaaaattt acatgtgatac 103500  
 ctgggttctt gtcttcccc atactccaca taggattctt cagcaggtca tgtccactct 103560  
 accacaaaga tacacacat cttctacca tctttactgt gacatcttga ttccaacctt 103620  
  
 tatcatcttt cacctgaatt ctgcaagag gctcctagtt gctttctatc tcagtcttaa 103680  
 tgtccacaca gcaaccaaat gacaattcta aaccataaat cagagcatat cacttccttg 103740  
 cctccctggt ttctgtctgc aactggaata aaacctaaag cttttatcac aggtctctgcc 103800  
 ttgatgggtt ttcaactgcc cctcaggtct catgccctc ggtcctctac tgttactct 103860  
 acttctctca cactgccctt ctttctctct ctggaacatg caaaactcat ctccacctag 103920  
 gttcatttgc atttcatatg atttcattt caaatactct ttccccagat ttcatatgg 103980  
 ctgccttctc accattcaag tcttaactga aatgtggttt cctcccagag gtcttcttg 104040  
  
 acagttctaa ctaaaattac tggcccagtc ttgtacttt cttgtatatt atcccatttt 104100  
 taaatgcatc atagcatgta tcagtatgtg aatgaatgaa taagtgaatg aataaattac 104160  
 aaaaattgtc tctccactc tctcagcagt aaaatatata cttcttgaga aacgtgacta 104220

cttctgtgtt gtctccatt acattcctgg tgcctagaat agtgcccagt acatggtatt 104280  
acataatcgg taatgatttg ttggctgact tcataatgct tactaacatt ttttgaatga 104340  
ctaaaatgca cttttctggg ctcaaaatat tgaggctata tgaagggtgaa agtaataaat 104400  
accagtacca tgagataaaa agataagtaa ataaacgatt gcctgcaatg tgatattctc 104460

agtgttcttc tccacacttc atagacacaa actacataaa ttatttgaac ccactagtct 104520  
attagaatga gccattagcg tgtgtagtga gtacattgcc ctgtcattat gacatatgcc 104580  
taaactcctt aatgtttttg gtttctgtca ttttgataaa ttcaaatttc tctttacaag 104640  
actcactgct tcagatctct tcttccagtt aattcaaatt gcactcttcta aaatcttccc 104700  
tttttatcac catgactacc tcaccacact ccttaagtcc ttcctctggc ttcctaagtc 104760  
ttaataattc aattcagaaa gtgcttgagt gcctaccaga atgcacagtc tgtacatctt 104820  
gtctcagccc tcaaggccct gcacttttac acctactctc tcgctctat ccagcctcct 104880

tcatttatta attcacatta tttttcttc cctgtctcta ctcccacttg gagagcattt 104940  
ccacttcaaa tactgcagca ctctattcct acctgctctg gcaaacacaa atgtagccca 105000  
tttaaaatg attttctaga taacaaatca cagattataa gaaagcaatt aaacctcatc 105060  
ctaatacaaa attgcttgct actatgacaa caaattcaat atttgggtgc actccttaag 105120  
aaaaattata atagcaaggt tctgtataa cagtaataaa gatacttagt aaaaaagttt 105180  
tgattaaaag acatttgtgc agtgagcaag cattttatcc ctgagactgt tttcctgtga 105240  
attgtatatt atagtccaaa aattctgaaa ggtgttttga agatgttaca tctatttata 105300

acaaaaatc tccattttta ataaaaata caaatattat gattaaatat cttaaatttt 105360  
tcaagaaca tttttcaaaa actttaaagt attttaaaag cattacacaa ttttaacttat 105420  
tccagcatcc atttaagcac agaaattgaa tgcaaaatc tattatgttg taattcaaac 105480  
cggaaatttg ggatcttact gttcaaaagt tgcctcagcat tctaacacat gaaataaaga 105540  
gattagtttg acttataaga ctcaacattt tagtatattt cttgggaggt aattttcgtt 105600  
tactctttac ctaaaacagg aaacagtga gaaatatgag caatgaatga aaaaaaatgt 105660  
gtgctatttt ttttaatttc ctteccaagt acaaaacaaa gagaaaaaat gaataagtac 105720

tatatctaaa tgtggagaac actgttgtaa attttacagt ctcaatcaaa attttagtaa 105780  
ggcaaagcgc tatcatagtc taatgtaact agaatttttt aattcaagta aaattgacat 105840  
aaagtgaac acacaggcct taagtcatga tttctgatat ctacatacac cctgtaacca 105900  
caacccaat aaaaatgtag aatatcccag atgttaaccc agaaaattcc caaatatcca 105960  
ttctaggcca tccccacacc tccaaagcaa ccactattct gaattttatc accatagatt 106020  
agttttacct gtcttgcat ttcataaaat ggaatcatgc catgagtact tttttgtgcc 106080

tggctgattt ttctcagaat gatgtttttg agattcatgc atgttgcaga tcgcattaat 106140  
  
 agttgatgaa atatTTTTta ttgttagtat ttctctaaat gaataacta tagttttattc 106200  
 acttcttgtt gaaatttggg gttattttca gttcggaaaa attataaata aagctgctat 106260  
 aaacatttac atacaaatct ttttgtggac atatactttc atttctcttg gatcataagt 106320  
 agttaggagt aaaattcctg gagcagaggt aggtaaatgt taatttaata ataaactacc 106380  
 aaactgcttt tccaagaggt tgtaccattt tatcctcctc ttggcagtat ttgagagctc 106440  
 cagttgctcc atgicacac caacatttaa ttcgtcatt ttttcattt tagacattct 106500  
 agtgtgtgtg atatggtatt tcattgtggt ttttaattgc atttctctga tgactaataa 106560  
  
 tgttgggtccc tttttgagtg catattggcc atttctatat cttcctttgt taagtatctc 106620  
 ttttaagtcct ttgccccatt tcttcaactg gtttgtttgt cattattgat tcagaaatat 106680  
 tttattttct atcagcaaat tcagtttttt tttttaaga aaactttaat aattttttcc 106740  
 acttttattt tagattcaga gggtagatat ggaggtttgt tacctgggta tattctgtga 106800  
 tgctaagggt tggggtacaa atgatcctgt gaccaggtg gtgagcatga tgcctgtatt 106860  
 agtcactct cagctgcta ataaagacat accctaaact gggtgattta ttatgtaagg 106920  
 gaaagagggt tactgactca gttccacagg gcttgggagg cctcaggaat ctacaatta 106980  
  
 tggcagaagg ggaagcaaac acatccttct tcaaatggca gcagcaaaga gaagttccaa 107040  
 gcaaaagggg ggaaaagccc ctataaaaac atcaaactc atgagaactc actcactatc 107100  
 ataggaacag cagcatgggg gtcactgcc tccatgattc aactacctcc cactgggtcc 107160  
 ctcccatgac atgtggggat tatgagaact acaatttaag atgagattag ggtgaagaca 107220  
 cagecaaacc atatcaglac ccaacagcta atttttcaac ccttgcccc ttctctcccc 107280  
 ctcccacttc tagtagtgc cagtgtctat tgtggccatc tttatgtcct tcagtaccta 107340  
 atgtttagct cccactttta agtgagtaca tgcggtatit ggttttctgc tctgcattg 107400  
  
 attcacttag gataatggcc tccagttgca tccatgttgc tgcaaaggac atgatttcat 107460  
 tcttttttat gactgcatag tagcttagga atatTTTTta cgtattctga aaacaagtcc 107520  
 tttgtcaaat tcigtattgt gtgtaccttc tcccagcatg tggcttgctt ttgcatcttt 107580  
 ccagcactat ttcttaatga gcagaacct taaatgttga tgaagactga ttactatat 107640  
 ttttctcctt tataattaat tctctctaa aaagtttatg cctatctcaa ggtaaaaaat 107700  
 atatattatt ttttctaaat gttttatgat tttagattat atgtttaagt ctatgatcca 107760  
 tctcaaatta acttttatat ggtataaagt agaggttaag gtttttcat acatttatac 107820

tcagtttttaa gtgaaagatt ttgcccagaga aacataaaaa cactagatat ctaagatcag 107880  
 cacttcaaaa tcaattcttt tcaattacac ttgcccagcc tttttattgt cattgttgtt 107940  
 gcttaatgta actcttgtct gtataagaat aacccaaaca gaagtgggct aaaaatggtt 108000  
 cataggtcta ggcagggcaa atcacatgac atttgcctgt aaccaaattt caccttttcc 108060  
 aggagatttg ctggtagccc aagccatagg aggtctcata ggaagatctc acacatcctg 108120  
 gagtctgcat gcatgatgag ctaattacat catctgtctc tcttataaaa tgcactaggc 108180  
 taggcaaata atttgatctt ctatccagac atccacatta gcagtcattc gcaaatatac 108240

agctgcccatt tctgcatggc aagtctatgg cacggatacc agccttcttt ttaataaata 108300  
 taccacaatg ctgttttgca gcacttttta aaatgctaca aaataaaata aggaaaaact 108360  
 aaggtgacaa catttaatta tggaatctca ctattttacc atttttttga aatctgcaat 108420  
 ttcttttttaa tatagggtac atacacatca gcattcttgc ttcaagaaaa tcacaaagtc 108480  
 taacgtaata aaaagaaaat aaaggctatg tgagagaaga attttatctt gctcaaagca 108540  
 aaagcctaac aaaagaaagg caattattct gaccagttaa caaagccaag agaaaagcca 108600  
 cacctgttag ctaaatacaa aaatcctcaa aatggttcat acccctcctt tctctaaaaat 108660

cctataaata aaatcaactg ggaaataata gtaaacaatgt ttcatTTTTag catggatatg 108720  
 aactagctca tggcctcaca gaagtcaaaa aggtatttta ggagaaacca gtacaaaatt 108780  
 ttgttactgg tgcctattat ctccagagaa tatacttacc accaagagcc attcagtcta 108840  
 acttaccgta atacataaaa cggcctggta gcatctaggt ctgctttttt attccacttc 108900  
 tctacttate aaacagcctt actgattaaa ttcaatgagc agtaggcaca atttttgatt 108960  
 tgtctactgt gccattgttt ttcatTTAata ccctccctc atactcctt ctattaaaaat 109020  
 aacttagggg gtaaagcatt ggtgcttttc cttatagtTg tgagttgcaa tttatgttca 109080

agagcttttg tgtcttacct attaaagaga agaacattag aaaacttttag cattctaagc 109140  
 atgatgaatc tctaagtTtc aaattagaaa agtcagcatt tagagagcta ctagtTtcac 109200  
 tgatttttat caaaatgtga tattcttate ttgaatcaat actatgaaaa ttcttgtttg 109260  
 aaaaatagtt cacttaaaat ggattttatt gatttagcta ttaaagggtg aaatacattt 109320  
 cacaataatt ataagttaga aaagtaaggg gaaaacacta gtcttcataa aactgaattt 109380  
 gtcttaagct gaaaatgttt aagttataat aatctgagtt ttacttgag ataaatctat 109440  
 taatatctcc caagattgtc atataaatta gactttctga gtaataagat attaatgtca 109500

tatgaaaata cttttacctt taccatactg gattttgata caacattatt ctaaagtatt 109560  
 tcagaataag gagctaattt atcatttgtg tgagtttttt tccaggaaat ccaaatactt 109620  
 ggttcaaagt gatatagaca aagaataaaa attcagcaac cagaagtaat ttaaagtaat 109680

tctaattcct aggtgcatct cttggaaaat gttaaaagag atctaagtga taatcttttt 109740  
 ttttctatt ccaattgatt gccaattttc cccacacctc agctttctcg cctctcactt 109800  
 tcacccctct cccctaaacc tectttecta tcttgctttt ctcttgacgg gactttactt 109860  
 tcttttccct ctigctttat atcctctgct attctctttt tttctcaaga caaaatctcc 109920

atgcatttat ccatccttaa ttctattgtt cagcctctaa agatgatgcc aatctgcatg 109980  
 gtaaaactgat taggcagagg aacagaggaa aacctgtctc ctcacacatt aataatttct 110040  
 gtccctgtta cacacatctc acctctcttc aagcagtcctc aagatatttt aaggctactca 110100  
 taattacagt cacctcacag ccaacagtta cctgtcaatc aaacttgaca gaaagactga 110160  
 gattaagcaa ttttctcaat taaatggaag ataagaagga atttggttta gggctctgac 110220  
 tcccaaatta aaatattttc ccagtgaataa caaagcctct ctaaggcttt acatatataa 110280  
 gcacacttac tcattctcag aaccccatc accaggatga ataaactgtt gtcactacca 110340

aaataaagga tcttgattaa aataaagaaa attaaacctg tgacaatgac tttgtgcagt 110400  
 cattaaatgt gtaacaattt attcacagga taaatatgca attctgatca tgatgggctc 110460  
 ttaaaagaat ttttccaatt atattttata ctgcctaata aataagcaaa aatgtgaaaa 110520  
 acattatctc aacatctatt taggaaataa gattgtagct aatgttgtgt aaaatgcaag 110580  
 gtcactagat gtttcttgc tacaatgtaa agaagatctc aactcaaat aacctatata 110640  
 atttttcaga ttaaagtga aatttgtata aggaaatgat gtagtccact tctagcgaat 110700  
 gaccccaaat acttaattct acatggctca taccaggaat attaacataa aatcatattt 110760

tatcaacgta gaagacccaa aagacagcaa atatcagaga aaatttcacc agcctatgaa 110820  
 aaatgagtgt agtgttacat ctgccccagc ctaaagatcc taaagtcaaa tatgatttta 110880  
 ttagtttggg gcaaacataa ttgtggtttt tgctactact tttcatggcc aaaaaaaca 110940  
 cacaattact tttgtccaa cctactacca ctagaaaata tgtatgaaaa tagaagcata 111000  
 caaccaataa tatgtgttct agtttccaaa gtgtaaaaat atatccattt tgagttttag 111060  
 ttaaaaaacc acctctttca ggaagcttcc catgataagg ctaaaacatt gttccatctt 111120  
 attaatctc aatgtttcta gcattttatt tatatttgat ttggtattta aatattgctg 111180

gcagtcaatg cctattttac ttctttaaag tcatacaaat ctataaggct gtacatgaat 111240  
 agcagccatg tctccctaaa ctttgtaaat tcttatatta atactagaat ccacaagttg 111300  
 ttaataaagt attgtaacat tgaaaacata cttttgatct tcaactgtgt gaaacatttt 111360  
 taacactaac tctgaaaact gtaaatattt ccagcagaaa ttttgtgtcc tatattgtta 111420  
 gttttttgtt tctattttgt tgggtttata ttttaattcat atttatattg tttcctttct 111480  
 ccatgaatca gtgctcttct acttctctca gattatcaca caatgtgtct atattttcct 111540

agtacctatc ttiactctca tggccctga ccactagctg tttcaaatta atttactct 111600  
  
 tttcaaacct tatgcccttt cctactaact ttcatttctc agaaaaccct tccatctcat 111660  
 cactcacaga gaaaatagaa tccatctgta ctageccgcc atatctgtag ttttaagctgc 111720  
 tgaacaaag agaaccat gtttaaaaaa aagatacatg cttgcttgct tctgacagaa 111780  
 cagtgcgaag atagataagc agtcactggg aagattatca aaattagata ctttctagc 111840  
 tactgtttg gacagtctaa aaaatcacia gtcaaccttg actcctcttt ctccttctt 111900  
 gccacccat caacacgta atcattaatt atcagtatct cctctgcatg gctaaagata 111960  
 acatgtacag tggtttttac tgattgaagc acttcatgtg tattgactcc tttattctc 112020  
  
 ataacaatgc tgagtgtctg gttctatcat tatctggttc tatcattgtc tggttctatc 112080  
 attatcacca atttagaaaa gagatactga agcccagaaa ggctaataaa cagccctgca 112140  
 tcacaatgct agttaagtgc cagcaccagg atttgaccc aaagtctgtc tatgagtcta 112200  
 tgtatagtct taacccttaa ccattgctat aaactgcttc tttatccata acttcaacat 112260  
 ctctggaagt tgctcacatc tcaccaatag agttgagacc atatcatctc ttcctgtgt 112320  
 gaagagtgtc ctcttacttg tctctgagcc tcttctctct cctctccaac cagaaatatg 112380  
 ttggatcctg ctcataccag ctctctagca ccaattgtga ccacttttt tttttttta 112440  
  
 gacaaagtct ggctctgtcg ccaggtgga gtgcagtgt gcaatcttgg ctacacagca 112500  
 cctccgactc ccgtgtgaa gcaaaaagtgc caaaaagtgt ctacaaaagc atttaatttt 112560  
 gccttttgc cctgtctgcc taatggcttc tctctactt ccctattacc cactgggggg 112620  
 aagaaaaagg aaataagggt ttatagacat catctgtggc atatcctggg aaagaaactg 112680  
 agttcttttt atttttatga tttctaatat attaatgtta aaattaaaat ccagggtctc 112740  
 agtgttccat gttagctctt agcagtata atctaataaa ataatttaa agctaataa 112800  
 acaagcttaa attgatgct tggattactt tttaaagtgc ctaagtattg agataaaaac 112860  
  
 taatgcttat gtgactagat ggttaagcag acagtaactt ttttaagtg ttaagtata 112920  
 tttgcaagca aagttacaca gagtaagatg ctttaataacc agtgttactt gtttctagtt 112980  
 gataaatcta aaagcattgc caggatgggt gcacatcaaa cattggctta ttatgagtat 113040  
 glaattgtat tattttccta ctttagcca catctccact atcaaccatc taaatttaat 113100  
 tttgttaaca aacggtttac caaacattaa caatctatgc tatctgttga aggcttggag 113160  
 tagatgttac cttttttc aaagaaaaaa caagcacaca caaacatgga atactactcc 113220  
 taaggatgca aaaaattaag gagaaatttt agatatatat cacaagtat aacatcatga 113280

tgtttttaaa taigtacctc agttataagt aaaacataca aaagaggatg ggcttacaca 113340  
 gggacaattg ctaaagggtt ttctataaca atactttgtc tacatcacta ttttggcatg 113400  
 ttttactcat atcaaaagac agacgtacaa tcttaaatat ccaagattgt ttcacataaa 113460  
 acctaggcta atagccaaat tggctcgaag ttcttactaa caaatgtagc tttcaaaaac 113520  
 aacaaaagaa atggcctgga taccatcaa gtagacagaa tttattctaa ttcactaact 113580  
 ccctagtgtc ctagtacatt ttgtattaga ataaggattg cctttggcta tggagtctac 113640  
 tccaaaatat gaacatagtg gagcaatcat ctccactta gcttattata catcacaggg 113700  
  
 aacgttagtt atgtgtagtt taaggaaata tgttctgaat cacagtaagt gactgaaagg 113760  
 caaaaggagt taigtctagt tcagggatct atatgagttg aaggttctga aatacagcaa 113820  
 aaccgcctag taaaaaaaa gaataaaatt tactaaatat tggaagtgtt aaatcaactg 113880  
 aagtttcaaa cagaagcatt aacctagcaa ttttttaaaa actaaaaata aattactaaa 113940  
 aaataaacat atagtcacct taactgagtg atcaatgtta acatcactag taatatgaca 114000  
 tatcaatgtt atgtactccc tgatagaata cacaggaaaa agtccttccc ccaaattcat 114060  
 aacctcaatc aatcataaga aaacattaag acaagtccaa atggaaggat gatttacaaa 114120  
  
 ctacctgaac aaatgttaaa agtcacaaga gacaaagaaa gacaaaggat ttatcacaga 114180  
 ttggagggga ttaaggacat ggtaagtaaa cacaatgtgg gattctggat caaatcttga 114240  
 aagagagaga ggacatttgt gggaaaactg gggaaatatg ttaaagttca tcatttgta 114300  
 atagtaatgt ctcaatgttc atttcttttt ttggccttt catggttatg taaagtgtta 114360  
 acctttgggg aagctgggtg aagaccatgt atgggaactg ttcattatct ctttgtaaat 114420  
 tttatgtaag tctaataatta tgacaaaatt aagttttgaa agtacataaa tttatagtat 114480  
 atggagaaaa acagaaatgt gcacagttta tcattataca aaacacacat ttgatggccg 114540  
  
 tcttattgat ttgttgtttt ctctttgata tcttgttttc ttttcttttt tatcttctaa 114600  
 gcctctgac acttatctta gtcaagggtg agcagataga gaagtagca catcctgtag 114660  
 cctgaaagcc tagcttcaga ttctatttct accacttact gtgtgatgtg gggcaattaa 114720  
 attaaacttc agtgcccagt ttctttatgg tacaacagg agaataata tetgccacat 114780  
 agagctgttg taaaaataaa tgagttaata tatgcaaagc atatggtaga gcagtgtgtg 114840  
 cccagagtga gtaccatttg acagaaacac cagaatagtt gaagacagag tactgtcttt 114900  
 tacttcagaa acaaagtggg acagctgttt ctctcccttt gctctcttgc tgcaatgaag 114960  
  
 ctgacattac tagggggggc tcaactaacc aaacactccc aattggaatt tcgattcctg 115020  
 aaaggataat gagtgaaggg gcaaatagc agaatacagg aagcagaaaa ttcctcactc 115080  
 cagcattcta gccacactcc ccgcaagtgg aaatcaggct gtgagcttct ctgactacgt 115140

tgtttccgc ccatcttcca accctggatc tccagtgtc ctgcagctct gtgagccatc 115200  
 atatgtctctt ccaacaaatc tctttattcc ttaaattaaa aaattaactc aaaatggatt 115260  
 aaagacttaa atgtaagatt tcaactata aaaaccctag aagaaaacct aggaaatacc 115320  
 tttcttgaca tcagccttag caaacaattt gtggctaagt cctcaaaagc attgcaacaa 115380  
  
 aaacaaaaat tgacaagtgg gacctaatta aagatctgca gaagcagagc aaaagaaact 115440  
 atcaatagag taaacagaca acttacaaaa taggagaaaa ttcacagact atgcatttga 115500  
 caaaggctca gaatctctaa agaatttaaa caaactaaca agcaaaaaac aaataacccc 115560  
 atgaaaaagt gggcaaagga catgaacaga gactttctca gagaagacat acaagaggcc 115620  
 aacaaacata agaaaaaaat gctccacatc actaatcatc agagaaatgc aaatcaaac 115680  
 cacaataaga tactatctca tgccagttag aatagccatt attaaaaacc caagaaataa 115740  
 cagatgttgg caaggctgag aagaaaaggg aactcttata cctgtttgga ggggaatgta 115800  
  
 attagttag ccagtgtgga cagcagcttg gagatttctc aaaaaactaa agatagaact 115860  
 accatttaat gggattactg ggtatatacc cagtggaaaa taaatcgttc taccaaaaag 115920  
 acacatacac tcatgtttgt tgcagtaata ttcacaatag caaagacata gaatcaacct 115980  
 aggtgcccac caatagttag ctggctaaag aaaatgtggc acatatacac catggaatac 116040  
 tatgaagcca taaaaaaaag aacaaaatcg tgtcctttgc agcaacatag atgcaaccag 116100  
 aggcactat cctaagttaa ttaacacaga aacagaaaac caaatacctt atgtttctac 116160  
 ttacaagtgg gaactaaaca ttggatacac atggacataa agatgggaac aaaagacact 116220  
  
 tgggactact gggggaagga ggaaaaggga ggcaagggtt ggaaaaccac ctatagggtg 116280  
 caatgtctac tacctgggta acagtttcat tcatacccca aacctcagca tatacaatat 116340  
 accctgtgac aaacctgcac atgaatcccc tgaatctaaa atagaagttg aaaagcaaaa 116400  
 atataaataa ataaataaaa tgtcagtttc tgttatttgc aactaaccac aacctgctg 116460  
 tgtttatctt aataccaata tcccataacc cagtttctaa agtctcagag gaccaggcat 116520  
 ggtggcttag gcctgtaatc ccagcacttt aggaggcagg cagatcacct caggtagga 116580  
 gtttgagacc agccaggcca acatggtgaa acctcatctc tactaaaact acaaaaaaat 116640  
  
 tagctgggtg tgggtgtgca cacctgtaat gccacctact tgggagactg aggctggaga 116700  
 agagtttga cccaggagge agaggttgca gtgagccaag atcacgttca ctgcactcta 116760  
 gactgggtga cagagcaaga cccctcaaa ataaaaata aaataaaata aaataaaata 116820  
 aaataaaata ataaaaataa ttcttagaag agcagtgtcc ttaagttttg cttctgaaaa 116880  
 tgtggttcac agaccacact ttgaacagga atgaagcttg ttgagctggt gtttgagaca 116940  
 ataagctaaa gggaaaggaa atcccactgg aatgttggct cctttaggaa gagcacatag 117000

tctttcaagg aatgtcccat ttgccagaa cacaagtttt tcctagtctc gggattgaca 117060

gtaaacaag gtagatgtct attattcatg gagacttaat tgacttttat aataatacaa 117120

ctattgattg gactgatgca aaaaaaaaaat ggctcatagt ttgggtttgt ccttaagaca 117180

accactgca aatcaaacac tggattttca atctgtaact tttaatggat gacttttaat 117240

aagactttta tattagataa aggccatggc tatctttgtg ttccacaact gggaaaaatt 117300

taagaagatg gaataattat cgaagggact agattaaaat gtaaatgcta cattatttat 117360

glgacagaca agaactcagg agaaatttat tggcctttca agaaaaactc ttaattaaaa 117420

atttagatga tctgattata gagataagct gttgctcagg cttatatagg ctaagatttc 117480

ataagaaact acaaaacaat attcaaatag tgaatcattt gaatgcacaa gcagaaatct 117540

ccacaatgtt ttgigaattt aatgtgtaat ggacaatgtt tatgcatggc taatcaagaa 117600

ttcagaattc taatggagac ttataccatt gttatgatat taaaggttat tcccacaggc 117660

aaatatgtg ttttaatttt taattcatcc tattgtaatt ctgataattg cttgtttcat 117720

aactgtatta tggacttgct ggatatttag tcaactgcaa actagccaga aaaagtagaa 117780

acgccaatgg agatcattta aaaaattata ctgcaactat aaaatagtaa cagaaaagga 117840

aacttgtaaa ggtaaataca gatatttgag gaaaacaaac atataattta aaattttccc 117900

tggcaccaag aggggaaaga gtattctccc tgcgccct taggacactt gaagttttaa 117960

atgctttatc tgctctctg aggtgtttat aaatcttttt tgaaagctta ctaagcctct 118020

tgctagtctt acatcctagg aatgtatttc ctgaggttc agaggcattt ctttgaaatg 118080

ggaacatcca agaggatgga agtccccttg tttccctatg tctatggaat caaagtctag 118140

gcacatgctc cgigatgtaa tttctgtctt atcattaaga cacaagaggt tttattttat 118200

attttgataa agacaatgaa catgcatgta ataggttgta tctgcttggc tgtataaaag 118260

ggtgagattt cattccctct ttttcatctc cttagcagat catctgtaat gtgtgtcaca 118320

gtctgattta atgcttattc aataaaaaca ctattttgtt cttttctaca tttttataaa 118380

aaggattcac tggtttagca ggagttttat ttctaattat atttccttaa cccagcttac 118440

cagtaatggc gtataatggg tataattcct atagaagcta attaccctct ctttgaataa 118500

gccctggccc agttctggaa agccatgtag aatatgtcat tcaacatgag aagactgaat 118560

aaaacaaaac tcatctggaa aaccatgtag aatatgtcat ttgacaccag aagattaaat 118620

aaaacaaagc tgatcaatat aatctaccag cagtgtctggg cagcagagac acaaaacttc 118680

taaatagtgt gttcttttaa tgttaattca acagcactcc aatacaaaaa tagggcacgt 118740

aggagaaatg caatttcaac acacaagaga acagtgtcct tacgacatga taagacacaa 118800  
tgaaccgaaa acactttgaa ggatttataa tctggtaaag taaatttccc agaaggctgg 118860  
agctgtgcc aatttaactt attttttaca gcatttgggt aaagtgtga gaacactttc 118920  
agtgttccag gtgatgatgc tgacaaaagg gagtgttcat caggtttgac tgcctggata 118980  
catggtttta taaaatggag aaagaagtgt attcatgatg cttttaaag ctaaatagcc 119040  
ctttgatgg tgccttagt gcaggttatt aatgtaagac atttcatgt ctgtttttct 119100  
attcttgtat ataaagtgtg tgaaataaag aatatttctt acactgtgat ctgtagaaca 119160

ccagtgtccc atgagatgtt atctgtgctc catgtgggaa aaggggggtt ttcaagtcaa 119220  
ataaacctga gaatgttctt gaagttttac aatctagggt agcatattaa aggttatgag 119280  
aagccgcata ataaagaaac ccaattaatc agcacctcac aaattatttg agcatgaatc 119340  
ctctctctt ctcttttcaa caatttaata ataatagcta ttattttatg agcatttact 119400  
atgtatcaga cagttttata taccctttta catgtaatgc aatactcact gaatcctcac 119460  
aaaaactata tgaggaacat gctattatta tctccatttt acaataaaaa aaactaaggc 119520  
ttaaaagagt taagtaattt gcccaagaac acaaagctgt ggtagaggaa gaacttgcat 119580

tctggcaagc ctgactctag aggctccatt ctgctgcctc tacttctta gcagagagct 119640  
gcgcagtctc ggtccattcc ttgcttggga aaattgattc acttcagtta ttttcattta 119700  
ttctctgaa cgacttccat tctatgggtg gttggagtta tgttccctga ttttcatagc 119760  
tatcagcttc gatgtcatca tttcattgtc ctttctctct gtattttgga aatacttctt 119820  
ccacagagct ctgtgcctca gtttcttgt ctgtaggaaa ggaataatac taccggcctc 119880  
ataggttatt atgtttatta taaacaagat ctaaaagtga aagtcctttg aacagcagct 119940  
tgcacaagaa cccagtaaat attaatgatg atgctaata ttttatcag aattattgtt 120000

gtgtttgtca tcaactgattc tgtctcgaca gagagtcagc cttttcatgg atatagaaaa 120060  
cactgttctg gtaagagttg ggtaacagca tttgagtgc taaacatgca gtacatatgc 120120  
agtaggagga ttatgaatcc cttgtgagta ggtatagatc ttttaattctg tcaagggtt 120180  
ggagtaagaa aagaataaaa agtcttcata gctactctca gaaaagcagg atttttattt 120240  
ttgtccatga ggactatcca ttgccttttg cagtcttatt tacatggcct ttcaatgaat 120300  
gaaaaatcct tgtaatctag cagaagtaaa taagcaatcc tcatttttgt tcctgttgtg 120360  
gcttttcata ttttctgtt tttatattta aggtggaagg tgggaataaa tgcagtagag 120420

tagaccagta atgtgcta atttaacaaa atcatggaat cttaccttta aagaccattc 120480  
ttcagcaaaa tttatgtatt cttaatgaca cttttttttt tttagatgg agtcttgctg 120540  
tgttgcccag gctggagtcc agtgggtgtga tctcggtc ca ctgcaacctc tgcctccgg 120600

gttcaagcaa ttctctgcct cagccacttg agtagctggg attacaggtg cacaccacca 120660  
 tgccagcta atttttglat ttttagtaga gacggggttt caccatgttg gtcaggcagt 120720  
 tctccaactc ttgacctcgt gatccaccg cctcgacctc ccaaagtgt gggattacag 120780  
 gtgtgagcca ccgtgcctgg cctctaaaaa cacttctaag atgtctttct agttctttac 120840

gtacaactca gatagattta cctatctgaa cagagcaatt atatgagtgt agtgtcattt 120900  
 cattcatgaa ttttaaagaa gcctaacatc tatatagtta ccgtattaat cagcactctc 120960  
 cagagaaaca gaatcaacag gatatatata caaagagatt tattatagga attggctcac 121020  
 acaatttatg aaagccaaaa agtcccatga tctgccttct gcaaaaccag tggatataatt 121080  
 cagcccaagc ccagaggctt gagaaccagg gaagccaatg gtatgagtcc caatccaact 121140  
 ccaaaaactg gataaccagg agctccaatg tctgagggca gaagaggatg gatatccgag 121200  
 ctcaaacaga aacaattcc gccttcttct gcatttgtgt tccaatcagg ccctcaacag 121260

attggatgac tcccaccac attagtgagg gcaatactct ttacttggtc caccaattca 121320  
 aatgccaatt tcttcagaa acaccctcac agacatactc agaaatagca ttttactagc 121380  
 tatctgggca tcccttagcc taattaagtt gacacagaaa attaaacatc acagttacat 121440  
 gtatttttaa agaatgtgt aaaccaataa atcaaataaa ctatttgcaa tccttggcct 121500  
 acagagcaat agattatcac tggatagctt cttattcttt ggatctaaaa cctgggacat 121560  
 cattggattt ctacctaga gcagtgtccc tgaacaaagg ctttggggag gcaatctttt 121620  
 agaaactacc acgttattct catagagatt ctgttatttc tctctcccat cactaccag 121680

agaaccagcg ttactgaata gtaatgataa taataataat tacaataaac atgtgtagca 121740  
 ctgtctctgt gccaggcact gttctaagca ctttatatta ttaactcatt taatctcatc 121800  
 cttatagcaa ccagatgata taggttctgt tattatcttc attttacaga tgaggaaact 121860  
 gaggcagaga gaagtgagga aacttgteca aggttaaaga gctaaaagg gcagagttag 121920  
 taaatggcag agcagagatc cactcggagc agcctgactc cagagctcct gcctttaatc 121980  
 acaagactgt gcaaatgag ggcagtgtgc aatctcaag tacttcagga atgaggagag 122040  
 ggggaagggt gtcatcatct ctggagcttg aacacatcca tctccccacc taatagtagc 122100

ctcagctga ataaccctgt tagtttggtg atgatgcttc tcagtgtagc tcaagcctca 122160  
 cagaagagaa gttaaggct gaaccaagg gatattgaaa actgtaggt agagagcatg 122220  
 tttagcctg ttgggaaaa tgctggcacc gttaacagga attgaatc agatctctct 122280  
 gccttaaggg actttaagct gcattcaaga aaaaccagag tataaacatg ccatttcagt 122340  
 tcaatgagga aaacagaatg atttgcttga ggtgttataa gtggaaaaag gaggaacatt 122400  
 taccagccg ggtaaggaaa gaggatcatg aaaaaaggct taaaataaca aatccattt 122460

tctacgatca tagaccaata aatctagcat ttaccttta taaacaaccc aaaaaaacct 122520

tttaaatatg ttgtatctgc ttgtcattgt taaataaaaa cactgtaatt ctattggagg 122580

tgattctagt tticagtttt ctaagtacat attaattatg aactatttct atcaaagaat 122640

ctactcacia agtttttgtt ctttgtttta cttttgcaa aactgcacca tataaacttg 122700

acatgtgctc taaatacatt cttgctcttt tctgtatggt gatcttaaga atattcatca 122760

caagatagga aaacacagct gccatcgttt taggaaagaa atagtcatga gtaatgcttt 122820

aacacacatt tcaaagcatc aggcgttcta aaaatctcaa gagagtgtg acttttattg 122880

tccctatatg ttctaagcat catgcaactt tcattgttaa aatgcttaca ttaaaattac 122940

tccaataat ccatagatta cactactacia cataagtcta tttaaatcgc tactagaaaa 123000

cccaatcact accagaaata attcaagtta ggataatgtt caataatgtt ggtggatatct 123060

ggagtaaaga tacagcttag aatttgtcta aaagtctgat ctaatgttct ttcactgtta 123120

atattcttgt cataaaagtg tgacttactg acttgacca tcaaggcttc taaatatatg 123180

gaaagaaaat ctatatgtga aaacagagta gaattaagac gttacctaga tacagtcttc 123240

tgaggttacc actggagagg tgatgaccaa gatcaaataa attgagtaac atatggaaaa 123300

tggtatgggtg gagaaagaat cagactgcaa tcagtctaac taacgctagt tctgacttcg 123360

ttatcacctg cgaaaatagc accacctctc tggacctcag cttcaccatg ggtaaaaataa 123420

gacatttgac tagatgatca ctaatgtttt ttgttttttt ttaattttat tattattata 123480

ctttaagttt tagggtacat gtgcacaatg tgcaggtag ttacatatgt atacatgtgc 123540

catgctgggtg tgctgcacc cattaactctg catttagcat taggtatact tcctaaagct 123600

atccctctc cctccccca cccacaaca gtccccagag tgatcactaa tgttgaactc 123660

tatgaaatct aagatgctct aatgttatct taaactctta gcattttttt agctataaaa 123720

accatgatct aaaaattcag atgcttctcg aatgtcactc aactatttct taaaccagag 123780

atgggctgta ttgtatccag gacaaggtag ttgatgatca tgatgccag tatctctaac 123840

tagcttaatg cattggggaa acaccagagg ttccttgaat tgcttcttta gggagggatg 123900

agtccaagta attgttaatt caataagtgt catttttaga aaaaaccctg tgtaccaag 123960

tcttttatga gactggaaa atcagagatt aatgttaaag tctttctcct ccagaggctc 124020

atagtcacat gactcagaaa aataacttct cattagatac aattttaagt gctatgatag 124080

gtttttaaat aggagggtat ggaaattcaa aagagagatc ttgaatcatt cattctacia 124140

ataattatca agaacttgat atgtgccagg caccattcta agaaacagga tgaatatagc 124200

agtgaaaaat aaaagtaaaa aaaaaaaaaa gaccttgccc taaataggca acagaaagat 124260  
 aaacaaagaa taaaataaat aaacactata ctttcaggtg gtgatgaagg ctatcaagaa 124320  
 agatgaaata gaacaaggga ctatacactg gtacagaatt atatttagat agagtagtca 124380  
 gatatggcct ctgctttatg tgacatttag gcagagacat ggataaagtg aaggagcgtt 124440  
 taggatatcc aaggcagaaa gaacacctag agaaaaggcc ctgaggcagg agatgctcgg 124500  
 atgagtgtgc aaagtgccag ggaaggttat gtcttgagat gaggcagaaa aggtagccag 124560  
 gggctagatt atatagggtt ttgttggaca tggtaaggag gctgggtttg cttctgaagg 124620  
  
 atgcaaaatc agggaagagt tttgagcaga aaaattatat gatcagattt ttatttttaa 124680  
 aagaccattc tagatgctgt atggaaaatg aagaggcaga gagcaacagt taagcaggga 124740  
 ggaaattagg agacagtffc tataattatg ttaatatgca taaatatttt cagttatagc 124800  
 attatatagt atgggatatg ttaatatatg ataaattatg tttctatatt tataattata 124860  
 taaatcacat acatagcatt atgttatata ataatatatt atgttggtat attccaaaaa 124920  
 tatattaata ttatatgtat gttataatgc attttataat tataatatat aatagtcta 124980  
 tatctattat atctattggt ctttagtttt atattcttag aaaaagatgg tgatggtttg 125040  
  
 gagtagtaaa gtagctgtag aagtagaaat actcatttga ggtaaatatt ttgaagttag 125100  
 acccaacagg acttgccaat ggggtttctg tgggatggaa gagcagaaaa gggctcgtgg 125160  
 agcaattcta agttttagct tgagcaacta tgtgaataat gatgtcattt cctgaggtag 125220  
 agaaaaataa ggtaagcat ttgttggtag tgaggctaag aattgatttt ggacgtatta 125280  
 aatttgagat gagtatttga ctgtgtagat gaaatgttaa gtgagcaatt ggatatacag 125340  
 atctagattt cagagaagcc aaggttggaa atacagattt aagtgtgttt ggccacagga 125400  
 taggatgagc tgaacaggga ggagagttag aagaaaagaa ttatgatggc tgagctctag 125460  
  
 aattctccaa catttggaaa tcaagaaaag gaaaaaccag tgaaggagct atcagcaaaa 125520  
 gaagaggaaa gctggaaagt ggccctgtgg tagcagagtg atctactgtg acaagagctg 125580  
 ctaagaagga caagtaattt gagaactgag atctgactac tggattcagc atgttcttcc 125640  
 ttcttccagg aatgctgttc cagatgtcca catagatggc aacctctctt tcttcaggtc 125700  
 ttactcaaa attacctact tggtaatact ggcaacggcc aatctatcaa aaagccaatc 125760  
 tgctctccca gttatctgta tccctctccc ctgctgtatt cattcttctt agctctttaa 125820  
 cattatgtaa taaactaggt gttttactta tttatcttaa ttattacata ttccctcat 125880  
  
 tagaatttaa aatacataaa cacagggttt tgggtctctt ttatttgttg tgactttgtc 125940  
 agtacttaga atgatgttg actcctggct ggcaactcagc actcaataaa tactggttga 126000  
 aaacatgaat tgatgaataa atgaagccac catttactat attagatgta gcagccttat 126060

aaagttgacc tttttccttt cttttttaa tctaagctta cctctggcca tagacttattc 126120  
 ttcctctagt gaaaaactag tatgtaaaag gaagcagata cttgcatatg tctttaaat 126180  
 gttgagacta gcttgctaaa aagctaccag acattatgta aaccattgtt ttagactttt 126240  
 atgatgcaag aatataataag gcagggtcaa cattctcaag gaacactcag tctggtggtg 126300

actgaaaact tgtaaatagg aaagctataa tacagcatgg taagtgaac tatagacaag 126360  
 accactagaa gtctaataa gtgagtagat aaccagacag cgggagaact gggtcagact 126420  
 tcacctgtgc atgatagcaa aaacatcaga aaacttctga acaaattaag tcatctgttc 126480  
 actaaatatt tattgatcat tagcaccata ttcagcactg gggataaata agcaaaagaa 126540  
 acataacctc tactcttatg gaattcaatc tagcttgata atctacctg tgtaatacca 126600  
 gtacagcact tcagaagagc agctgttgaa atcttttaca ggtcccgagt cggccaatgc 126660  
 cagatagatg tgctacacat cacatcagcc taccctaagg caactataca atgttctgat 126720

aaatgcttct tagtgaaaag gcccaagcat gccccaactc tggctctagt gttacagaaa 126780  
 aagtacaagg ttttatttaa gcaaagtagt caatggagct atacacattt ttttaaagaa 126840  
 atgcatatag ctttggcatt tcaaaatgag acatggcagt aaaaaactag atgctactga 126900  
 tgaaaaaatg tagatttaca tttataccgt agtataaatt tctaattttt tagataattc 126960  
 atttctaagc actgtcattc ttctaataa tttatatgac atttggtatt gctaacttcc 127020  
 aaactgaagg gattctaagg aactaatgc ctttgatta aaagaggta aggaaaaaat 127080  
 gactcatttt gcaagtgcata atgctataaa ttctataaa atacaatatt tgggagtcaa 127140

gtgtaaaact atttgtgaat aggcatataa cttttcctgg ataattttat aaatttttgt 127200  
 acttaaatg gaaggcaatt tcaggcaatc acaatgattc cctcaagaaa aaggaccatt 127260  
 acattggact ttttctcata tctttctgag ccagttttat ttcactaatt gagcccatgg 127320  
 agacagaaac ttacttagat tttatagtat tgcgtattct gaagagtatt tataggaagt 127380  
 tcaccaattt atcaagaaca ctgcaagggt ttcaatattt gtctaattat tagagtaaga 127440  
 atacttttta aaaatagtat ctgggtattc atttctata aaaagttaag aggaacatct 127500  
 agaaatgtgt gcaactgagt gaagtcaga aaaatataat gtattgatct caatggctat 127560

taagaaaata taatacttct ctccatatct ctgacacaaa ttcttaagat gatgaagcac 127620  
 aatctctatc atttcttct gtcaacaatg tgtaggaaga aaaaacattt gggtaagtga 127680  
 atgaggaaat tcctggatc aactgtatcc gtggtataga actaatagct gtgggctgcg 127740  
 caccctttaa tccaacatt ttgggagacc gaggtgggag gacagcttga cgtcaggagt 127800  
 ttgagacaag cctgggcaac atagcaagac cctgtctcta caaaaaataa aaataaaaaa 127860  
 ttaactgggc gtgatgggtg ctgcctgtag tcctaactac tcagaaggca gagagagtat 127920

tgtttgagtc caggagtttg aagttgcagt agctatgac gcaccactgc cctccagcct 127980

gaaaaacaga gggagactct gtttctaaaa caaaacaaac aacaagaaat aatagatgtg 128040

ttttgaaaag tgcctacaag tcaaaggggtg aggacagctt tggccaagga gatgatattg 128100

agtatgggag ggccaattaa accacttcag agaaagcggg ggtgggtctct ggtctcataa 128160

ctatttttgc ataactcatt attgtttccg tgtccaggcc atcaggctac accctctctc 128220

ttatgagaaa ggtacaaatg cataaaacta agtcaccata agatgttttg tcaggaacgc 128280

tgctagcaga gcactcatct aacctaaatg tttttctctc cacatctaca aatacaacta 128340

tgtctatagt ttaaacatat cacattaaat aaaattcact gagtcttcag aacaatctaa 128400

catttatttt acatactcta tttagaagg caataaaagt gtggatgtat ttgtataaaa 128460

aaattaatgt tccaaaatgt cccctagaat ttcaaacttt gaggtacagg aaaatatcaa 128520

atgtatagaa ttattaattc cttgtgagtt ccaggtagct taggtattca cagtactttg 128580

aagaaataat ttaaagaatg tctcttaata attatgaaaa ggaagagaag actgacttaa 128640

gcctgtatct atttgatcag gtctacttag tctgctgggt tgaaatcgga gcacagagca 128700

cttctttaga aagggtttta cttgcatccc atgtctgatg tggcaacaat actagtaacc 128760

ctgcttatac ccccttggct ttcacctctg cactaggaag gctgcttact gtcaacatct 128820

gagaatctct gtgtgttagg ccattcttgc attgctatat ggaaatacct aagactgggt 128880

aatttataag aaaagaggtt tggttggctc atggttctgc agcttgtaca gggagcatag 128940

cactggcttc tgcttctggg gaggcctcag gaagtttaca atcatagtgg agggcaaagg 129000

gggagcaggc gtttcacatg gcaggagtgg gagcaacaga gtgcagggga ggtgccacac 129060

gctttttaat gaccagatct caaaacaact cactcactat caagaggaca gcaccaagag 129120

gatggtgcta atccattcag gagaatccg cctctatcta aacacctccc accaggcccc 129180

acctccaaca ctgaggacta catttcaaca tgggattccg aggagacaaa tatccaaact 129240

acaccgctct gcctgaggac ttttctctga ccacaggga catglataac cagcatgcag 129300

gacaaccag aagtgcggag ttaacacca cagaagcaac tcagcaaatg ctggctgatg 129360

tgtccacgga catacaccg gcttctttcc tcatcaatgt gattagctcc gaggtgtgct 129420

glataggagc cccagagtt ccttggcagg actgggcctt gggctatagc tggtagtgta 129480

gtcgataata tgcccttagt tgtcttctt ctttccctc tctacttcc ctactcttcc 129540

atccatgttt ccigggatca cctcccaaat gaattgctct gcacttgaat ccttgccctt 129600

aggtttactt ttagataacc caactgaaa ctcatgggca gaatttttgc ttccatggta 129660

tacaggtttc taagtgtggg ccagagttta catataaata caaataggtt aagttgtgaa 129720  
aggcttttta ttagtttggc aatcaaaagt tctactagaa cctctgtttc tacccatgag 129780  
ggattaacag ccagagaat tgcctccta ctgtgaaaaa gaaaaaaaaa aaagaaaact 129840  
tcaagaataa gtattttctg acattgaaaa atagccagag caaatgtgtg ttgtttgaaa 129900  
gaatgaaaac aaattttctt tatactttct ccaaactgtt gcctggaggc agctctaaag 129960  
cactaggata ggaaaagcct aacaaagctc agtggctcga tggttcagc aaggtgagga 130020  
gaggagagac caggagggtt gaggtggcca gaattcacag ggcagaatac gagaaaggag 130080

acagcctgaa gagaaagagc tccggaaacc tggatagaaa cctcttcgag gctttggctg 130140  
agtactgac agcacaggcc tggtttgaaa cccacaagg ctttgaaaag aacctcctga 130200  
agcaattcac agagctcaaa ccaggctaga tagagttgt catctacca gccaaaacgg 130260  
aaaaaccggt gatacagga acttgctaga ggcctcagaa gggtatcact cgcattgtac 130320  
agctaaataa ggctacatc aaagcctgct ctgcacctgc caaatacag cataaatca 130380  
gatttgaata tgtcaacgc atcaaagcg gtttaattac gtgttaggac acagcccgac 130440  
actcacatcc cccgacttc acttccatgt tatgaaggaa caaacaaca cgggtgttgt 130500

tgtttaacc cctcggggcc cagccctct gcctggagga tgctctcca gatctctatt 130560  
ttacttgct cctcacctcc tcaggggtat actcaaatgt ccccttttca gtgaagccct 130620  
ccttgaccac ccatttaaac ttgtattctc ctccctactc cttaacctcc ttcceagctt 130680  
tattttcctg cgtagaattt tatccatc taacttgctc tacattttat ggatgtaatt 130740  
tttttgctag cgtccctcc ctacattata accttcata aggcagggtt tttgttctg 130800  
tgttcactgc tatctatca atatctaaag cagttcctag cacataata atgcttaaag 130860  
attatctgct gaataaatat tttagaaaaa taactgcagc tccaatgtgt actgtctact 130920

atgatacaaa agaaataaaa acatggttca caaaaatatg ttatagcttt tattatgata 130980  
tcttctagtt tcatatatgt ctttatatat gaatatataa tatataaatt tatatatatt 131040  
ttatatatat atattttata tatatatata ttctctatat ttccatcct cttttctctc 131100  
ttactaatat cccaagggtt atttttttcc ctacctgct caaagcggaa aacaaaacaa 131160  
agactcaaag aacctagcag aggccgggca cagtggctca tgcctgtaat ccagcactt 131220  
tgggaggcca aagcaagcag atcacctgag gtcaggagtt tgagtccgac ctggccaaca 131280  
tggtgaaacc ctgtctttac tgaaaatata aaaattagcc aggttgggtg gtgggcatct 131340

gtaatcccag ctactcggga ggctgaggca ggagaatcgc ttgaaccgg gaggcggagg 131400  
ttccagttag ctgagattgt gccactgcac tccagcctga gtgacagagt aagacttgg 131460  
ctcaaaaaaa aaaaaaaga aaaagaaaga tttgggtgca atgcaaacct tttttgttt 131520

tgttttttct tgttcctaaa gactgggttaa gactggattt gtgggaaaca ggagaaaatt 131580  
cagcagtgc taacaaaaaa ggaggaaggg ctgaggcttc agaagtggta gggaagaaca 131640  
gaagctccct tctgaggag caccaggag atgaaaggaa ccaatcctgg gtggctctgc 131700  
accaggctta tcaaccctg acagacaaat ggaaaacttc tatgatgggtg ggacatgaaa 131760

aaatatattca ccttctgat aaaatggaac cagcagatag aagtaggaat ttttctgtta 131820  
ggtgaaatgt ttttaaaaat atgtatatag gaaaaagcat aaaacagtat tgactggcaa 131880  
acatagaact ggaatgtaaa tataatgttc ttgcccctga atgatttaag tggcatgata 131940  
aaactcatgc cacagactgg gtaagacaag gaatctaate cactctaaaa agaagaaaag 132000  
catagtaaaa ttctccttag agttagaatt attaatagtt cctatctact atttaattta 132060  
atcatagtta atgatgagaa ttcttataat ttatgcatc tgatgatgct aaatgtgcat 132120  
ttctcatgat tccttaaaac aatttttgta aattctattc ctaggacctt ctgctttcag 132180

aaaaattaat gtcttgtatt cttctgattg gaggagatcc atctgttcac ttgctacgca 132240  
gtggttatca aacttcgtgt gcatcagaat cctctggaag ggtagacgg ggactgcctg 132300  
gcctgccctc agaggttctg actggttaggt ctgggggtggg gcctgaaaat tagcatttct 132360  
aacaattcc tcggtgaggg tagtactgct ggtcaggacc accctctaag aaccactgac 132420  
acttaaaatc agggatgtat tttcaagaaa ctacacccat ctttcatatt aattgaatgt 132480  
tgtaatttg aattttatta ttttaaatc tggttggtaa tttgtcaatc cgttggtttt 132540  
atagttacat aaaaactata agcataaaga tgttatatag agtttttggt tgtttgtttg 132600

tttttgttt tgttttagac agagtctctg tctgttgccc aggetggagt gcagtgggtg 132660  
aatctcagct cactgcaacc cctgcctccc ggattcaagc gattctctg cctcagcctc 132720  
ccgagtagct gctgggatta ctggtgccc ccaccaaggt cggctacttt ttgtattatt 132780  
agtagagacg cggtttcacc atgttggeca ggctggctc gaactcctga cctcgtgac 132840  
caccacctc ggctcccaa agtgcctgga ctacaggcat gggccactgc acccagccta 132900  
tatagagttt tatgtctgta ccacttaaa taattttaca ataaaaatga tcactaatga 132960  
gaattgtttt cctataattg gctctgtata cagtattcaa tgttattacc cggacgattt 133020

ttcttatctc tactctttac tctaattttt tcctatatc tcagcaagag tgatcgatgt 133080  
caaacataaa tctgggtcaca tcaattccct ctggttaacct ttacttgge tccttctttg 133140  
tgtctagata aatcctaagt ttccctaagat ggcatagaag atctctcatg actggccctt 133200  
gcttatttct ccaggttcat ggctgacatc tctcacctc cactcctctt atcccacagt 133260  
ctctttgaac gcttgtgctt ctgtgtgttt ccatitgcat tagagccttt gtctgtgtgg 133320  
tcctatctgc ctgacgtgct gctccactta cctgatttga cctgctggat tccatgtttt 133380

ctgtaagact cttggatgtc cattactctc tagtctctgc taactccctg tggctctctc 133440

tatgtacctc cacagcaatc cagattaccc agccgaatat tcatcacact ctattacaat 133500

ttcctatttt cttgtttttg ttccccaata gttttagtagac atttccagat gaggggctat 133560

gacaatatta attattgaat tcttcccaa atcctgacat aaaaaagata ctaataaaca 133620

ttaaaaaat atataagaat gatactcaat aatacaataa ataggtctga agtttctatt 133680

atttttaaat aaacaaagct actctcatat taaccacccc tgtgaccctc ctctagccat 133740

caggaaggct agagtgtga gcttcaggaa accactgaag ccagttcctg atgatgcctt 133800

cactctttgc agacaatgcc acaagcactt gaactaaca ctgctccact tgtctcctgc 133860

tctggaagct ccatgaaggc agagactgtc tctcacagca tctcagtgc aggcatatag 133920

tagacactta atattggtg cctatctttt attttgccat tagtgtgtga tcagaattaa 133980

ttcagacagt cagtggatg ttgctcctga attcttggg actggcccaa atacaacttt 134040

taccatttca taaccgtctt ctattatttt tgttcttctt tttccttgta ctcaaattcc 134100

aaaaacttaa agcagatcat gagaacagtg gttttgattc agttctctgt agagaaccag 134160

gtaggaaagc tgggaaatgg ttggaaaaa atgaggaca gaaaaagtag agagcttctt 134220

gcttctttta ttttccctt gaagctgaca ttaatagtgt gtgctaagt aacctctaaa 134280

tttcttttta taagaaaaga aacctgaagg gcctgcctat tattagaata cttgtgagat 134340

ataaacttct tgatatgtgt ctaaaatttg aaccaattta gtggtacaat aaatagtgt 134400

tagagtacaa taaggaattt tgtttttcag aataaaagca gtaaaaaag cttgttttg 134460

caactttaag tatgtgaata ttcatgaaag caaactttcg aaataaactt taaataaaaa 134520

ttaaaaggaa aagagattac agacttgggt tttggcaaca tatatttaag tcatctcatt 134580

acactgtgct atggtctgaa tgtctatgtc aacccaaat tcatatgctg aaatcctaag 134640

ccccatagt atgatacttt ttcagagggt gggtcttgag ggcagattct tcataaatgg 134700

gaattaatgc cctataaca gagtctggag agagatccct tgttcttca tcaggtaggg 134760

ttaaagcaaa aagatgcctg tctaggaaac gagaccgcac cagaggtgga atttgcctgt 134820

accttgattt tggatttccc accctactaa actgtgagaa ataaatttct gttatgtata 134880

agctaccag tctatggtag tttttatag aggcctagac atactaagat atttgttaca 134940

tttattatcc aaatttctt tctcttgatg aatcaagact agtcaccta aggcaaatc 135000

tagaaattac tatattatgc tatttcaaaa gaaagcatcc aggaaaagag ttaattata 135060

gtatttgaga gcagaaacac ttcccataat cactgttcat gaatttgcta aactagaata 135120

ttatatggta aaccgtatit acatctttta agagagacaa taataccttt cttatititit 135180  
 ttctitititit gtitititga gatagagtct tgctctgtct cccaggctgg agtccaatgg 135240  
 tgcaatctct gctcactgca acctctgcct cctaggttca agagattctc ctgcctcagc 135300  
 ctctgagta gctgggtitg cagggttgca ccaccacacc tggctatitit tigtatitit 135360  
 agtagagaca gggtttcacc atgttgcca ggctggctct gaactcctga cctcaagtga 135420  
 tctgcccacc tggcctcca aaagtgttgg aattacagge atgaaccacc tcacctggcc 135480  
 taatacatit ctiacaagag gttctaagga ttcattagt tttatititga aagagtittt 135540

aaagtgaat gcttcccgc cttctttgtc actgaaatca ttaacaaatg atgacagta 135600  
 ttcccttctt aatgacttag aaaagcctga ctatccaatg ctgtgcaatt atcttcttca 135660  
 tgttagaatt caaaattga gcccataat catgcattaa aatgctcact tcttgittta 135720  
 aaatacctac aatatcatit agatcaatit ggagtittca aagaaaaaaa aaagcccttc 135780  
 cttagaatga tattattaag actgtcaagt cacatttgc tttatagaatt tcatgtaata 135840  
 cacaataacc caacttaaaa ttcctgatt atgaaaaagt tgtagaacaa tacaaaaat 135900  
 ttattatit tagagcagct tccacattcc atgtgctata tttgtagagc attccttgca 135960

tgtctctctt aaaagcaatg ggatcatcaa gattgattat tcttggaact tgattcgcat 136020  
 atttgctit ccaccacctg gaatgtgggg ctaccggcaa gataactatg taccgataag 136080  
 ttcagacact ggtagcaaaag actgagagtc tgtctctctc tctctcttca tgacaacatc 136140  
 ttgacattct gaggaagaga gatcaaatg ttaaagtatt aaaaaaaaa aaaaacaaca 136200  
 agctaagcct aagtggggag agaggggaaca gttccaaaaa ggagataagg aaggcatagg 136260  
 gtgtgattct gaagggtit gagcaagt tttataaagag cttatitcc taacctgga 136320  
 tattitgtgc tgaacagtc tttgtgtgg gggctctccc atgcattgta ggatggttca 136380

cagtattcct ggcctctacc cactagaggc tggtagcact ctctgccaac caaaatgac 136440  
 tccagatatt gccaaatgcc cagtgggaga aattgggcag gggcggggca gatgaaatit 136500  
 tccccagttg agaaccaggc ctggtatitg gcacaaggaa aggaacactg gaaatgtit 136560  
 cctaaaaatta ctaatgggaa ctttactgt gaagaagaca acctcttca cagtgaagt 136620  
 tctgcagggg atggccaagc caagagttag aatggcaaa agatgccacc aaaagctatt 136680  
 attaatggat ccactagcta gaaaaaaaa aatgatgaga agagccacct ttgagtgtg 136740  
 tctgtgaaa acaaagtctt ggagctgcca cagccatacg taactgtcaa ctgaagctcc 136800

atataatata cttagcaatg atctattatc ctctttaatg aagggaagag tctaatagac 136860  
 ttcttcagg aaatitgacg ggcttaata ccagaaactc cttgccaggg actcactgag 136920  
 tttcatitaa ttcataaat atttattgag cactcaatgt gtgccaggct ctgtgctagc 136980

tgtcagaaat acaatggatga aaacagtctc cctcaaaga acttatgctc cagagagaaa 137040  
 cacaattata acaagtctgg ttctcaaatg tctgatatag ggtatgatcc aggcagagag 137100  
 tgtccagtt ctccacactg agaaccacta cacaaccaga actttaaaaa aatcacagta 137160  
 ctctctttt ttaaatagca aaaactgctt agcttttttc tgtattcgaa tgctttactt 137220

ttttctctc attttaaat tctcagccat ttcactggca tctcaggcag ctgctttttc 137280  
 tccatctcag aacaatcaat atatgaacat ttttaaaagc aaaaaaaaa atccagtgc 137340  
 aattttattt ttctgctggc atacatgtgc acaatctttt gaatttcat gatggtgata 137400  
 accagccgaa gtcagcaagc ctttctgaaa aagcagttga ttcaatgatg acagctgtgc 137460  
 tgtcatttct tatttaggcc cagctgccta ataatagcaa agtaatatta ttaataaatt 137520  
 actggcatag ctagttagag aatgtaacca attacatata gttttaaatt cactacaggc 137580  
 aaaacgctca ctagttttct acgtatgatt cacagtcctg tcttcagtgg tactgaacca 137640

cagcctttgt agactagtca ttagtattca ggataagaaa caattgcttg gaacaggaaa 137700  
 cacagaagcc agacatttgg caacaccaca cagcattcac tgctgaagtc aactggcgaa 137760  
 ggcactctgg actgacagaa actggcctct gttgccatgg aaacagcagt gaactgtgtt 137820  
 agtaaacagt ttgagtctc tcacctgcca gggcataaat tcaaatttta ctgctgattt 137880  
 ttaagtctac tatttgtaag tgacctattt agggagttaa tactggaaat cactcttcgc 137940  
 ttcagaaaaa aacatccaaa tctttgcaaa aacatctgag tcttaaggta cccaaacaca 138000  
 attaaatgta attgtgcaga atacctgaca aaagccagtc tatctattca ttctaagac 138060

tgccatttt gccaaaaact agttcctgaa agtacataaa taaaataaaa ataaaatggt 138120  
 aaggaagtgg aggtaatgct aatccccaag aaaaagactt ttacaaattc acagtgagga 138180  
 ttcattgccac tgtttaattt tatttcaagc cacatttatt ttaaatttct cccatctca 138240  
 ctcatagcaa aatgagccaa gtaaggctgc ctctgtcca ctttagactc aaacatccca 138300  
 ttaccggaat tcctctgtct ggataattac aatcattatt acccctaaat tacaaatgca 138360  
 caaagtatga cagaagaaaa atgtcttgac tgcagcagtt caggaaaaca gccatagtgc 138420  
 gagcctctaa ttctcagctc tcttaateca catgtctcct aggtcattct ggcttcatta 138480

agcttcttcc ttcaactctt ttcaatttca tgctaaatta tatttttcca taaagtctac 138540  
 aagtgaaac atcatittgt ttttctctc aagtaaccaa ttccccctta tcaacaattg 138600  
 ctaaaatatt cccattacc ttttctgtga cttcgacttt cattcatcaa taaacattta 138660  
 ccaagcaaac atttataagt catgtgctat atgcttggca aaggaagaag tgatataaag 138720  
 atgaaaaaaa aagttttctg cttttaaaga ttagtcttag tgggaaaact agaaagaaag 138780  
 aaagacagac agatagatag ataacaattt gataaacaca gtagcgaaag tagactaaaa 138840

gtacaatggg aacactgtga agaaaaagct aattttgctt ggggaaatag agaatgccac 138900

actgagaagg tggatatttc accacatctc aaagggtaaa taggagtttt atatgtggtg 138960

gttagaaaag gcatgtacta aaaaataatt ttcaaaaagt tgaaaacatt gctctcattc 139020

atataaaaa tgaacacgtg tcaaatattt tatttgactt acagagattt ataaccgcta 139080

ctggacaaaa ttcatattga ttagtatgaa caggaacat ttgtattgct acagataaga 139140

atcatctgca ctgctatcag ttttctacaa cttacttct accactacga aatcatagaa 139200

tagtctagtt gacagaaagt cgatcaactc tgcacacacc tatggaatca acagtccca 139260

caggatcttc tagatagcac ccagtggctc ctttagtcca tttccaagtc ttgaacggtt 139320

tattctggca gaagaaatag gcattccaga ttttggggaa agtacattaa aaacaaagag 139380

atctggaaaa gtaagtattt ggaaatgact aaaaataagg cagtaggagg aaaggaaagt 139440

caataaagtc acggaaagaa gttaagatta catgggaatg ggaatttggg gccaaattgt 139500

gaaagatctc acgtgccatg caagagtata gactgtccaa aaacagtggg aagccactga 139560

agaattttaa accttgaagt gtcaagttaa aagatgtttt ttgtttcttc acccttaatg 139620

cttaatctat tcaaatctgc attttctacc attgtggctt gttttggagt atttctttt 139680

ttttttttt tttttttga gacggagtcc cgctgttttag cccaggccgg attgcagtgg 139740

cgcaatctcg gctcactgca agctccacct cccaggttca cgccattctc ctgcctcagc 139800

ctcccgagta gctgggacta caggcgcccg ccaccgcgc cggtctaattt ttgtatttt 139860

tagtagagac ggggtttcac cgtgttagcc aagatgtctc cgatctctg accttgtgat 139920

ccgccgcct cgccctccca aagtgtctggg attacaggcg tgagccacg cgcccagccg 139980

tatttcttaa tttaatatta aatttcttcc tgtttgttt ctagactgta aaaacgtctc 140040

catttttaat attttttca cttattcaaa gcccttaatt cctctagtcc tcttagttat 140100

ctcatgatgt acttaacatg ttgctattct tttttcaat ataagttaca cacttaactc 140160

aggaaaatcc aatggcccta attttcactc aagggcata ctgagagacc acctattttt 140220

tagggacagt gttgtctgaa ttaaaaatat atggtacttc agtggtaaag gaattgcaa 140280

tgaaataatg tgicactact tacaccacc agagtgttta aaattaaaat actagtaata 140340

ccaaaaacaa acaaacaaaa aatatatggt acttcttgat tatttagtat tatgcaccta 140400

tattatactt gaaggacatt aacatttatt ttactgagcc tttttccaa tattttttaa 140460

aattctgacc tattgttgaa acacatttta ttataataa tgtgatata aatacatata 140520

acttgtgtta tatccctgtt agtttcata taggaaaaga ctcccatcca taaatgctaa 140580

cctagtaaag agtcatgtag attctgggaa attaaagcaa ttcttactgt tttgttttaa 140640  
 ggttattcct ctgagaaagc ttatgtttcc attatgtaag atttagaatc attttcaata 140700  
 actaaatgat agtcatgtac tagaattaaa actattaaga atctaagaaa aggtaatcct 140760  
 gaaatatagt ggtacggcag aagagatatt tcattttcct aagttttaat aacaacaaaa 140820  
 tcaaggccgg gcaccgtggt ttatgcctgt aatcccagca ctttgggagg ctaagggtggg 140880  
 ggaatcacct gaggtcagga gttcaagacc agcatggcca acatggcaaa accctgtctc 140940  
 tactaaaaat acaaaaatta gccaaagcatg gtggccagtg cctgtaatcc cagctacttg 141000

ggaggctgag gcaggagaat cacttgaacc cgggaggcgg aggtgtcagt gagccgagat 141060  
 cacaccacta cactacagcc tgggcgacaa gagggagact ccatctccaa aaaaaaaaaa 141120  
 aaaaatcaaa acagacaatc actttctttt taagacaagc aggagtctat tgtaatacac 141180  
 ttttaatacaa ggaatggaa tcaattgtca tgcttaatat tatcacaatt taaaataata 141240  
 caactggcaa ataaagaaat agataatttg ttgatatta ttgggacttc attttatata 141300  
 cactaataca ggaattacca aactttttac ccagatgctc ttaaaaataa ttgaggaccc 141360  
 aaaagagctt ctatttatga tcattatata ttcagatgtt actgtatcag aaattaagct 141420

aaaaatgttt aaatattaat gtaagtagcc acaataaacc cattaaacgt tagcaaaatt 141480  
 aatgtatgat tttaaaaaac tatatgtttt aaaatgtgtg agaagagtgg cagtgtttta 141540  
 tatttttgca aatctattta atatcttcc taaatagagga tagctagatt ctcatcatt 141600  
 ctattgtgat atcacatata atgtggcctc tactgtacat tccagaaagg atgagcatga 141660  
 aaaaggcaaa tagtatTTTT gcagtattat gaaaatactt ttgacttgc acatttcttg 141720  
 caagtatctc agagacttcc aggggacccc aaatcatact ttgcaaacia ctgactaat 141780  
 gtgttcactc aaaactactt tgaatgaatg tgtccattag caaatcagtt gcacagttt 141840

aagaattcca aagatattat tacattagtt ttaaaacagt aattacagt tagtgtgccc 141900  
 agaaatatta tagaaaacia aatatacact ataatacatt ataattttct cttcaatat 141960  
 aacaaaatga aaaaataaatt tccttagagg gaaaatcaaa gaaaatgtg gcataatatt 142020  
 gctgttactt tgggaaaatt tcagcaatta aaaacagatt gaactctaac atttttctga 142080  
 catagccttt gccattaga tgaaaatctt gccatgaagg ccacgagtac taatgttgca 142140  
 ataataatta ctctccgtg gccacattt atatgtagtc tttgtggagg gaaatatctc 142200  
 actttgaatt ctgggtattt tacatggctg agataagctt agagtctata attcaagcac 142260

gggtctagtg actttctaaa tctgggcagt cattcaaatt gtaaaccaag tagcataaga 142320  
 agagccagat gagtaaatga agcataacta gggtgatata ctgggggaaa aaagaagcaa 142380  
 aactcaaat ctctctctga ctacagtggt cataaattga gattccagtt ctctgagcta 142440

cattttcaga agaggtcctt tctggtccat tacttagaaa ataatatgt ctttacatag 142500  
tctaccttgt aatagaagga ctccatgggc tcacattgca cagtttcagg tgagttttta 142560  
atatgctaaa ggcagatctt agagcctttc tgattttgta cctgagaggt acttagagtg 142620  
atgaaagctc aattccattc aactggccta atacttttta caaggaactc atacatgtat 142680

gcatgagtgt gggaactagg gaggttgaacc agtgttataa aatgtgatgt tgattataac 142740  
acaaggaact ttaaggggaag tgcaaagggc tatagaaatg cataaagaaa agagaatgtt 142800  
glaagttaga gaaaggagaa agagttagtgt gtgtgagaca gacatatgca ggcaaataag 142860  
attttaaaag gtggaaatga gaaccaaggt tatcccaggg gaaagaaata gctttaaaag 142920  
aatgcaaaga caaaaaacag aaacatatga ctcacattca ggaaactgtg aagagtctag 142980  
tttggttggg acatagattt gttgggcaaa taggggacat taataggga tagtagagtg 143040  
gtggaatatt gtcaaggtcc ttcatttcca gggtgaaaag tgtgtagtta attctaaggc 143100

aagaggggaat cattaaagat ttttagtagta gtctcagagt cttgcatcag atggatttag 143160  
agaaaacaga ggtaggacac cagcacacaa ctgttgtcta agtcaaggca agaagcaatg 143220  
aatgggtcct aagctatagc tctagtgcga gaattataga ggcaagaaac attttcccag 143280  
acaaaactat aaagtgaacc aacaggtgaa tataacaatt aacagagaaa ggcctgtcga 143340  
aaatgactca gattctgaca ctagtccatt agggaaatga tgatatcatt cgtactaaaa 143400  
gggaagtaca aaaaaagaga attgatttgg gagaaagaaa atggttattg aacacattaa 143460  
atrtcagaat agaggttaag tgagcatttg aaaatagaga gtagggtgctg agactcctct 143520

atrtgtgac tttatacac tcttaatacc ttaagcttcc aaaggggtgg gagataagaa 143580  
agagtttctt atctaattga aaaaagagat tgatttttat catttcattt tcttgcaaag 143640  
aatgaaacat ctggcattat cctatatattc tgctatagct taaaatgagt acagtcttcc 143700  
tacaagctgc cacttttctt tgctgaattg ctgtcttgaa gattagacag aggaaaaaga 143760  
aaaggggaaa aaataaactt gtaagaggac atgataattg aatatctcta tgcctctatt 143820  
tttagataaa ttctgcagg ccatccccac ttttgcaagt gagaatgtgt ttcattgacat 143880  
gatttagtta aattataaat agtccattta gatgcatcta tccaagaata ataccacaa 143940

actacttact gatgaatcgt cgggctttta gcttagttta gaatagactg ggggaatgat 144000  
gcatctattc tgctgacctg gaagaaagat tcccaaagct acctgggatt tgaaagaaaag 144060  
cataccattt aaaaataaat gaccatctac cttttctgct aaatttgta atatgaactg 144120  
gtattcaatt gaagttatta aagctaactg ttctgatatt taaattgtat tcagtaaaact 144180  
tcatttcatt tcataactc aaaaattctc aatatggtga tgaatgagtt aacatataaa 144240  
aagtccttag aatagctcct ggcacatagi cagggtgctat ttaatactg ctatcatcat 144300

cattattatc acactcatca ataacatata cacattttat atcctacaat ctttacatta 144360

aaatggaaaa aaataaatca ttttaaattc aaagtcttat gggacagtat tctttgctgg 144420

caatgatatc ttgccctat tttggttttt tgttatttat ttggttaactt gcctccttat 144480

ttaaaagttc tactgcataa tatataactg aaataaaaag taattgaggc tgtaaagcag 144540

tcccacattc cccactgatg ctgctcagcg tgaatatctc tgcctttcca tcgctggggc 144600

aggcaaacca tggtcagata cacagaacag atgaactccg gcattgcagat cttcttgacc 144660

tctctgtgca caagcattgc atcaatataa taggtgaagg aggcatatgc tcaggaacta 144720

aagaccaagg gctacattgc cttcagccac ctgcagccta cattcaacag tctgcacggt 144780

aattgcatta aggagatgct tccagcaata ctgaagtaac cagaaaatca acaactgggg 144840

ctttttccat ttctggctat aacctagaaa tcgttcgtgg tggtaaaaag tatgccccca 144900

gagccaatta gtctgattc aattccagca ctgctacca ggtgtgtgat cttgggcaag 144960

ttactaacct ctctcttct cagtacaat ttacacaaac ggacataata aagggatatt 145020

ctccattgaa ctgttaagaa gaatcagagt gaagacatgg gaggaagtta aagcattgcc 145080

cggcatgtag caagtgtta ataaacgcaa cctaagcttg caacaatatg tgccaggcca 145140

catacaggcc taaagattaa gcactacacc actatccttt gaactgtttg agcctgtgaa 145200

aggaaaatat ctcaggcccc aaaatcacta aggaaaattc aagctggaaa ctgcttaagg 145260

caaacctgtc tccatttcta ttcaaagtta tcctctgct cactgagata catgctttat 145320

ctgattgcct cctttggaaa ggctaatacag aaactcaaaa gaatgcaacc acttatttct 145380

cacctatctc tgacctggaa gtctcctccc ccttttctag acttctgccc cttgcttcag 145440

gatgtccac cttccagat ggaaccaaag tacttcttac atgtattgat tcatgtctca 145500

tgtctcccta aaatgtataa aaccaagccg tgccccgacc accttgggca catgtcagga 145560

tttctgagg ctgtgtcaca ggccatcct aaatcttggc aaaataaact ttctaaatta 145620

actgagacct atctctgatt ttctgggttc acaagacata tgtagtaac atcattctaa 145680

gtgaatttgc aatgccctct attttggctt ttatttgaaa atacagagaa tatatttatt 145740

gaatatgggt catccatttt tataccaagt aatatacgac tgaatgactt gatgaagtgt 145800

gaaggtttct gatcaacgtg catagtacat tggatttacc acaagtaact ttcttataag 145860

caacataaat atgatattac tatttgtaaa ataccagtat aacatgtcaa gggaaaagt 145920

gattctaaaa ttcttggcag ccttgaaacc tattgaaatg cttcacctt cctaaacttg 145980

agtcttattt ttaatatata gttcacttcc ttgagacact atttatgatg gcttgctctc 146040

tggtattttt ttctaattt ctactgtgt gatttagtgg tttttttctt ctcaaggaag 146100  
gttcttttatt cttttctgc tgtggaatgt ttttcatgat ggcaatttta attatttact 146160  
ccacatctcc tactgtggca caggtcagaa cattagaaca ttacttttaa gatgggctgt 146220  
tatatagggt tctgtgaaga gtccaagatc aaagtcagac ccacagatac acaatattaa 146280  
gacacctgat cccaagcact atatgattac acagttttta gttacacaca cacacacaca 146340  
cacacacaca cacacatata tgcaccccaa cagagtcaac catgtgggct gtgcatattt 146400  
gtcctgaaaa acaaacatct aagctaatat gcaacaaaat gtaacacata ttgcttgaat 146460

agtataaatg tattaatatc aacaaaaaat gactcaacat taataaggaa gcttaaaaga 146520  
taaaatacta aggaggagaa agttataaac cacaaatcct aggcctctctg cttattattc 146580  
attagtttta tagataatcc aaggtaaact ttacctctt ttatgattct cagtttttcc 146640  
atcatgacta tataaactct tttaatggca ctgatcttac attataggat accttttaga 146700  
tagttcttgt ttggaatttg aggacctcta cttcaacac tgtcacaatg aaaaacagat 146760  
tttattattt tgtggagagc aaatgagact ttaaaggact gtaactacat ttaactacat 146820  
ttgtcagca aatgatgaca acttctaact ctccctttgc agaaatagtc tacatatcta 146880

glagtttcta cccaaglat gatgtagaa atggtgagac tctttattcc taggtgtgtt 146940  
gcctgtctct ggttacagac atttggttat gtcaaaggca agccctctgt cacatgcctc 147000  
tctaaaaaga gaatcacact ggtccagga tccagaacac ttgggactac tgaagaattc 147060  
cactttcagg caaaagacag gaagtgtgaa gacactgtct ggggtgttaa atcactgtat 147120  
ttcataagaa acaaatagaa agatcaatcc ctgatacaga ctctatctct cgttcttcta 147180  
caccttctct tttattattt tataaaagaa tcaaaatagc caatagaagg aaagcatctc 147240  
aaaatggggc agactcataa aaaactatta tttgtatata atccttatcc tatctgacca 147300

tgattttctc tggaattaac aatgacaaaa ctaataaact cacaagtcag tactatgtgc 147360  
attctgtact aataaatata tatggacata gaattggaag ttgagacca ttgtccaatc 147420  
caattgagge atcttctct catctgaca ctggttatcc agtttaaata cttctagtga 147480  
caagcagctt gtgaccacat gaaacaattt cttctatttt tggacagaac taatggtttt 147540  
aaatgtctgt ctttatatta aactaacatg gacatcacta gtaattctat ttagtcatca 147600  
cagtacatgc tttcttggac tctatatacc atattctaatt ttttattacg tgtgactagt 147660  
ttcacatat gaaaataccc ataatgtcct tccaagtgtc cttactcac cgtatatata 147720

aagcaactta ttggaaatat ttctgaaact tgccggactt ctggttgaaa ggtgaatagc 147780  
aatgtatta cattgtatct ggaatactgt ccgaaaatta gaattcaaac tctttcaca 147840  
taaatttaag gtttttcaca tagtctaact cactacaatt ctctcagagt taatgattta 147900

gatgaaacaa tgtaaataagg gactgcagga tattaagtga tatctaacaa agatcatttc 147960  
ccaaattcat gttacagtgg ttcttggttt agctggaatt cagggaaacga cactaggagt 148020  
gttttgtaat cagaagaatc cagcatcaga cagtccgacc agacaggaaa ttgatttgtc 148080  
agtcttacac ttaaaaactt aatagtggag aaacagtatt ggattgtcta tgttcaattt 148140  
  
cacagcaatt tcctggcatt agtgaagga acacaaagct atgtgtactt ttggcgttga 148200  
tattatttaa gctggtattc taagcttatg agcataaatt ctttattgtt ttctgcaagt 148260  
atatacatat ttgtatgcc ttgtagatac atatgtaggc atatacatat atgtacataa 148320  
atatgtaggc atatacatat atatgcata ataaatacat gaatacatat atatacacac 148380  
acatagatag atagatagat atacitttta caattgatta atggcaaaga tgccactgca 148440  
atgcagttag gaatatgatg gttctgcatc cattgaatct gcatttgaaa aacaaaataa 148500  
tataaactct aatctttcct ttgacaccac acctaatgga tcacagaccc aatgttaat 148560  
  
gcttaaaaag catctagaaa ataagtaaga ggaattatgt ccttgagata ggcaaatatt 148620  
tcttcaaaag aacacacata aaagcaataa ctataaaaat aaaagggttga tatattgaac 148680  
cttattaaaa ttgaaaatct ttgttggtca aaagcctctg ttaagaaagt ataaagacca 148740  
gacatggaaa gatgttgaaa tctacctatt caacagagga cttacaaaga gctacaatat 148800  
caggaagaaa aaacaactca gttttttaaa agtgggcaag agagtagaat aagcacttca 148860  
caaaggaaga catccaagtg gccaaaaagc agattaaaat attctcaaca ttgtttgtca 148920  
ttagggaaat tcagttttaa accacaataa gatatttata caaccagaat aataactaac 148980  
  
atcttctaaa ctgacaataa taccaagtag cagctgcagc aactgaactc agaaacattt 149040  
ctggtaggaa tacaaattgt cacaataact ttggaacact gtatagcagt atcttccaaa 149100  
cctaaacata cagggatcca atgatctagc acttcacccc cagatgcata cacaagtaca 149160  
tatgttcaat gaaagtcaag tgcaagaacg ttcaaaagag ccaaaactag aagcaacaca 149220  
tatgtttatc aacagtagag atgataaaat atatttggat atattcacac aaggaatcct 149280  
acaagcaatg caaaagatca gactacagcc acaaaaaaac agcatggatg gactttacag 149340  
acataatgct gagtgaagag aagaacaaaa aacagtattt accatataat gccatttata 149400  
  
tcaagttcag aacaggcaaa actaacttag aatgacagaa gtcagaagag ccattgcctt 149460  
tggaaggatg tgactgcaag gaggcccaaa ggagccttcc aggctcctgg aaatattcta 149520  
gatcttgacc tgtttggtgg atacataggt tatatggttt ggctttgtgt cccacccaa 149580  
atctcatctt gaattataca ccataattc ccacacgttg tgggaggaac ccggtgggag 149640  
ataattgaac tatggggaca gtttcccca tactgttctc atggtagtga ataagtctca 149700  
cgtgatctga tggttttatt agaggtttct gcttttgcac cttctcatt ttctcttatt 149760

gctgccatgt aagaagtgcc ttccacctcc caccatgatt ctgagccctc cccagccagg 149820

tggagctata agtccaatta aacctctttt tcttcccagt cgtgggtatg tctttatcag 149880

cagcatgaaa atggaccaac ccgataggta tatacatgtg cgaaaattta tcacactgta 149940

catttaagat acatgacctt actgcatata actcaataga aatagaagtt gttgttgttt 150000

tctgattaca aagagaatac atgcaaggaa aatacttaga tataacaacat aaaaagttac 150060

aatcaacca taataccatc tagagtgata agggaatata ttgatatgca taacaaactt 150120

aagatcatat tacacacaca atcttctatt tctttcctct taaaatgaaa gctttgtgcc 150180

ataaaatfff ctaggtttta atgtctacaa agtattccaa cacatagaat tatttttaac 150240

ctatccctta ttaatgaaca ttttaaatgt ttttaatggt taaaatactt ttaaaaaatt 150300

ctaagctta taatffffgc tattatacat tacaatagat gaatatccct ataatgtctt 150360

tgatgacaca cataaaatc atttgagagg atggaactgg aggtcattat gttatgtgaa 150420

ataaggcaca gaaagacaaa catcacatgt tcttacttat ttatgtgac taaaaatcaa 150480

aacaattgaa ctcatggaga taagagtaga aggatggta ccagagggtg ggaagattag 150540

tgggggatgc ggggcatgga ggggggtggt aatggtaata ggtacaaaaa aatagttaga 150600

aaaaatgcat aagacctagc gtttgaaagc acagcaggct gactatagtc aataataatt 150660

taattgtaca ttttaaaata actaaaagag ttattggatc atttgaaca caaataaatg 150720

cttgactaga tggatatccc actttccatg atgtgattat tatgcattac atgcctgtat 150780

caaaatatct catgtatccc ataacatat acacctacta tgtacctaca aaaaaattaa 150840

aaaattaaaa aatattttaa tgcatctcag aaaggaaaat actaaacca acaatgtaaa 150900

cattttctag agtacttatg atgtagtata ttgtcaaatt agcatcaaga ataatgtacc 150960

ataatagttt ttgcctgta attttattta tgtgtatgta cagggttgct ttctaagca 151020

aataacaaa attatataac cttggcaaag taatacatft ttaatgctga cacagacata 151080

tcaagcaaga aaaattaggt atacagaagt cactcaactt caaatgcaga ttatattaac 151140

ttttcttcaa gtagacttat tgaaaaagtc ttttaactt ctgagatata tagaaataca 151200

aaataaagta ttactttctt ccccaaagca gtaaaaagtt gtatacttaa gactcttctc 151260

ttctgtgcaa gtaaactct atacctattc ttaaatgaca ttgtctata aatftttttt 151320

aaaggacgtc actgctagag tggatcttc attagaaatg cctctgtaac aaacactgtt 151380

gtactccct aatgctgatg ttacactgaa attttcattc ctccagaatc gatgcaaac 151440

atatcaaaca ctacaccata caacaaagaa aaagagatag caaatggaag tatattagca 151500

tagcaaatcc ttagcaatac atgacttact gcatgcacca aaaataatat tcacatctga 151560  
 aaaaattttg caacgcatta aaccctagca tttatatatt tttttctatt ctaaagtaaa 151620  
 attgaccaa caacttaaaa ccaacttttt ctttaaggaaa gaagagagag agaattgaca 151680  
 tataaacata aatctgaatt ggtcatatga ctaataatat ctatgtacaa attatccttt 151740  
 ccagggatat ctcacagtaa attcaacaaa atacaacttc aatgtatgtc tctgactccc 151800  
 tgtcacatat gcatatacat gcacacagaa aaacactatg aatttaacat acaggatgaat 151860  
 ttgcaattat ttctcattgg tcgaaataag acataaaaagc aaagcatttt gcttttatta 151920

agatgaacaa taatttataa ggtgatatga ttttcatccc aggttaagaaa atggtcattg 151980  
 actaagaaag cagtagtggc agacagagat tgttccaggg gctgcaaatt caagtgccca 152040  
 cagggactac acaggatatg tagatgcatg aggaagctga gctgaatccc ggcaacctac 152100  
 aacacacaag ccatacctaac ggcatatagc gcagccagtt gttgtcgtag tagaaatgcc 152160  
 caccttatgc ttcagatttt atcatttttc atgagaggga ttttttaatg ctggatttta 152220  
 aaaagcttct aattaatact caaaattttt taacctgtg cgagccttac taaacatgga 152280  
 tttatcccaa agtaattcag ttgacagtct ctatctagtc cataaaggag aaataatctg 152340

cccaaatca cacagtaggg cactggcaca tccaaaagag gttgtcctt ccaagaggcg 152400  
 tgcccaccac tgcccaccag tatgtgcat tctctgacaa agttgtatc caaaaccacg 152460  
 tttgtcact tgttctctgg ggcaccacta tgaatctggg ctattacgt tttccttttc 152520  
 tattagatc tctctcctag tctcaattat caaaactcca attagatcag cctcccatgc 152580  
 atctgagggt cttctcagc ttctgacttt cgttcaggt cttctccctc cctagaagat 152640  
 gccattact ctgccctcct tagtctctgc cacctctgag ggccagactt aaatactgta 152700  
 tttctaggaa gatttctttg aagtcacaa tgaagtcttc tttttgaaa tactactgca 152760

cttctaata gtacagtgc atattatcta ttgattatgc ttctgtttt gtagtattta 152820  
 tatacccaaa tctactataa attcctttag agttcaaact ctgtcttttc cttctttcac 152880  
 accatctaca ttctaacata ttactaatc taacatatta attctaacat attagtgage 152940  
 aggtgctaaa tactcaagaa atagtcttga ctgggtgacc tcatacctct tccaggctac 153000  
 ataaggatgc cataaataat cctggaaatt atttgctata ctattttagc atctctatta 153060  
 gtttctgaga gctgccataa caaatgctg caagcttagt gtgaacaat gaacatttat 153120  
 tctctcacag tgctggaggc tgtaagtcag aaatcaggct atcggcagga ccatgctctc 153180

tctgaaggct ctagaggagc ctggtttctt gcttcttgct tctgggtggt gccagcaatc 153240  
 ctgggagttc tctgccttgt agctggatca ctccagtctc tgcctctgtc ttcccatgtc 153300  
 cttctcccaa tgtgtctgcg tctctgtgtc cacatttccc tcttctcata aggacaccaa 153360

ttatatggga ttiaggggcc ctctcaaatc cagtaggacc tcctcttaac ctgattacat 153420  
 ctccaaagac cgtctctcca aataaaatta aaataacatc cataggtttc tggtaggacat 153480  
 aaattttgag gggacagtat tccattttat atagcagcta acctattcag ggttgatttt 153540  
 atgtagaatt caaaatagca gtaaccactg gagaataaac aatattctcc agtgagtttt 153600  
  
 cgttgcctac atatittaaa ggagtatcat aatttggggt atttgagaa acccactcat 153660  
 aacaaaaacta aaaaaactat tttgaactag agaaagtttc aaattttgaa ttagagaaag 153720  
 ttcaaaatta taaaaattg gctgatttta ggctctcttg ccccatgcgt tttaaagtat 153780  
 agattttaa accttcagtaa tccatgggaa gacctatgag aaagctaaat aatataataa 153840  
 ggagaaataa tctgcccata gtcacacagt ggaaaaagaa gaagagatga cagaaaggcc 153900  
 ttgtcccca tttccttgca tcatitgaag ggtttctctg atcttgtctg acagttacta 153960  
 tgttatctat tactgtgcct atggtagcac ttacataaat caagtaaata gatctagcct 154020  
  
 ctagccacca gaagtttgca atttacagac attacataa attaataatt tatattagc 154080  
 tggcagtatg acacattgga aagatcccta agtaatcatc acagccctgc cattactaat 154140  
 tgtgggacct gaacaggttg cataatctct ctccatagca cttcttact tgaataat 154200  
 agtgggacag cctagattat ctctaaagtc ccttccaact ctaagtagaa aggcgagatt 154260  
 ttctatgttt attgaatcta tgtttattga acctctgagt tggagggtat ctcagaagtt 154320  
 aaatagcaga agggaccaac actcattctt cagttcaaag tttcaaaaga ttaaaatagc 154380  
 atttcaatac atcacttcca ctgaacagg gtgggtaaaa cgttgggtgg agaattggaa 154440  
  
 atctattgat aaaggaagag acaagtaagg tggacctggg aggtgagaac tagggaacac 154500  
 aagagaatat gggaagtagg caggcaaatt aactgagaag ggtaaaggga gaagccgtgc 154560  
 cggggccaga agtgaagaag aacagaacag gaattataga gagaaactgc tgaataatca 154620  
 tttcagagtc caaagactga aaacattcct cacctagcaa ggatggagac atacatttct 154680  
 ccatttcaga aaattcatgc aaaataacta gaataaatac tcttgaataa gggatggaac 154740  
 tttctaagtc attccattgt aaaaatttga agcagtgcac tcacatgata ttatgagaaa 154800  
 gtcagccctt attggtgccc ttagccactt cctttcactc atctctgatt tttcagcctc 154860  
  
 agctgcagtg gacagttcca aacaagctca gacatgactt tttttggcag caacctgaat 154920  
 ccaggaggca ccataccttt cttctttatg gctggggcct tctcaactcc aaggaaacct 154980  
 gctcagccct tgaacaagcc cattctgaag tactagaaga gttaattgtc ccaggggcaa 155040  
 tcttcaatca atgagggatg gcagctaag ctcccaagt cttctgcctc aagtccttgt 155100  
 aaagacaacc ctgggatacc tgatttgctt tcaggaagtc ttgatcaatc aagccctact 155160  
 gcccaaggca gaaacctctt cctctatctc tcttttact ctctccctca ctctgtccc 155220

tctaaagtga cticccaaat ataccactta cacccaagtc cttctcagtc tctgctgcag 155280

actcagatgt ttcaaaaagt tgtctcctta gagaaagctc ttgaaagtaa tgagaagtag 155340

tcaaacttca agagcaacgg tggatattggg aggcacgaaa cctggagtct agttctgtta 155400

ctaagtggct gtatgacctt agacaagtca gctaactcat ccaatctgtg gtttttcaca 155460

tccgtaaaat gtagctatca ggctagatat cttaggtttt tccagttaac atggctctta 155520

atttgaaaat atatctccca atctatagtt cagaaattat gagatcaaag agataaggtt 155580

ccactgcacc tagattgttg ggatgcaatt gcaactacag tgtattatga ttcaaacct 155640

taatgagagc ctgcagtgat agaacttgat tcacagtctc agcagtgagg cttatttcta 155700

ttccaggctc tcaaatactc taataaccaa atcaaataga atatctacac tttttgtcag 155760

aaagaatggt atcaatgact tagaactttg gataataaag aatcttgtaa atttgtttga 155820

gttcatttga gattctggat attagccctt tgcagatga gtaggttgcg aaaattttct 155880

cccatTTTgt aggttgcctg ttcactgtga tggtagtttc ttttgcctgt cagaagctct 155940

tgagtTTaat tagatcccat ttgtcaattt tggtttttgt tgccattgct tttggtgttt 156000

tagacatgaa gccttgaca tgcctatgtc ctgaatggta atgcctaggt gttcttctag 156060

ggTTTTtatg gtttcggctc taacgtttta gtctttaatc catcttgaat taatttttgt 156120

ataagctgta aggaagggat ccagtttcag ctttctacat atggcaaatt tacaagaaaa 156180

aaacaaacaa ccccatcaaa aagtgggtga aggacatgaa cagacacttc tcaaaagaag 156240

acaattatgc agccaaaaaa cacatgaaaa aatgctcacc atcactgttc atcagagaaa 156300

tgcaaatcaa aaccataatg agataccatc tcacaccagt tagaatggca atcattaaaa 156360

agtcaggaaa caacagggtc tggagaggat gtggagaaat aggaacactt ttacactgtt 156420

ggtgggactg taaactagtt caaccattgt ggaagtcagt gtggcgattc ctcaaggatc 156480

tagaactaga aataccattt gaccagecca tccattact gggtatatac ccaaaggact 156540

ataaatcatg ctgctataaa gacacatgca cacatatgtt tattgcggca ctattcaca 156600

tagcaaagac ttggaaccaa cccaatgtc caacaatgat aaactggatt aagaaaatgt 156660

ggcacatata cccatggaa tactatgcag ccataaaaaa tgatgagttc atgttctttg 156720

tagggacatg gatgaaattg gaaatcatca ttctcagtaa actatcgcaa gaacaaaaaa 156780

acaaacaccg catatttcta ctcaaagggt ggaattgagc aatgagaaca catggacaca 156840

ggaaggggaa catcacactc tggggactgt tgtgggtgg ggggaggggg gagggatagc 156900

tttaggagat atacctaag ctaaatgacg agttaatggg tgcaacacac cagcatggca 156960

catgtataca taigtaacta acctgcacat tgtgcacatg tacctaaaa ctcaaagtat 157020  
aattaaaaaa aaaagaatct atatgagtgg ttctactaaa taccctaaat aaattgtaaa 157080  
cctgttttgt aaccccaaga cagatatgta ctgctctcat ttgtaacata cctcctttta 157140  
aatttttaaa tttttttttt ttttaacaga gacaggatat cagiatgttt tccaggctgg 157200  
tctcacactc ttggcctcaa gcaatcttct ctctcagcc tcccaaagtg ctgggggttac 157260  
aagaataagc cgccacaccc atcctagatc tcttttttta aatagaaaaa ttgagttctg 157320  
taaaatataa tcagattaat tttaaatgcc actgtaatca aatattcata attccattaa 157380

atcatatgtc ttaatccatg ataactaaaa tatagcccca aattagtga catgtttaag 157440  
cagcactgta gcatgttttg tgtcatgaga aactatttaa ggaacagctt ctgacaacat 157500  
tgtttacaaa tcagaaaaac agcagaaaaa ttgcatattg ttgtccttg gcatttcttt 157560  
tctgcatcag ctctcactt cacaggagac tatgtctctt acacatgaag cattttagaa 157620  
cacaatctag tcagctagca tacattctgc agagattcta tttatagaac tcagagaata 157680  
aagcagcaga aaaaaaggag atgtgcagtt acgaacgtct aacataaatt aattggtgag 157740  
gaggaagcaa cccaacctga acgatgccta taaaaaagtc taacatcctt ctgctcaagt 157800

ctgacctctt tgaagaactc aaaagagaag aagcgacagt acctggagg cactcctgtg 157860  
gccaaattca atttcaattc cagttttgtt tgtatgacta agtgcccagt tctgagactc 157920  
agcagcaata gcagaggttt actgtttgtt tcagatgggt tttatcagg caaggattat 157980  
ttctcatgct actacagcat cttattactg ataagtaata agatgtaaac cccattctct 158040  
ttctgggggt ttttaaagct aataaatgtg gcttatatgc tcatcgaagt cattccatat 158100  
ttgaaatatt tatgccagga aatagaaaaa tgttactttt cagatatcag ggaagaaaat 158160  
catccatttt aaaaattagc attagcattg cgagcttcac gcctgtaac ccaggacttt 158220

gggaggccaa ggcgggagga tcacctgagg tcaggagtgc gaggccaacc tggccaacat 158280  
agtgaacccc catctctatt aaaaatacaa aaattaactg ggtgtggtgg catgcgccta 158340  
tagtcccagc tactctgggg ctgaggcagg agaattctctt gaacctggga ggcgaagggt 158400  
gcagtgagct gaggttgttc cactgtgtc cagcctgggt acctgggtgg cagagggagc 158460  
ctccgtctca aagataaata aaaattagca tttatcatca tacatgctgg aaaggaagtg 158520  
ctggtaatga aaggtaagca tttcttttgc tctcttctt acagtccatt tgaagcaaga 158580  
tctgtgtcat ctggaagtct ctaaatgtgg tcacatttta tttctattgt taattcatgg 158640

caggtaaaggc aaggcacaaa tctgacatca attagaagtg gtgtttgcca atctgtgcca 158700  
ggcattgagc taagtgtttt atgtaggtaa tcacatttaa atctcaccaa atcatgttga 158760  
gcatcttgaa gaactaacct gtccaagatc atataaaaag caagtttcag aatcaatgtt 158820

taaaccgagt ctatcagatt caaaatcata atcactccta cagcagtcta tacaaaatct 158880  
 agaaattcca gagatgactg taattagaaa agaattaaac taaagataca caaagttccc 158940  
 agtcatagtc tctgaggctt tagtgcctgg aaagaagatc caatataata atagcattat 159000  
 caaaaattat ttigctatit tattcaacag tatactactt ttaggcatat aactcaaaag 159060

tcgatttcag aataattaag agttgaacca ctaaagaaaa tatacattga gaaaatttgt 159120  
 gtaaaaaata tattttaatc taaagagaaa taatctactt acaagaaatt caagtgggat 159180  
 gtcgcaggac tatttctttg ccatcattag aatgcagggt tagactaata attctctggt 159240  
 actaaccaaa tctaaatagt ataataaaac tgaataaact aaatctaaat agtataataa 159300  
 aactgtacag ctctctttg aggtagaaaag ttcccagcaa aggtttttaga gaagcaacat 159360  
 caacatcaga gttaagaga agggcatttt atacattata agagctagtt taggtcgggc 159420  
 gtactggctc aagtctgtaa tccaacatt ttgggaggca atggcaggca gatcacctgc 159480

agtcaggagt tcgagaccag cctgaccaac atggagaaac ctctctctta ctaaaatgaa 159540  
 aatacaaaat tagccaggca tgggtgtgcc tgctgtaat cccagctact cgggaggctg 159600  
 aggcaggaga atcatttgaa cccaggaggc agaggttgct gtaagccaag atcgtgcat 159660  
 tgcactccaa cctaggcaac aagagcaagg gaaactccac ctcaaaaaa taaaaaaa 159720  
 aaagatctgt aatctgtttt caggctccctt acactacttt tgatagttac tagaaggggg 159780  
 tgtccaataa aaaaggcagc agataagcag aggtatgatt agagctggga aaatattaat 159840  
 cgtatcattc attcagtctt atctctctt cctctcagaa attattttct gtcattttgc 159900

tcacataata atcagataaa ttattacgtt aaaaagaata tttctatct ctataaacct 159960  
 gagaaactca cattatccat aaaatccatc gaataaatc tatcataaag agcattatta 160020  
 ataaacttgt ttcccccgaa tttcttagtc ctctttccag gaattcttca ttatgaattc 160080  
 ctgtcctcta cttacaatct aggtgcaatc taggtacttt ctaaaatact atctttatac 160140  
 acacacatag acacatatat acatagacta taaaactcgc tcttcatagc aaaacttgct 160200  
 catttcaata ttttttttag ttacagtct gaacaagctc tcagacttga gccattgcac 160260  
 ttgtgcata ttgacttcta aattgcctac tgtttcagac aaggactttt acacaaagga 160320

aatagagatt tcaatttagt ttctaatttc caactctctc tctgttataa atttaattaa 160380  
 atcttcttct atacctatga gcttccaact aaagctgcaa cttgtactgg aaaatactca 160440  
 taaaaaaat aaagcacgcc acaccaataa ttaagtaacc aggatttcat agatcacaga 160500  
 ggaagaaatg agtacagtaa tataggaaca ataataataa gagttagtag ttactgactt 160560  
 tactgggtgc ccaggcactt ttacatgaaa taattaattc aaaaaacaat cctataagga 160620  
 aggtcactac tattatctcc attcaaaaga aaaagaaatt gaggcacagt agcttttgaa 160680

agttattcaa ccagtaatta gtggaggcaa tatttaaacc cagtttagct ctaaagccag 160740

cttgcttaac caccatacta cactgcctct gaaatttcat ttattgaatt aacatcatca 160800

acaaatatgt tactaaatac agccctatit atgagtgtta attataaaaa tgcattgagct 160860

tagacctag aattaataga ttcaaaaag atatgactgt atctgaattt taaaataaaa 160920

atgacattag aacattccta tttttgttgc agtttcaatg taaagcagct ctttaagtaaa 160980

aacaatttgg aatagaatat tgccccctaa ttcattgtcac cataattatt tccttaaaaa 161040

atgctaaaat gacttataat agtaatacat atgtgttagt atcaaatagg ataaattata 161100

cacaaagaaa ataattttta aacttttata aagcaaaaac tctaagcata atttaattcat 161160

ttgtcaacta atttatactg agcacttact gtgttcatgc agcatgtcag aggaccagca 161220

agaagaaaac agccttacc ttgagaattt ctgagcctaa gggaagtaga catttcaaaa 161280

ttacaataaa tgtaagggc tataataaag atatgttgta gagctactgg gaccaagaaa 161340

atacagcaat atttttgttg ggtgtgggaa actccaggaa gaccttcaca gaggcaatga 161400

cattgcaaaa tgtatgtgcc ttaccagtc agaggctgga gtaacaagt agagaacatt 161460

ccagtcaaaa ggaaacacat gaaagaacat ggcttgtttg gggaacaagc aggggtctcg 161520

gttcacaggg gcagaagatg aggcctggca gactatgtga cttgactact gtgctttaaa 161580

atgtcggtt tatggaagta cctactggat gcatgtaagc aaggaagaga tatggtctaa 161640

tctattctag aaaatttact ctgatttcag tgtgtctgat aagtcacact gtggggagga 161700

ccaataggga aggaattgca atggcttccc tgagagatgg taagggtctg agccagggca 161760

gcagtgggtg agaggagatt taatggtgag atggcttgcc atagcttctc tcaactcccc 161820

ctaatgctg aaaaaagaat gtgtcttaca gactgctgag taatagtcca aattcctttt 161880

aaagtaatat acccctggag tcactgttag tcaggttaca ctgctttgt aagatgaaat 161940

agctgaaaat ctacaagtc atattctttt tcaactgttg gaaacaaatt aagctataac 162000

aaataacaac taaaagtcta gcattcagta gggagataaa attgctaag aaaaatggaa 162060

cacacagttt atgctaaca ttgtataaac atccagtggg gcagaaaata cacacaatta 162120

cttgatttta aattacact gtaagtattt aacaaccttg ttccttgta tattactttc 162180

agtgttctta aatcaacttt aagagcctct ttatatctgt gcagcaggaa tgcattgaa 162240

atacaaggac tgtaagtctt ttattttcat ttagtaggga atccattctg ctctgttgcc 162300

cagactggag tacagtgatg tgatcatggc tcaactgcgc ctgacctcc taggctcaag 162360

ccatcctccc acatcagcct ccagagtagc tgtgattaca ggcatgtgcc atcacacca 162420

gctaactttt tttttttttt ttggatagag agaggactca ctatgttgcc caggctggtc 162480  
tcaaactcct gggctcaaga tatcccccta ccttaccctc ccaaagtgcc gggattatag 162540  
gcatgagccg ctgtgccag cctaaagtca aatatttcat taaattttac aaatcttga 162600  
gactttgaat attccaagtg aagtttacca aacagggata cctttaattt ttttttagca 162660  
cagattatct cccccccaa aaaattatct cacttttate tcatttttta aaaaatatga 162720  
attttttctt cagtcgagc caccatgcc aagtaaaatg tctgtcttgt actagccaac 162780  
acttccccca gaattactat cttttttttt tgcaaatgtt taaacattta taagtttcat 162840

tcttgattg aatacaggtc ttgaagggc aacattatit caataccta cataatgctt 162900  
atttaattaa gtagtgtct actacacatt ttaaataatta tttctgacta ggcacggtag 162960  
ctcaccctg taatctcagc actttgggag gccaaggcgg gtagatcacc tgaggtcagg 163020  
agtttgagac cagcctggcc aacctgcga aacccatct ctactaaaaa tacaaaaaaa 163080  
aaaaaaaaa agctgggcat ggtggtgggc acctgtaatc ccagctaatt gggaggcaga 163140  
ggcagaagaa ttgcttgaac ccaggagggt gaggttgcag tgagccaaga tcacaccact 163200  
gcactccagc taggcgacag agtgagactc ttgctcaaaa atagtaataa taataatata 163260

aaacaaaaac tatttcttat aaaatcttcc tatggtttga atgcattctc caaacttcag 163320  
gtgttgccac tgtgatagta ttaaaagggt ggtccttgaa gaagttagta ggtcatgagg 163380  
actctttcct catgaaggag attaaagccc ttataaaaca ggcttctttt aacaaattta 163440  
caagaaagaa acaacaacc ccatcaaaaa gtggcaaagg atatgaacag acacttctca 163500  
aaaggagaca tttatgcagc caacaacat gaaaaaaagc tctacatcac tgatcattag 163560  
agaaatgcaa atcaaaacta taatgaaaat accatctcat gccagtcaga atgcagatta 163620  
ttaaaaagtc acgaaacaat agatgctgac aaggctgtgg agaacagga acgcttttac 163680

actgttcgtg ggaatgtaaa ttagttcaac tattgtggaa gacactgtgg cgattcctca 163740  
aggatctaga acaagaata ccacgtgacc cagcaatctg attactgggt atataccaa 163800  
aggaatataa atcattctac tataaagaca catgcacata tatgtttact gcagcactat 163860  
ttacaatagt aaagacttga aacaaacca aatgccatc aatgatagac tggacaaaga 163920  
aaatgtggca catatacacc gtagaatact atgcagccat aacaaaggat gagttcatgt 163980  
tctttgcagg gacatggttg aagctagaaa ccatcatcct cagcaacta acacaggaac 164040  
agaaaaccaa acaccgata ttctcactca taagtgggag ctgaacaatg agaatacatg 164100

gacacaggga gggaaacatc acacaccggg gcctgtcagg ggaggggagc aaaggagggg 164160  
agagcatcag gacaatact taacgcacga gggggcatca aacctagatg atgggttaat 164220  
agctgcagca aaccaccatg gcacatgtgt acctatataa caaacctaca tgtttgcac 164280

atgtatcccg ggacttaag taaaataaaa ataaaataaa aaaggaggctt cctatagtat 164340  
 tcacctagct tgcccttcta cttcttatgt gaggactcag caagaaggcc ctcaccagac 164400  
 ctcaaatgct ggtaccttgt tcttggacct ctccacctcc agaactgtga aaaaataaac 164460  
 ttctgtgctt tataaattat ctggctctgt gtattctgtt atagaagcac aaaatagact 164520

aagacaaaca tcaatattta tttaaagtgt acgaaatgtt gtaaactcta ttggtatggt 164580  
 aaccttctcc acaaatgtgt taaatatatt taagcacatc tcagtcagct gattaattgg 164640  
 tttttaattc acigatctct tggttctacc cttttttata tttttattat tatagagatt 164700  
 aaaactacat ttaatctaga gacactaaat tgtgcagtta tattacaatt ttatttaagg 164760  
 atgcagccat cattgtattg taagaagtaa gatatgtgca gccittactg tctgcagctt 164820  
 tttattatgg gcaagggcaa ggtcttgagc ttggtccaag ccagcagcaa cgagagatcc 164880  
 cagtttgggg cttatgacag tgtgactttt ctctgcctgt tcttaccacc ttgttctcca 164940

ctgtgccatc tgccatatgc ttatgcagag atccggagtc acaatttgcc tttcttcctt 165000  
 aggccttgctg aataacctta tctctagtc tccaccgata acctcatttc taccttccaa 165060  
 aatgaaatc aattagtcaa tatagcactt ttgggaaaa cccatcatat cttagaatg 165120  
 tctcttatta tattattttc aaatgctaatt ttgaaattat acctaatgtt ataaatatca 165180  
 caagcaatga agccactaat agttcaatct tactgggata aagatgggca gaggcataata 165240  
 ttctccagac ttttaattta gtagaatttt atgtccctaa ttcaggaaaag ttcagtttgg 165300  
 tgggccggca aagagaatac acaggaatgt gcggctgtat atgagtgtgt gtacacatgt 165360

gtccgtatcc ctgaaaatga gaatctgcat gtgtgagaag tcacatagag gtgtattgtg 165420  
 ctgtgtccgt tcagaataat caatgtcttt ccattggaac taatttatac agtgcttgtt 165480  
 ttcagttttt ttgtgtgtgt ttaagtacaa attcataaat agttcagaag cctgctagtt 165540  
 ttatgaactt ctcaacctaa caggattttac caagtgaatc aaagcagatg caagcagcag 165600  
 gctttcaaca caaattttat ctttgtcatt aggtttccct ctctgctctc tcaactcctaa 165660  
 gggaagccct ggtacagact aagataaact atatggatga tatggtttgt ctgtgtcttc 165720  
 acccaaatct catctcaaac tgtatttccc ataatcccca cagtcatgg gagggacceca 165780

gtgggaggta attgaatcat gggggcgggt acccccatgc tgctgttctc atgatggtga 165840  
 gtgagttctc aggagatctg atggttttat aaggggcttt tccctctttg ctgagcactt 165900  
 ccccttecta tcatcatgtg aaggatgtgt ttgcttcccc ttctgccacg attgaaattt 165960  
 actgaggcct cctcagccat gtggaactgt gactcaatta aacctcttcc ctttataaat 166020  
 tatccagcct tgggcagttc tttataggac cgtgagaacc gattaatata agagaccact 166080  
 gctgttttca ttactatagg ttaatttgac atagtcataa tggggaattc gtgtttttaa 166140

tttattttta aattcttaag ttaattaaaa tatgttcaac atacttggtg gcgtttcttc 166200  
  
 tggatacaaa aagatttgtg gtaaatactt tatccttttc atcctcatct tagaattata 166260  
 gcacaatagc tagcatgtaa tagataataa atatttggtg aatgaataat gatttgaaaa 166320  
 aaaataccag tgggaaaaca taaatgttga caagtagttc aagactgttg ggataaactt 166380  
 agctagagtg caggtcataa ctacccatct ttataaggaa gctgaaaagg gaagtatgag 166440  
 gacagggaga acaatgactt tctctctcaa gcttgactta aaccaccagg aaagttctta 166500  
 aagccaaagc ctttctcaga ctctcaccaa accataagag tcagaaaaat ggtcgttttc 166560  
 aaaggagtag aaaattctgt acaaagtaaa caacagctga agcaggaaaag gaacatacat 166620  
  
 tttctcactt agtggcacgc aggcaaaaca gaacatagga ccagcttggt tattttcttt 166680  
 gaatacagga aatttctcaa acatgatata tagccatgtt caagtatgag cataattaca 166740  
 gaggttccctc tgtacccttt aatcagccta taaactcaac agcagagtct tgtcagaata 166800  
 ggcccaaact ggaaaaacca catgtttctc tctctcagaa aagatactaa gcttaggatg 166860  
 tgagcagcgc accatgagag cacaaggtgt tccttctctc tcaaagtcag tcccagaact 166920  
 gaaaagaaaa acgttctcag ttggcatcac tgcctgtttt ttcattccaac aaagaatatt 166980  
 cgctatgaat tttctcaagc aaaaagtcac tgaattcttt taacaggggc agactcaagc 167040  
  
 actttttatt aagagtaaca aatcaatcat gaaatgaacc tcatgaaata tgctttatag 167100  
 gtaatgtgaa caaatgtaca atgtgacaaa tgattcaaga agtataatta tctacaaggc 167160  
 ctgtttgaa ggaaaaaaa agctgtacca aattgatgct ttagctgctt ttgcttatac 167220  
 tttgctgtgt ttataactac atttcattta atcattaact gtatctttct gtcattaatt 167280  
 ccctttacat ttttaatgac taaatgggat tctggagtga ttagcagata atctcacact 167340  
 tttttgtaaa aatgtgcatt tagccataat agcaaagctc catttatggt acacaatttc 167400  
 ttccaataa tatgcaata tactgcaaat atttcaacac acacaaaacta gaagtacaaa 167460  
  
 aaaattaaga tattaaaaca ataaattata tttaaagca tattacattt aaataagttt 167520  
 aataaaaact taaataaact tgtttgaaat aacactttac cttaaagaa actttacatt 167580  
 taaatgcac attttataaa tcattctcct tcattgggaa gttatttttt taattattct 167640  
 aaaaagtttt aaaatctcat caaacacatg ctgtggattt aggattggga agaaaaaat 167700  
 gtgtagaatc aacatgcttt aacattcaat gtaaaagtgt tctcagtaat ctcagctctc 167760  
 agtaatagaa aaaggaaaga atatcaccca tgaaattaca cctaatttta gaggatagct 167820  
 ttcagtccac cttcgatagg aggcaccact tgtggtttga cacagcacag ttccactgtg 167880

acgtttgtca ctttttctg agccctgcct tcccacagag aaataggcca ttcatgccg 167940  
 taaccttcca taaatcttt cagaagagct ttttaataat ttggaggta taacagagat 168000  
 ggtgatctaa ccaacctaga caaaagccta cggtcaaaat taaacctgat tgaaattaca 168060  
 aggaaaagcc ctgggtgaaa gcactccatt tatggctggg taaaattcat aatgtatttg 168120  
 ttccaaggt tctcaagaga gaagtcacaa atctgtttgt ttctggccat aggttttgca 168180  
 tccaaattta agcttctga ctaataggta atggtagtca actaatcatt gtatggctgc 168240  
 ggagttttgt ttgtttgttt ttgtttattt ttagagacag gatcttcagg atcttgctat 168300

tttacacagg ctgccctcaa actcctgggc acaagggatc cttttacttc tgccttccaa 168360  
 gtagctgaga ctacaggcgc atgccactgc acccagctgt agagattttt ttaaaaacca 168420  
 acaaattcaa taacatataa tcaagtatta ctttataaat atgttaggcc ataccgctt 168480  
 ctttctagaa aacgatttct agaataagag aaatgggcca gtcaatactc tcagataata 168540  
 taacaggaga gtctgatag gcatcaaacc aatttcattc ctctcataaa gaacccctct 168600  
 ctgctctgcc ccgaaatcaa atcctttcca tgcctttttt cccagtcag aggagttag 168660  
 aatttctcta gtcttagctc ctacaccttc agccaaagt ctggacagca tcatctacac 168720

tacactactc atctcccagg aggccctcag cctactgctg tctgccttct caggctgtca 168780  
 tgacagcaag catgttctta taaatggcaa atgtcactaa acctaagggg caactttcag 168840  
 ccttaatctt cttgacctc taagcagcaa caaggctgat aatccctct ctcccagag 168900  
 tttctggaca gtgcactccc atgctttcca gtagaatata cagaaaaagc ccacaatctc 168960  
 tgaagctagg atgcctggtt ttaaatcagc tctaccatat actggttggg gacagtctct 169020  
 aagttactta acctttctgg ggctcacata tttttcatct gtaaaatcag ggatcacagt 169080  
 agcaccaacc tctcaagaag attaaattga tctaataat gtaaaaacac ataacacagt 169140

gcctggcaca tagtaagtgt catatatgtt ttaactttta ccactattat tattattatt 169200  
 atcattatgc tcttctctg gtcacttctt cttgtttggg atttgtcaag gtttgttctt 169260  
 agaattcttc tttgcccct tctcttcta tttagtgatg aggactcacc ataacctcca 169320  
 gccatgcct atttcttgaa caataacat atgtatgcaa ctgcctgctg gatatttcaa 169380  
 attcaacatg tcacagatg aattcaactt ctctcttcca agcctgttcc tctcagtgt 169440  
 tctctttctc taaaattgca accacctccc acacaggcat ccaagccaga aagcaagaat 169500  
 catgcctgac tgcattccc ctcatcttcc aaatgcaaac gagtctgca gattctacct 169560

acctccttac tgtttttgag aacatcccct cctcttctaa ctgtgtcagt ctagtctagg 169620  
 tcaccactat gtctctctg gaccaccttg taccttcaact gtcagtctta tcttcccta 169680  
 aacattttcc acatagcaaa gagagcactc ttcaaatgct caaatctgct tgtgtctgtg 169740

actccactta aaagtcttcc atgtcataac taatatggcc cacagagctc ttcataatgt 169800  
aatttgacc tgcatacttc ttaagcctca tttattatcc ctctccctct tacacaactt 169860  
tcactcttc aaatctctgt cccactgga ccttcacata tgctgtttcc tcagcctgga 169920  
actttttcc acctcacaaa cctccccact tcacttgact attcctatcc aaacacgttt 169980

cctcaaggag acttctctg acaccacag tatattcagt accctatgct cattaaaaa 170040  
acaacaaaa aaaaaactaa ctgcagtctc ctgaaaatat tgttttctta taatttattc 170100  
aaatatgaa ggtagcatg caaataaata attggaaact gtgataccta ctatgaaaga 170160  
aatgtctgt ttcctcacc agactataat ctcttgagga caagacctt tctgaactca 170220  
atgcctagaa taatagtctt tcacatgtat gttatatata tatttgtagt taaatctgta 170280  
gaagaagagg aatatgatta atgccaacag gaaaatacat aatggaaaag aaggagaaag 170340  
catcattgcc tatcagaact tacctgttat attatctggg agaattgact gtcaatacc 170400

atctccacac accaaccctg cgctctaat ttcactcca tagcctgaac gaaatgaaag 170460  
gtaatctatc aaatagctga gataatccct gatacatgtt ttgaattggt caagaaatat 170520  
taacaatttg ttgtacatgt tacattgcag tagacatcaa actctattca aactaaaaga 170580  
ctgcaaaggt tglagaagct aaaggcaaat gccattatat gaaacaagta taagacattg 170640  
gtatacaaac aatatgtgaa aaataatctt ttaaatttaa aatctgtctg taatgattct 170700  
gccttagagt ccaggtaat aaaagataac cagataagtt tgctaaatag aaatggcgga 170760  
ctaaaaatac ggttttttaa atatttttgc ttttcatctt cttgtcttc ctctctcacc 170820

ccctctctt tcttctctta ctctttctt tctccctctt tctcccatg cctgcccata 170880  
aataatatag tactgtatta gtttttttt tcacactgct ataagacat acctgaggct 170940  
gggtaattga taaagaaaag aggtttaatg gacttacagt tccacatggc tgggaggcct 171000  
caggaaactt acaatcatgg cagaaggtga aggggaaaca aggactttca catggcgga 171060  
agagagagaa gtglaagcag gggaaatgcc agatgcttat aaaacaatca gattttgtga 171120  
gaattcactc actatcatga gaacagcatg ggggaaaccg cctccatgag ccaatcacct 171180  
ccctcccttg acatgtgggg attacaggtc ctccctcca gacgtggaga ttacaattga 171240

gatgatactt ggtagggac acagagccca actgtatcaa ctacattatt catataatgt 171300  
cagagatgtc cccctgactg gagattgtc aaggaaatca aactagaatc aaaagatttt 171360  
ttaatataaa aagaaaatta taatttgtat taaatcaaa tagtaaatgg ataaacaagg 171420  
aatgtcttg gaaaaaac tagaacatga aattactcta taaattaatg tcagataatt 171480  
gctaagggca gaatcaattt tatggaggag ggataacaca aaaatgtttt aaattgtttt 171540  
aagttgggtga tgggtgatt ttgggtaaga taaaccatta taactaactc cagaacttgg 171600

tcttagctat ttgagacctg atcttaagca gaattacatg ttttaactta agcctgacaa 171660

ccccactttt tcttgtaagt gatccttgag aacttatttg gagcttctat caagtaattg 171720

gggctaccca cagactaccg aacagaggac agtcttatcc aggaattcct tccactttta 171780

tcaagtaaca gtgttggaag ggacaaacat ggaatcatca agagaggag aatacaagcc 171840

taggacatca tatcaaacaa ggtctttgct caatgacatg ccaggagggt cttccctcat 171900

ccctctatct gaaactgaaa ccctccacca cactctctat tccatatttc tgctcaacat 171960

tctcctcgac catacctacc atttaacata aaaaatattt catttattca tccagtttgt 172020

tttctgtctc cttccaccaa aatataagct ccacgacatc aggaatgact cctttttttt 172080

ttttttttt ttttttgaga cggagtcttg cactgtcacc caggctggag tgcagtgggtg 172140

cgatctcagc tcgctgcaag ctctgcctcc caggttcaca ccattctcct gcctcagcct 172200

cccaagtagc tgggactaca ggcgcccgc accgcgcctg ctaatttttt gtatttttag 172260

tagtgacggg gtttcacat gttagccagg atgatctcaa tctcctgacc tcgtgatcca 172320

cctgcctcag cctcccaaag tgctgggatt acaggcatga gccaccacgc ctggccagga 172380

atgatttttt aatcatattc actactgtat tcccacagct agaacaggac ctagcacata 172440

glagatactc aataaatatt tgttgaatga ataaatacaa taaaatctat tcttggaatc 172500

agtatggtaa ctgacagtgc atttcagatt acctttacct ctacatggtt cagttaaag 172560

tagctagaag tcttgccata gattaaattt taaaatgatt tcttgacta atgataagag 172620

gttggtggtc accttgatca ataaggaagt gctaatacaca tatgagtcaa ttcagattaa 172680

ctccccagaa attactctat atccacattt atgtgagtgg atgtccagaa gaaagtatat 172740

agtaagtctc ttigtittga gaatcgtaaa ggagaaactg cttcacacca aaaacagaat 172800

ggggaaatag aaagtgtga gaattatggg tctcaaaat ggtagacatc tgcaccacc 172860

atgatcagat aatccagagc aagcttgcaa cctaggagga gggaccatgg caaatagtec 172920

ttgtataagt gcctggatca agagctggag tagaggacac aattaatctg ccattgccat 172980

tccacatgca gtaaagaaaa tgttgcttgc taattccctg gagaaccaa gaacagatgt 173040

gctgaggcca actgaatata acccagaatt cctacctag cactcaaggc tccattgatt 173100

tgcccagata gatgtcaaat atccagtgtc atcagactgg tcattttttc cttatcagat 173160

atgctcttac aatatacatt tgtcattttt cagctaattg ctcaaattcc aatttcctcc 173220

aatcctatcc atctactttc cttaagatat aatggcaaga catcttctc tcggccttcc 173280

ttgactaaac taatctcaga tttcctgtgg aaattataaa aataatatct tagatttgca 173340

gagaagttaga gaatctacag agcacattca cagtagtgtc cccccacttc cctcccaca 173400  
cacacacatt ctttctgtgt cctaaccgaa aatctcagac tgccttgacc atttctgac 173460  
ccggccagac gcaggttttt cccagcaggc ttgaacccaa actggggctt tgaacattcc 173520  
taagtactaa taaaggcatc taggtcgttg tccaaaacac taaaactaac tggctctagc 173580  
cctgagctga attcctgaaa cctcatatg aactccctac ccttaccgc tctgcagac 173640  
aaacctacgt agaagccttc tttgtcttg tctatctcaa ggactgctgc agccctctgt 173700  
aagttccctt aataagtgtt ttggacagat caccctggta tttgggcttc tttctttgga 173760

atctcaactg gctccatctc aggacagttt ggggcatgct cttgtgggga ttcccatgct 173820  
ctgggggtga gtccagcttc agattctgca ttcacatact gacttagata aatacacagc 173880  
agtgtactat tttatagaca catgtttttc ttgtacgtgc aagccctata gcctttccac 173940  
ggcttctctt tccagctctt agtagggctt acccaggagt acacatgtta atgaagaaat 174000  
aaaattagtt tattatactg aaaagtactc ccagggcatt tgtcatgata acaactgagt 174060  
ttattttgtt atttcagtga tgaaagtgtt tggtaatgat ccaaagcaaa ccaatctttt 174120  
tcaaagtttt tagtggttag tgtaacaaaa atttagtgcc tagtggtgac aaaattccct 174180

acctgacaca gtattaaaac gttttacatt caattctctc aaagactcag gtatgtgcta 174240  
cataccatt ttgtagatta aaaaaaaaaa ccaagtctta aaaatgctaa ctaatttgcc 174300  
catataagca gattgagaat ctgaatctgc tctgtttgac ttgaaagcag aagcccttag 174360  
gaatcacact ctgcagtcag gcactattct attacacaca gtgtatcggc agggctgcag 174420  
tacaacaaga ggtcatccca aatatcacca gggacattca gggctctaaag caaatatgta 174480  
caacttcctg gggcctcagg cagagtcatt cagtactaa gggaggcatg cagtactaa 174540  
gggaagaaga ggctgaggct aaataagact ggaaatattc aagtaacca tgctcccacc 174600

tcatctctaa gataaaacga gcttttcttg gggaaaaagg actgaaggtt tcattttcac 174660  
acacaccact gaggtttcag gtgtttaaga ggttgctta cttcttttc tcttttagtg 174720  
ctacctacta atcttcattt gaaccagatt tatctgaccg tattaataga ttcagggttt 174780  
gaaaaaggtc aggacacagt gagagcctca gtcattagcc taacagtcta attttctttt 174840  
ccaaatata tcaactattt cttttattgt ttagagcat aatggataaa tgcacagatt 174900  
ttgtttcacc attctctcac tgtaggacct tggaaatgtt gcttaacttc tctgtgcctc 174960  
aatttactca tctgtaaagt agggataaca atggcaccta tctctttgga gatattgtga 175020

ggaataaatg agatagtgtg tataacatac ttaagatatt gctgacccaa aataagttct 175080  
ccataagtat ttgtattat aattattata taagtcatgt gtcataagga ttataaaaaa 175140  
tgatagctaa tattcaatga gcaattatgc taagtgtctc ccatattttt ctcataataa 175200

ccctggaagg tagatattct tactgtacca atttacctga aacagaggct cagaaatgtg 175260  
aatccacaaa ttacctagge aacaaatgat agagttagaa ctaaagccta ccaatctact 175320  
ccagaatcaa gctcttaact actatattat ttcaagtagg taatgatact tgctaaaaga 175380  
tactaaagtt ttgctctgtg ccaggcatag ttctaataac tttacaactc tttcctcaat 175440

taattatcac agccacctta tgggatggat gcttttattg ttttcaatat acaaaggaga 175500  
aaactgaggg accagcatta gataacttgg ccaagatcac atattgtatt agttcgtttt 175560  
cactctgcta taaagaacta ccaaagacca gataatttat gaagaaaaga ggtttaattg 175620  
actcacagt catcaggctg cacagaagca tggctgggag gcctcaggaa acttcagtc 175680  
atggcagaag gtgaaggga agcaagttca ccttaccacg gcaacgcagg agagagaggg 175740  
caaggaggga agtgctacac ttttaacca tcagatctca tgggaactca ctattatca 175800  
taagaacagg atcggggaaa tccaccccca tgatctaate atctcccacc atgtccctcc 175860

cctgacactt ggggattaca attcatcatg agatttgggt ggggacacag agccaaacca 175920  
tatcacacat ctagtatatg gttaaggtaa gtgtaccca tactaaaaag taaacaaagc 175980  
agaggtgcta aattttcatc tctgtgacct aataccagat agaggataac aattttcaaa 176040  
aaggaaactc ctttctgcta tgttcatctc aacagtttct aagccagtgt gactaagaga 176100  
aagactcaat actagaatca taaaagaact gattaaatgc taatatattc tgttttgcct 176160  
tactactcaa tcattttcca cctctactag caggcatitt caatagtcatt ttttaatgtc 176220  
ctatacaatt tgaatagaat ataattctct attagcaaat atggatcaat ttttcacatg 176280

aagcaagacc attgatttca tttggttcat gacccaagga agttatggac aacacaggga 176340  
gagatggtgg ctgagtattc attctatgia actatgacac aaaggagaat ctgccaatga 176400  
tatacttagc caaaaccgc aggaatttac agtcatgact taacaatact aatggataac 176460  
aattgataag gtgtgaaaca ggatcacaca ctagccaat atactcttga agtctttgtg 176520  
caaattagaa agacgagctt tggtttgctg agcataacac aaacttggct gtagcttctg 176580  
cactctagac caagggcttg gtgtatgttc caaacagatc tcaatgaatc tgagacaata 176640  
tggaaggta tttttagaag tcttaagaga catgatcaat agcaaaaaca gaaacatact 176700

gatatagatc ttgagaaaag aataaataca tgagtccaaa aaggaaaatg gcaagccaat 176760  
tttctttaca ggacaattgt gtgggaggac ggcaatgtgt cataggaaat aatacttctc 176820  
aatggttagg acaaactttt tagatccctt atatttatat cagaattaag tacttgactt 176880  
gctggaggaa aagcacaaga ggaatatatg aaagagcaat gaataaaatt taagattttt 176940  
gtggatattt tagaatgtta ctctaggtta taaaaaggtc atgatcaatt atgttatcac 177000  
aaattaacta ctagaagaca aataattaat taacaagaaa tggtaaagga ccccgattag 177060

gaaaagagaa gacatgatga caatggtaat aaaaattgac caaaaaagaa aaaaaaaaaa 177120

aacaccggca gctactgagc acctaattgct atgagcttta ccttcattac cttcacaata 177180

accttatggg aaagcaccat tattagtacc attttacaga tgaggaaact gaagcgtaag 177240

aggttacgtg acctaaccag gatcicatgt aaaataatag aacttggatt tacaccagg 177300

cagtttaact ctggagtta cctacttgac caacagacta tacagccatg ggttaaactg 177360

aagaaaacag ccaaaattga caagaacact gatgcaggta actagacaca tcaaatgttg 177420

tcccatctcc atttgcgtag ggaaaagtca gaataatgat gtccttgata gcgatggaat 177480

acgtgaccag aatagagtga taaaaataat gagatacaat gaaattcaaa tactgttaaa 177540

atgacttctc tactaagcag gaaaatagtt tacaataagg aagacttaga ataaacaaaa 177600

tggaatgaac ttccatgcct ggcttcactt tgcctttttg gaattgactg agaacaagtt 177660

tgctgtgtag gcgtttcgtg gtaatcactt tactattatt aacaatgaca atagttccag 177720

gcagtatttc atattttacat agcagccttc aacataggag caaaagaacc tggcaaacat 177780

tctcattttt attattgatg gcttagatta ataaagtgtc ttcctgtcag agctcattaa 177840

tccttacaca gactcctgtg acacaaaaag gcaagcaatc catttctaca ttttacatat 177900

ggagaaacca aagctaaagg acctgtgcat aattgcttag caagactgta gctgagccta 177960

gaatgaaatc ataaagaacc cagtgttttc ctgcccttga gtgaaactct ctcatttaca 178020

gcttcttact ccaaattatc tgagacattg gggccttctt taacaatgag acctcctac 178080

tcagattttt actgccctct gtccaagctg gattccctct ctctccttcc ttttaactgc 178140

tcacctctgc tctcttacct ctcttcttca aaccaacatt actgccagaa tcattttctt 178200

aaaccagttt agaaaaaag gagaggttct tcatcatcta tagaaacaga ccccaaattc 178260

cttcacagat cattcagggc ctccctcagt ctggcccaa tctattttcc tagccatgtc 178320

tctgatgcca tgtccctat gcataagcca cgcaagccta aacttctgaa ctccaaacc 178380

actctgctcc ttgatcattc tgttcctct tccagaaatt accttccaa ctccagcact 178440

atcaaaaat gttgcattt ccacccagc gctgtcttcc tcatgaagac ctctgacct 178500

accatctgta aaggactgct tctccagct cctccatgtt tagtcttatt tgtaacactc 178560

accacattct acctaggact acagggactt atgaaagtac atccctcttg ttagaacgtt 178620

ctgtcactga gattccaga gtcaggttct atgtcagatt ttgtgacagg taatgggtga 178680

aatgagaaa catccctgct tttgtgaggc ttatagtctg gcagccttcc tcatttatgg 178740

taccttatct aaatagcaaa acactatttt ctcgattttt tcaagggtgt tacataatag 178800

tgccatgcta gatgcataaa agagacattt attcattaca tacaacagat actttttagg 178860  
 agtggttctc aaagtatagt tcacggaccc ctgagtgtcc ccaagacctt ttcattgtgc 178920  
 ccccaaatta gtcaaaacta attccaaata atatgaagac atggttcaac attgtcactc 178980  
 tcgtactctc acaggtatat ggcagtcctc caaaggtagc ttgatgtata gtataacaaa 179040  
 aaattgaaac aataggtaga taggagaatt cagctgcctt ctgttaaagc agtcattaac 179100  
 cagattggca aaagtgtaaa acaatgccac ttgtcacta aattattttt atttcttaaa 179160  
 agtagttttc ataaaaagat aactatttat gttaacatgt aatgggttta caatcattga 179220  
  
 tttttaata aattacataa atatttaciaa ttttatattt taatttataa aatggtaaata 179280  
 accagtggct acaacaaaaa ttcttttagt ttctcattac cttcaagaa tataaaggga 179340  
 tcatgagact aaaacatttg agaattactg cctgagggca gtgggctcat gtctctctgc 179400  
 agaacctcat ttgagaatgc ctgggtagaa gctgagtta gagacagggt ctgtctctgt 179460  
 caccaggct ggagtgtta tcacagtcac tgcagctca acctccagggt ctcagggaat 179520  
 tctatccct cagcttcccg agtagctggg actataggca catgtcacca cactctgcta 179580  
 attttttctg agagtcagtg tcttctataa ttgccaggc tggcctcaaa ctctgggct 179640  
  
 caagcgatcc tgcctcagcc tcccaaagag ctgggattac aagtgtgagc cactatgcct 179700  
 gctctcaact tctatcaaag aaactatcct actgtgtggg atttattcac aagattttct 179760  
 tctttctctc cccacctca aagcccccct ctttaatagt gagctgtta gaaacaaagt 179820  
 gaaatttctc ttgtttctg cagcacctgg tacagagtaa acagtcagta aatattctgt 179880  
 ggaggagggg agggagggaa gaagtgaggg agtgagggag ggaggaagga aggggaagcag 179940  
 ggaatatgag gggaggaggg aaggaactgt gtgatattta atcttccaag actctaccac 180000  
 agtaatctgc ccattgaaaa tgtctgttaa ctcatgtaa atgtgtttat gttgatatca 180060  
  
 tacctaaagt gaccaaggca ccaatagttt cacctgatat gttagaaaat cccagtagag 180120  
 tttagaaatc attatttcta aaggcaaatt ttaaaagatt tctcttataa gtaaattaat 180180  
 aaacaaatac ttgtgcacac tagtctttca atagcaaagg ataattttgg gataaagaat 180240  
 gatgcaaacc tggaaaattg atatagtcag ttgggtggc tatgcataaa ctatcttctt 180300  
 tatgttttag acatctttta taattagaag tgacttccta tagctaaaat atcttattta 180360  
 ttgattcaga gtaataaga atgggcagaa ttaagctgaa gacaacaaa cggggaaagt 180420  
 taaagcaaaa ttgtgcatta gcaagtcctt ctctaatagc cttctgagcc cctcttccc 180480  
  
 ctctagctg ctttgcaccc tcatggagtc cttcactagc caaggcttcc ctcaccaagg 180540  
 taccacctt ggatgagacc gcttaggtat catctcattc ttttaattca tctgtgtgca 180600  
 acttaatcca cataattttt acaattaaag aaatttagac accatctatt acaattctct 180660

catatacagt tgaagctcag ctttgtctta tcttgaaatt attctttgct gttgaagaac 180720  
 tgggtgtcac aaatatttgt tcatgtatta cttatgagag aaatctttta aaattcacct 180780  
 ttagaaatca ggatttctaa actgtactga gattttccaa tataactcggg gaaactattg 180840  
 gtgtcttagt cacttttagaa attaagactt gcccaaggga atattaattc atgacatagc 180900

tgggataaaa atctagcttc aagggtctct ctttttccag aaactatatg aataaatctt 180960  
 ctaaactcga acaaacactc tgctctagac cattcttgat tccctctcca tataaaaatc 181020  
 ttgaacaaaa caccctgctc tagacaattc ttgattccct ctccatataa aaacttttcc 181080  
 tatatattcc tgcagtgtcc tgctatttta atgcaccata tttattcaaa tgttggtttta 181140  
 gtacctatga tccaaaatcc attacgacca attcacacct taattcaagt tagttttatca 181200  
 ggtagcaag ccaatcaatt tgcctcataa catttctgtt tgaatagcaa tggttgaagt 181260  
 cttcaactaa aagaacaagt ggaaatttta tacatgatat cagattcaga agcagagata 181320

gatgaaaaca gaatgtgttt tgggttcctta aattataaca cagagtcaga catctataca 181380  
 aaggacaaaa actacaataa gtgcaatgaa tgagagctta ttgcctgtga tgcttcactt 181440  
 tgttaacctg aaccttggtt ggcaacagga tagtaggata gtcaaacaaa catatgacat 181500  
 gatataaagg tgcacaaagc tatcttcact ggattgattc caggacaacc ccggaggata 181560  
 ccaaaatcca aggatgttca aacctgttat ataaaatggg agtatctgca tataatttac 181620  
 acacatcctc ccatatactt tgtcaactct gcattaccta tggtagctaa tacaaggtaa 181680  
 atgctatgta aatagttatt atactgtatt gtttataaca agagaaaaat gtctgtgtgt 181740

gttcagtaca gacataacca tcataggcct aactacattt tcaaaccatg gttggttaaa 181800  
 tctgcggatg tgaactgca gacacaaagg gctaactata ttagtctgaa actcacaaaa 181860  
 gatgaaatat ggtcatttct tggatatatc gggacctcag gtctctaacc aaatccacac 181920  
 atactcaagt ccaacaatca gccttatagg aaaagtcagc cctccgtatc tggaggtttc 181980  
 acatcccagg aatactgtat ttttaacca agtttggttg gaaaaaaaaa aaaaaaaaaa 182040  
 cacatctaag tggaccaca cagtttaaac acagctgtat agcttaaatt gtttctacc 182100  
 cactttttca cgtagttttt gctaaatata ttttattcaa tctttttggc agggaatgag 182160

tacaatatta tatatgtact catgtgtgtg cacacacaca tatgtcttaa tataaaagag 182220  
 tatcttttatt aagatttata tatatcttaa tagactaaac tccaaagtag aattgcattc 182280  
 attcttaaga tttataagtg actttctgaa agcagtacta tcaagattgt ccagtcaaat 182340  
 ttgaaagagc ttaaaagtca gtctcaggat ttaaagcact aacaaaccac ctgggccctc 182400  
 caaaagtaca aatgaaaga aaactttaaa tttatggtat ctacaatgca aataataaat 182460  
 tatcacataa aatgaatgct gttaaactat acactaaatt tttcaagtct taacctgaat 182520

agctttgtta tgtaaccaa ttttcatta aaatctcata ctttgatttt aatactagtt 182580

cctctgatac tggttatcaa aacacagaga attctttatg aagaacctaa aatttttgca 182640

gatgcttact cagtcttcaa ataaactcca ggaaaatccc aatttctaag agaaagcatt 182700

gaattttgtgc tctgatctg gcatcaaatt acttgggaac tctcaaacag tgacagcccc 182760

atcttcttaa gacacatagc tacatgttct accaatcagt ggaggaaaaa agttttgtaaa 182820

aattttatac aatactagag tgtcttagtc cattcaggct gctataacaa aatgccataa 182880

acttggcagc ttataaacia cagaaattta tttctcagtt ctggaggctg gtaagtccaa 182940

gatacaata gatccggtgt ctgttgaggt ttcgctttct gggtcataga cagtgcattc 183000

ttgctgtatc ctiacatggt ggaaaatact agctagctct ctggggtctc tttcataagg 183060

acactaatcc caatcacctc tgttttcatg acctaatcac ctctcaaagg ccccatctcc 183120

taataccatc tcttgggggt taggacttca acataagaat ttggagggaa cacaaaattc 183180

agaacatagt ctggggctac ttatatcggt tttaccagggt taaatactcc taaagattta 183240

atttcccatc ttggtaactg ctgcagccat tgagaagcaa gacagaacag caccacagaa 183300

ttaaacaatt ctgaatatc tcttattcat ctcatgtgta aggtatttga ttccacaaat 183360

ctgttatgct aatttctatt tctcttact ttgattgtta ctgttactat tccttggaat 183420

tcttatccat ataactacct ggaattcaaa ccatatcaat attttaaggc tctatttagg 183480

tccaatatc atctttaaca ctacaaagaa gacagcacag taataagcat atgctccaga 183540

gtcagaatca tgcaccata gctgcatgac cggtaggcaca ttactaaatc atctgtgcct 183600

tgtcttcacc ttttataaaa taggaatgtt cagtagtatt gctgtcaggc tcaagtgaac 183660

taggacatgc aaagcactat gaacagtgtc ttgcatgaag taggcactct ataaatgtta 183720

gccactattg tagttcttta ttataacccc cattcttctc gtacttctct gaataactat 183780

agattcataa gtaatagga ccttagatcc tacagtcatt tagttcaatc tcccacacaa 183840

agtagtatca tctctaaaaa gctcttcata cttgggtcaac catgaagatg gttaaatact 183900

ttcagtgtatg aaaactttac tacttttcaa aaagcacagg ctcaaacagt tcttataata 183960

aaaaaaaaat ttatgtgcag tacctactat ctactctttg gtctcttagt tctgccttca 184020

gtacaactta caaacaatcc tgcacctct agcctctttc atatgaaagc cgttaaatat 184080

tgaaggcagt tgcttggtaa gttgcactct ctttactct ctagcgctgc caccctccac 184140

ctcgatcttt cctcttcatt tctcttctcc gggtcaaaaca ctataatttt tcttgactgt 184200

ccaccacaag atatgttttc tatacttca ccatctcaa caaaatcttc aggactcatt 184260

tcattttatg aaagtcattc ctaatagagg gcactaaaag ctacacataa tattcccaac 184320  
 aggttctgaa tagtaaaaaat gacagaacaa cagtttgttt aggaaagtaa ggcaaatttt 184380  
 ggaaaaattt acttaataac aatcatcaaa aaacaatgct gttaaatgag caattaagtt 184440  
 aaatttttct tctgagagat tggcaaacaa cataggctat tacctaacct atttaaataa 184500  
 gattatggac tctctgccag gctgccttcc acattgtatc cagagacaga atttgtgatg 184560  
 cttttgtgta aactgctttt gtctctatgg aagtctcttt agctatgtgt ttttttcttc 184620  
 atgtgtctgt ctttgtcctg cttctgcttc ttctgtata tcaatctctt tctcattctt 184680

ctttcttttg tcaatcattc aataaatatt tatgcagtgc ctatcaagtg tcaggcgtg 184740  
 tatgaggat aagaaattca aagatgagtc ttgctcaaaa tacccctgg ctaaggtggg 184800  
 aggcaaagca gacacaaaca gataataaac agataataag atactatggt aatacagtga 184860  
 ggtagataat gcacaggtta ctgtgagaac accaagaatg attgaatgct ggatgaaagg 184920  
 gatctgagag gtttccagga ggagatagaa tcttatgaaa tctaaagtga ttctaacag 184980  
 tactctcaaa cttaacatg tatttaaatc ccctaggaat cttgtgaaaa tgcagattct 185040  
 taatcagtgt gtctgtctga gtagtaggac ctcagatgct gcatttctat caggctccag 185100

gagatgtcca tgctgctagc cccagacca tcatagagtc acaaactct taaaggatgg 185160  
 aaaggagtaa gtaagggtg tgcagagtga atacaggcag tataaacagc atgaagtaaa 185220  
 tcacagaggt aggaacacc tgagttagtg tgatgagact gaagcacact ggtgtttcca 185280  
 ggcaatttaa aaggtcaaga gtatctaaaa tggggatgga tgggagtatg acatatcatt 185340  
 ttttgtttg tgtgtgtcg agacagtctt gctctgtcgc ccaggttgga gtacagtgg 185400  
 gcaatctcga ttcaatgcaa cctctgcctc ccaggttcaa gcgattctcc tgcctcagcc 185460  
 tcctgagtag ctaggattac aggtgcccac caccatgtcc agataatttt ttttttttt 185520

gagacggagt ctactctgt cgcccaggt ggagtgcagt ggacagatcg cggctcactg 185580  
 caacctctgc ctcccaggtt caagtattc tctgcctca gcctctcaag tagctgggac 185640  
 tacaggaacc cgccaccatg ccagctaat ttttctatt ttttagtag atgggtttc 185700  
 accgtgttag ccaggatggt cttgatctcc tgacctcgtg atccgccac ctcggcctcc 185760  
 caaagtgtg ggattacagg cgtgagccac cacgtctggc caattttgt atttttagta 185820  
 gagacagggt ttcacatgt tggccaggct ggtctcaaac tctgacctc agctgatcca 185880  
 ccagccttga cctcccaaag tgctgggatt acaaaggctt gagccacca cctggccaga 185940

agtatggcat gtcttaagga aaagggaagt tattacatgg atgacagagt atattgaaaa 186000  
 ttctttaagt agggcaatta tacggttaaca actgcaaatc aaataacaag tctgggtggc 186060  
 tcactggtag aataatggac aagaagatag tatgctaggc tacttaata aacctgcaa 186120

agatgatgat gaggacctaa attatggcag taacaacaga tttagatgaa aaaggacttg 186180  
 tctgagaaat ggtaggaaa tagaataggt tgattgtgtc atcactcgtt aatttaaaaa 186240  
 tcagggtggtt gttatttctt tgcatttttt tgcaggcatc gtatctattc ttaacctgac 186300  
 acttagaaac atgtgatctt ggacaagcca cttacctcc ttagcagttg cttccatatt 186360  
  
 tttaaaaaaa agtgaagatt tgacccaaat gaacagtgtc attgctttta accctaaaat 186420  
 ttatgagcct gtgaactaaa ttcactctcat tgaattgtag attcacaaaa tgtactctta 186480  
 gtacctacaa tacctggact ttataaaatg aattattagt acctaccaca atatctgtat 186540  
 tttatatata tatatatata cacacacaca cgcaatatat atatgacaat gtattgtaca 186600  
 atatatgtac aaaggatgac aatatattac aacattagtc atacaatgtg tgtgtgtata 186660  
 tatatatata gtgtgtatata acaaacacac acacacacac acacacacac acacacattt 186720  
 tatgacaaat attgaatcta cctagccgac aggtattaaa acttgagact ttaaaaaatcc 186780  
  
 ttctcttgtt ttgccacca cattcattac caagtccagt tgtttgttac atatgcccta 186840  
 ctagcaattc ttgggtttat gcacttattt ttttaactgg attcctgcaa tagcacctta 186900  
 gatgttctcc ctggttccaa ccaaatcccc ttccaaacac cgagaaactg aagaattctg 186960  
 gagtcaaaaa gacttgggct tgaatgctaa gtccactgtt ccttaactat gtgattgtca 187020  
 gcaactgatt taacctctct aaaccttgggt ttccttacct ctaaattaca gggatactag 187080  
 gaagatgaac tatttgtaaa gtacttacta tagtgcctat tacacagtga gaactcaata 187140  
 agtgttagtt atcattttga aagacacatc tcaaaaagat ttgagcaggt acttcacaaa 187200  
  
 agacgaaaat caaattacca aaaaacaaaa aatggaaaga tgctcttctt cattagtaat 187260  
 cagcaaaatg caaattaata cttttatgag tacaattatg tatctacctg attagcaaaa 187320  
 ttttaagaact tgtaaatcaa gtgttgggtga gaatgcagag tttctcatat actgctgctg 187380  
 ggaatgtaaa ttgatgcaac tgattgggga aaatatattg gaattattta gtaaaattaa 187440  
 aggcgcacat accccaaaac tcagcagttc cttcccttgc tatttatcct agaaaacggt 187500  
 aaatatcaga aactatgaga actaatatat ataaacataa aatgatatt atatttatat 187560  
 ttatactagc attaagtaaa atagatttaa tccaaatggt caacaacaat agactagata 187620  
  
 agtaaatatt ggcataatga tacaatagaa tactatacaa caatttcat gaataaacta 187680  
 catgcatgaa catgaaagaa tctcacaatg ttagcagaat aatcaggtga ttgagagtat 187740  
 acatgctgta actccaaata catggagctg aagcataggc agaactaaga ttcatagcct 187800  
 agagatgcac agatagatgg aaaacctaca aagaaaagca aggtaatgtg catgacaaaa 187860  
 ggtgggatag tagctagcgg ttacctatgg tggggaagga aaagtatgtg atctgaaagg 187920  
 gacacatagg ggtttgctgg gagtctatta catcatgttt gatttacttg atttgtttta 187980

tgttgtttga ttgttttaca tgatgtttga ttataaatta ttctttaacc agtatttggt 188040

ttatacactc ttctatgcgt atggtatatt tcacaattaa aaaataaact gattatgtca 188100  
atctctatt taaaatcttt caaaagctct tcactttgaa acaaaatcca aactccttaa 188160  
ttttgtctaa gagatccttc atggcacatg tcttgatcc ctcttcaact ttatctctgc 188220  
cactaccatt tctgcttcag catagtaa atgacatgt attccacac aatcatgctc 188280  
tctcaggctt ctgggtctgt taaaaaatgt tcccactgtg cactgcatcc tcccttcctc 188340  
tggctatcct ttactgtgc ttaatagtcc accaaaagat ccttctctct gggaagtctt 188400  
ccttgactaa tctctaccac atccgtggta gagtctctc tgatgcactt cctttggcac 188460

tctagaccta cccatgta atgcactttgt aagtgccaca ctcttagaa cacaactacc 188520  
tccattaata agcacatttt attgtaagta cccactctt tagactgagg gctccttaa 188580  
agcaaggact gtcttttate tgccccaaaa gctaaacatt ctacctacat cacagattct 188640  
caataagagt ttgattaatg aattaatatt cagaatggag agaacatggt atgctttcta 188700  
catcactggg agtaacacat aatatattag ttcaaccat ataaaattgc cttatttta 188760  
ggtaaaaaat agtttgttat tggcaattgc ataaaattat ttataacgt cattgaatac 188820  
atgttaatta agcacagtat agtgatgcta ttagatctgc tttctcaata taatggtaga 188880

tggattgttt ttatgaatt gttttataaa ttactatat gaaataactc taggattaat 188940  
ttcatcagtc ttccgcagtc ataggctgtg cattaattca cagggcagcc tacctatcta 189000  
cagttatata agccactagg caaatgaaag aaagatattg atcactagct caaaatagct 189060  
tcttttgag tcttataagc accacagtca tactctagtt ctcaaagatg ttatttgaca 189120  
gattataact cgttcatctc tgctggaatc tattgattat tgactttggt gactatgaag 189180  
catcaagtat ttgattttaa aagacattct acctgtgtgt gctgatattt ttataaagta 189240  
ataagtttta aagtcatcc aactaggcag agcaactgta tctattttta acattgcttt 189300

gttaagcaaa aggatttgta ggctaaaatg cccatgaatt gagttttata aaactgtgat 189360  
ttctctctc ttatttcaga agagctaaat tgtgtgtgtg tgtgtgtgtg ttctgaaag 189420  
aaaaccataa ttagctcag aaccaatttt tctactaaag gagatgaatc tgtaaaatat 189480  
agtacaatgt tgcaataat aaaagtcact taaaaataat ggtacccaac tgttactctg 189540  
ccacatgaaa atgttaattg caggatcat ccatgggtgt agtatcatgg tgttatatgc 189600  
tgcacccatg cactcaaga cttttacta ctgtatgtgg tattagtagt accacacaa 189660  
ctattaaact tctgttctat tgattttcac ttctgtagtc gaaattattt ggagcagtat 189720

ttctccagct ccatgtacaa aaccatatgc aatatttaaa ttggctatat agatcctagt 189780  
 ttctcatgcta aggaatatatt ttaaatggc aactcaccac agcttgatg gtttctcatc 189840  
 tataggaaac gggctctaatt caacagtttc ttgcataagt tgccatagtg aagatctgag 189900  
 atgggcctgc tgttgggtgt tctcacacia gctgaaaagc aaagccaaaa aacagatgag 189960  
 ttgtatttta agatttaaat ttgtatttag aaaacaaaa agctgacatc aaagacagtt 190020  
 ggttactggg tgggtgagtg taggcagagg aaagaaaata tctcaaggta attatctcta 190080  
 ttcattcttt attgcaagca caagaacttt gatgttataa taccagaaca actattttta 190140  
  
 tatctgagca taaactaat tagtaattct tatttcagtt aatataatta gtcttggat 190200  
 atgaatttgg ttttctaata caaggcacc cactcatcct caactgggac agctccacta 190260  
 ttacatagat ttacatatc tgcctttcat acaagatttc attggaacaa tggttacata 190320  
 ggtaccaata aaggaggaga attttgaaaa cctctgaagt atgcaaaaga aagtaaacct 190380  
 aagctggagc tcatctgaag agacctgtat ttatgttctt ctagtacta acctactttt 190440  
 tcaccattat agcctgttac ttccaacat tatattagac aagattcttc agaatatgtg 190500  
 gcagtctgca acattctacc caatgtcaaa ccataagttt ttatttctag ttgggaaaat 190560  
  
 atggtcacat taccctaaat aggcctctc tttacccaa gtaagagttt ctttctgcc 190620  
 caggtgctca caattactcc taggactacc accctctcac tatccacca cctcacccca 190680  
 acacccagc gtagcccat tgtcacctac catcactca gaggaggtaa attcctttct 190740  
 cctctgaatt tctattgcat tcattatcaa aacactaata tgggcccttg attttatacc 190800  
 atctttattg ttatttagcc tcatcttccc aaatgagtat aggttccaaa tggcagaaac 190860  
 tgtgttacag ttcccaatt ttttctacca tagcacttag cagagaactc agtacatgag 190920  
 agatattcat tcaatgaata ttgggtgtgt ccctattgtg tgccaaacag aaaaagtcag 190980  
  
 tcctgatgg ggattaaacc ttagtagaga atacaggtaa tagaagaata ggcaattact 191040  
 atattatata aatgctgtgc tggagcttcc gctacaaac actgaataaa cattgccaaa 191100  
 taaacagacc taacctaga gctttcttc actatcaatg ctttcagatc ctatttccaa 191160  
 tgtataagaa gaggacaatt gctttaagca atccattttc agaaagcaca tagggcacc 191220  
 aggcagggtta acacagacaa acaggagtca gttttatttc tatgaagaca agtactaag 191280  
 atgaatttct agaacttta agtactgtc gttttgttt ttgttttct tcacacacac 191340  
 acacacacac acacacacac gtgtacaaac acaaggtagt gaaaatcctg ttattactg 191400  
  
 tgcaggtcac tgcaaatgcc caattgcctt atagggaagc tttgccttaa acctgcacac 191460  
 catgcagggt tttagagcag ctgtggtag gtagcttct caggagactg tattcatttc 191520  
 ttttccatt gaaaactta atttccattc ctactagcat ttttccata agcctcaagg 191580

attttacatc tcatagtcac cagagataag aactgtaaga aaagccatag tggcttgata 191640  
 tggatccaaa acatcaaata aactagaaaa tcctttacca gaaatagtat atgtgtgagg 191700  
 tctacttttt aaacctaaaa tgtttatatt tagtgatttt caatattacc tgatgtctcc 191760  
 tcttaagagt ttctaccaag attcacaata agaaatacag cttctcccta ttaaatacag 191820  
  
 aaaacaaaag atatgcaaaa cacaggTTTT gtattttccc cttctttgcc ttgatcggtt 191880  
 catgaggata aaatgtactc aaactgaaaa atcttgagtc aaaaccttac aacttcactc 191940  
 tgcaaacacg tacaggtttc tgaaaagatg ggctccaatt ctaagttaca ttttttaaac 192000  
 aatcaatatg cagcatgac tttttatctg aatcagcagt acagtgtctc atctcaggct 192060  
 tatgtaatgc aataaatata tccaatatgc caaagaagca aatggattct gttcttcttt 192120  
 accagtaagc atctccccta ctagtctata ggcccaactt tttccacaag tccttggtcc 192180  
 tcagaagaag gtgcaataat agatgcatgt gtggtaggag gaaggcactc agcagtcctg 192240  
  
 cagcaaatag agcattgtac tccattcttg tcactactgg acacttccgt gcctctttct 192300  
 gcatgattgt tgcaatgtcc aacaaaaagc ttaaaagaga ctgtaagagg aaatagaaag 192360  
 ggcaatgaag aaagaattta agacaacaat gtgtttgctt ctcatcttaa ttgaaggaag 192420  
 tctctcttgc tttaggtcct ttattctgat aagcaaccaa gcaatcattc gatttgaaca 192480  
 caccaattcc actgaaagtc ctttggttac aaatgtgacc tgaggccaga actagagcat 192540  
 gaaggagaa catctatccc catatttaac aaacaagtaa ataccaatt tgtctttagc 192600  
 ttttagtatac agtataaaaa gaatttataa ctaggcttac atccaaagaa acagattcat 192660  
  
 ttacatgaaa ccacaataaa accttaaaaa tatatttatg cctttaaaca tgggagggtt 192720  
 ttctagatta ctiagggttg gcaaatTTTgt ttgcttatg atgttctgt aggatatcct 192780  
 aacaaggaaa atcttattaa ttttctata aatttaaaat atctacattt tatagcattg 192840  
 acaataaatt atcagttcat tctaacctta gaatatatag accatgtact atgaaacat 192900  
 taaatactaa tagctgcaga cataccagac aatgacagca aaaacacact cagccccctc 192960  
 gggatctgtt cataaacatc cctttccagc atggcaaaca cactcctctc aacagcagat 193020  
 gctgttctgg ggctagcagg caggaagctg gaggcagctg attttccac tetacatata 193080  
  
 atttcttact gcctcactat ccagaatcgt ttactgaaa ctgtgaggat ttttaagaa 193140  
 caggagcccc tcaaatataa gacactttgc aacagcagag gaatgacagg caaatgagga 193200  
 agcatgaaga ctctctaata ttttaaggta caccaccttt gtcactgat tttctagtcc 193260  
 cattgtaggg gagagaaaac ccagtttgct ccacataaga aaataagcta atccaatact 193320  
 ttatgtcaat ttttaagagt tgatcaaggt agagaaggaa atacatacca gaggcagcca 193380  
 aaccgtaca tccaagcat ccagccccta aaatctaag gttctgaagt ggagtcagaa 193440

gcttgtgata tacttatata tttatttggt atatatttgt aacatatatg ctcacctaaa 193500

gtagaaaatt cacagaagct tctctgagag aaatggctct tactgcaact attttaata 193560

tgttgataag cattctgtgt tatcttcag ggtccgacaa ctagccgatg agggatagaa 193620

ggagatattg gatgttggtc tggcaatgcc tgggtgactt acactcgitt tccttcacc 193680

tgaactgtag tctatcccat atgacttagc ctgcttcctt gcagtttgtt cataaaagtt 193740

atcatcaaca tggccagaag caggcagggc tgcgttacag acactgtcag gctctgcacc 193800

aaaggcagcc catgtaaca accttgtgat tgcttcagag cctactgctg tggcataagc 193860

cattcttttt ctgtggctaa attgcagtac cctgggaagt tatctgttta agggggtaaa 193920

agcagagact aggtctctag atttaaatgt ttggggaggg tgagaaaaat atatggatag 193980

atagttttct tgtaatatct atagcctgat ttacttacag attttccagt aaattacatt 194040

tattttgttg aaggcacaaa tacatagatt ctaacaaata tactgccata cttatttctg 194100

attttttttt caaaagagct ctgacatttg caggggacac agtatcccag cacagaatac 194160

ctgggaatct tgccatgaaa aaaagaaagc tgactgctgt gactaggaga tcactttctt 194220

aaagggaccc cttacctatt tgactgcagt gccaatgttt cctcttatct ctaacctgac 194280

ccctgttctg tgttcctctc cccggctcag atttagccta gagttgctct gcaagagtaa 194340

cgccaatagt tttatatcta atatatatat aaatactgtt ccttagtaaa atacatctta 194400

aaatatttta attatacttc tcacaaaagt aaacataaat acatactaaa agacattatt 194460

tttaatgttt tatggaacct atcacatttt tcagatatgg aactaaggtc agcacttcta 194520

acaagcacag ctgtttggtg tttttttttt cctctctctc tctctctctc tctctctgtg 194580

tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtt tctctctctc tcccttcctt 194640

tctgtagccc tgcattggtc taaaaacccc tggtcacaat aagaatgctc cctccctccc 194700

tctgtacccc ctactccaa atggaaaggt ttcaacacgc ccaagtctgg aaagagatgt 194760

tctgcacaga gggaaaaact ggtagcttct tgcttcaaag ctagttcact tgattaacct 194820

gctttccacc ccactctct cgtctcttcc atactccctc tcccgccca ccaggagcaa 194880

tcaatagaca tcaccccacc ctccaaaaac aggttagaac ccagaacgag caaagagcca 194940

cctaccattc cgtgcctgag aactacgatc ctgatccggc agtgtttgcc ccagaaatcc 195000

tccctacttg tttttcatta accacattcc agactaacat ggaagagatt ctttgagat 195060

atggagattg ttiaaaatta acgatggaca ggtgatttcc aagaaaaccc aatcttaaac 195120

tactcaagc ccctaggaat tgaggggtga ggacaaaaaa ggaaatttgt aaaaatgaaa 195180

aaagaaaaga aaaaggttaag catatagcaa gcaccacca cccccataaa aataaaaagt 195240  
gaaggggagg ttaaagaaaa tagaagaaga gtggcttgct gaatcacct ctttactgc 195300  
ctggaaacca ttgtgcagcg tgatgctgcc tgtaccattg tggaacctac cagaggagac 195360  
ggacagaggg ctiggggaaat ggggttgctt tggcaaccga aaggagcaca catgacgtca 195420  
aagcccagag aggtctaggg agggggatga gggggaaca gaaagaggaa gcgtctatgt 195480  
gcagctacag ctactgtgtt ttccggtgaa atgaggacca ggcaaatgta aaggaataag 195540  
gttcgtcggc agccaacatc agcaactacg acatcaaggc agccagcctg cacaacctga 195600

agaaaagatc cattcgatgc agttctggcc ctttgcacag cagcacggag gagcaaatac 195660  
cagcagagca aaacaccact ggaaatgcaa cctctgcttt tcaactatct cttgtagtat 195720  
ctctaaacgt caaacaagta agagatggta ataacctcag aggagaagca ggcatttgag 195780  
tgtcgcctga accccgaggt catctgcaca gcactatcc tcttctctgt ttccttggtt 195840  
ttgtaaaaat cctgaataaa tatccactaa accaaattca acagactaat acttaggttg 195900  
caatctgagt gtacaaagaa aatactgatt aatttgagtt aacacatcag aattcttttt 195960  
tttttaattg cagataatit tctagagaac tgatgaaaat tgtactgtta ctatttgggg 196020

caaatatcgc aattttatit cagtaatttg cctgccttt aactgttata gggtatitit 196080  
aaagtctcca aacagtttta ctatccataa ataatagttt cttagaatga caacagttga 196140  
ctacttgca taaaaaaaa aattaggttt accaaatttg ttttacctt tttatgtaag 196200  
aaaaattttc aatacaaat tcgcttaaac caactccagc ctttggactt ctcaaattac 196260  
gtaatcta tcaattcctt ttttgcttac actcttttga ggtgggtttc tgtttattgc 196320  
taccaagtag tgctgagttg taaatgattc cacattatgt tttagaacta gcatacttat 196380  
atgaatatga agcttcttcc atatgttacc agaaagatac aacatgcaag agatgcaaac 196440

tcagcagtac tgtagacact gaaacacatc ataaagctgt aagaaacgca tacgtttttg 196500  
ttgtctttgt tgttgctgct gttgttttat ttggggagaa aatttagaaa aaggaaggct 196560  
tgagtgagtt gtatgtcatt gtagttcatt ggataagtgt ttggatgtcc ctttactcta 196620  
atttcaattt caacaagaat caatcaagac tatcttctag tcttctcaat gggcctacct 196680  
gcaagataac tacctcatgc aaaaatatgg attgatagcc aaacaacttt ataacacaaa 196740  
ataattggca ttctggcttt tgaggtatta tatactaagt ttggacatca aaagtcagtt 196800  
ccccaatccc atggaaatta aatcagtttg tcgaagagat gtctgcattc ccatatttat 196860

tgcagcacta ttctaatagc catggaaaca acttaagtgt ccatcaacag atgaatgtat 196920  
atatattatg cataccacac acaaacacac atacacacac acacacacat gctggaatac 196980  
tattcagact tataagaaca ggaaattctg tcatttgcaa caacatagat gaacctagag 197040

gacattatgc taagtgaat aagccaggca cagttagaca aataccatat aatctcactt 197100  
atatgtgaaa ttttaaaag gacaaacttg taaaactaga aagtagaatg gtggttacca 197160  
gtggctggag gacggaaagg tggacaggga aaggggggac attggttaat aggtacaaag 197220  
tttcagttag aaaggagaaa taagctctgg tgtactattg cacagcacag tgactatagt 197280  
  
taataataat gttgcctatt tcaaaatagc taaaagagag gatttcaaaa gttcttacta 197340  
caaagaaatg ataatatatt gaggtgacag ataatgagcc tgatttgatc attctacaat 197400  
gtatacatgt atcaaacat cacattatac ccataaata tatacaatta ttgtcaatta 197460  
caaataaaat aaaacaattt tttaaaagt aatgtccagt aacgtaacat gaatgaggaa 197520  
aaaaggaacg ccatctctta cttacattg tgaacacaaa tatttattca agatgaattg 197580  
tacacctcaa cataaaagct aaaatatata aactattaa aatataatat aacttttttt 197640  
aaagatggct tctgacctt gcagtaggca aagatttctt aggatacaga aagcacttac 197700  
  
cataaaaaaa aaaaagagac ttcacaaaa ttaaaagctt ccacttatcc taagtcacca 197760  
ttaagaaaat gaataggcaa gccagagtct agatgatata tatacttgaa tactcttgat 197820  
agctgaaaat attctgatac acacaaatcc tagattatag aaaacatgac ctacaattca 197880  
ataataaaca tgaacaaaca attttgttta atgggcaaaa gactctgaca ggcatctgac 197940  
aaaggaaaat ttataaatgg ccaataagca tatgaaaaag tattatatat cattagtcag 198000  
cagaaatata caaattaaaa ccaaagttag ataccatttc atgcccacaa aagtgactaa 198060  
aattaaaaag actaacatca tcacatattg acaaggacat ggaaaaccag aactctccta 198120  
  
catatattgg taggagtaca aaatgttaaa actaccttgg gaaattttgg tagtttttat 198180  
aattataaac ctacaccaa agtatggctc aacactccta tttataagga ttcaccaag 198240  
acaatggaaa cctacgtcta ccaaaaaaaa gtggacata aatgtttatg ctactttgc 198300  
ttataataag caaaagcagg aacaactcca aatatatcaa ctacacagca gataattatg 198360  
atatacagtc agccctccat gttcatgggt tccacatctg tagattcaaa aactgaagat 198420  
caaaaatatt aggggaaaaa gaataaaaga taacacacag agataataa atacaaatag 198480  
aagtacacta taacaactgc ttacatagca tttactttgt actagttatt ataaataatt 198540  
  
tatagatgat ttaaaataat aggaggatgg aacactatgc cattttatat aagggacttg 198600  
agcatccact gcttttgta tggagagggt gttcttgga ccaatcccc tgagagtact 198660  
gagggacaac tgcatctgcc taatagaata ttactcagca attaaaaaga atggcaacca 198720  
gaaacagggt aataccaatc atttcatcc gttaggtgtt agtttcttt ttaagctttt 198780  
tgaaaattta tttttattaa tgttttttt attggcagtt ataattgtac atatttatgg 198840  
agaatattgt gatattttga tatatgtata caatgtggag taattaaatc aaattaacat 198900

aactgagacc tcacatcatt ttgttagtga gacatttgaa atttactctc ttagttgttc 198960

taagatatac agtacattat tgttgactat agtcactctg ctgtacaaca gatctgaaaa 199020

tttattcctc ttgttttact aaaatttttag ttaactaaaa ttttggttaa ataaaaactct 199080

ttttttttga gacagggctc cactctgttg ccaggtggg agtgcagtgg tgcaatcaca 199140

gctcactgca cctttgacct cctggcctca aggggtcctc ccagctcagc ctcttgagta 199200

gctgagacta caggtgcctg ccactccacc tggctaattt tttattttta gcagagatga 199260

ggtctaagtc tgttgcatag gctgatctcg aattcctgaa ctcatgtgat cctcttgctt 199320

tggcctccca aagtcttggg attacagaca ggtatgagcc accacaccag gcttgaaact 199380

ctttattgtt gtgtttgttg ttgtttgtt tgatttgttt tgttttgttt ttgagacagg 199440

gtctcactct accaccagg ctggagtga gtggtgcaat ctgagctcac ttagcctca 199500

acctcccagg ctcaagagat tctctacct tagcctcctg agtacctggg accataggtg 199560

cgcgtcacca tgcccagcta aattttttgt gtttttggta gagacagggt ttcacatgt 199620

tgcccaggct agtctcaaac tcttgagctc aagtgatcca cccaccttga cctcccaacg 199680

tgctgagatt acaggcata gccactgctc caggtccatt gaaactcttt tgaagtattt 199740

tccaaagatg ttgattcttg gtattagtta caaagagtga tagattccaa cttccacat 199800

atattttggt gtggatctta catactcatt tcaattatat ttatgttatt taaaaaatct 199860

tttaagtcta ttctatacac ttcaggaaaa ttacttttct aaaatttgat tatgcaatac 199920

aagttagttt aaaaacatca gtacctaaat atttccatt cccggttgga taaaacaaa 199980

actcttggtc aggtgtggtg tctcacacct gtaatcccag cactttggga ggctgaggcg 200040

ggtggatcac tcgaggtcag gatttccaga ccagctgtcc aacatggtga aacctgtct 200100

ctactaaaaa taaaaaatt agtccagtgt gatggcacat gcttataatc ccagctaatt 200160

gggaggctga ggtagaagga ttgcttgaac ccagaaggca gaggttgcca tgagccaaga 200220

tcacaccact gactccagt ttgagagccc tccccacaa ataaatgttt tcaatgaaag 200280

gagaaagaaa aaagaacaga tacatattgg gattattatg ttgtcaggc actgtttata 200340

tgtattcata ctacatat aaactcccat aaaagtatct acttacttct atttggcact 200400

taccgtattg tattttgiat tactgtact ttgtgaatat gtaacatctc accttggcca 200460

ggtaatccca acactctggg agggccaggc aggtggatca cttgaggtaa ggagtttgag 200520

accagcctgg ccaacatggc aaaaccccg ctctactaaa aatacaaaaa ttagctgggt 200580

gtggtggcac ttgcctatag tcccagctac ctgggaggct gaggcaggag aatcgcttga 200640

acccgaggagg tggaggttgc agtgaaccga gactgcacca ttgcgctcca gcctgggcaa 200700  
 cagggtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaa aaaaaattct 200760  
 caccttgtag ttgattatga cttaatcttc tatttctcat tatctccct gaaagtctct 200820  
 ttccatgta tagcatatca tcttatacat ggtaggtgat cagttaacat ttatggttaa 200880  
 ttataattat ctgcagttta caattctttt ttacagttat caaaactttt tatttcaaat 200940  
 attattatgg agtgttatgt tgtgatatat acaatatata agcaggtaac ctctgttaca 201000  
 atatcacata ttigaacttt gtatttaggt ctaaaaacac tttactgct tcaaactctt 201060  
  
 tttcaaagtg ctttcaaata aaactgtatg taatatagaa gtctgacttg aattttgaat 201120  
 ctatcagtt ctatcaatca taagagtttt tgaaggaaga gtcttaaata agtcaatgta 201180  
 agttcttatt ttcaaaagca tggaaatgta tttagtatct tttatatgca aatctattta 201240  
 tttaatggca tgtgtgtagt ctgagatagg actaaagatg tttaggaata tctcttgctc 201300  
 tccaatcaag gagatcttcc ttacctata aatacaaaact ttagaacatt acattttcag 201360  
 aataaactac tgaacatgc aacaatacag atgaatctcg aaacatgctg agtgagaaat 201420  
 aagacaaaaa agagtatata ctatatatat atgtttacat gaagtttcag aacagacaaa 201480  
  
 actattctat ggagatagga atcagagctg tgtttgtctg tgataggagg aggcaaacag 201540  
 tcaaggacca tgttgatagc aagagggaaa tttctatagt gatgagaagg tcctacatct 201600  
 tgatagagat gtgagttata tgggtatatg cattcgtaa aactcctcaa agtgtaattc 201660  
 ttaagatctg tgcatttcac tctatgtaa ttaaactgcc ataaaaaatg tttactaaa 201720  
 tttctcttg gaaagagga aaattgctga atgagccaat aagttagggt tcctaaacct 201780  
 gaatatctag tcccatacc tgaatcttga tttttcagac ccaagcagcc acagcaatag 201840  
 gaaaggccag agtcaccagg atgttaagag acctaaccct cagagtgagg cagacaattg 201900  
  
 atggagattt acatagcaat caacagatga gaattcagac tcttaaaaaa caggttttca 201960  
 gaaaagcgtg gcagtaagga gatttctggg ttacagctga gggactaatt cagtgttagg 202020  
 actcggatgc agaaggaaat gaaggtgctg aagaacactt tctgaatcca attctcaagt 202080  
 gaattaaggg ggtagcagtg aaaccaacta atgccctaag gtctcttgtc aaaagaggtc 202140  
 ctggagttag gtgaccaatt ggtctccatt tgccaggtac ttctcaggtt ctagcaggca 202200  
 tttctcatgt tctaactt aaagtcctac atcataggaa atctctcaat cccaggcaaa 202260  
 ctggagaagc tggccatcct atcctataat ctagaataga cttgaaccct cagatggaag 202320  
  
 ttgagagata gcaactgiga aagaacgagt tgcaaaagaa agaagtcatg agttccttaa 202380  
 aagagtgatg tcattaaaga agtgtcacct agctatactt tcaacagtta gattattatg 202440  
 tcatgaatta ggatggtagc aaggggatgg aaagggtttg ataaaaagca agcaaaatta 202500

gcaaaattat ggaactgaat caatagaaca tgcgactga tacaatatga ggggatgggtg 202560  
gagggtccac atttactctt tgagtacat gttcactatg atttcacaga atgccttccc 202620  
tcagagtcag tcatgtatct ttcagatgac tattagaata taagatttcc ccaagtgtat 202680  
tctacttggg gaacagtggc tttttgcaaa aactattcca cagttcaaaa gtttcagaaa 202740

tgctgcataat aatagctgcc ctttggaaag ccatgtttta ttacacgtac tacagtgagc 202800  
aggtctatgc aaacctaccc tcaaaggcca aggaagctga gaggccaaag aaagaggcta 202860  
ccacatccag ttctcagaa agaaacattt aatccctgta ccctcacttg agaaagtatt 202920  
cttatgtagc aagcatttgt tttttttttt gttttgtttt gttttttttg gtgaaacatg 202980  
tgcagctagt ccgtgtcag actgtcttgc aaaacttgtg accactgggg aagttagata 203040  
aacattttta tgagggattt ttctatgcta taggcattgt ttcttgacct tgctgcagga 203100  
acacagaatc cagtcgcca acatcagtca tcattggcta ctatccagta gccaaaccca 203160

tcttggttct gcttcaagat ggcattactc ttgccatgtg acagggtgtt ttctatatta 203220  
cattaataaa ttaaagggtc tgagaagccc tgaggaaaag aaaactatta aaatttctca 203280  
atattacttc tcaaatgcag tttttaatta atatctttta tcatgctgtt ggaatgggaa 203340  
acacagagcc cacagcttac catagtcata gtgattggca atgctgcgaa tttaaaacac 203400  
taacagttcc caataagggt aaactttctg acctttaaac ttcattgtaag aaaaggggtc 203460  
taccttccac ttacttttct ttttaactaa tagactttat ttgtagggca gcttcaagtt 203520  
tacagaaaaa ttgagcagaa aagtgtagag aattcccata taccctactc cctccccata 203580

gtttccccta ttattaatat ctgacactca tgtgatacat ttgttacaac tgatgaacca 203640  
ataatgatac attattaact aaaatccatg gtttacatta ggggtcattc ttgctgtgt 203700  
gcatttctat gggttttgac aaatgtatag catcatgttg caatcattt taattttttt 203760  
cttgctcagg agtcaatttt acattcagaa acaatttgtg ttcacatcaa acaaaagtag 203820  
ataaattggt ctctgaaag ttcttcctag tggacagagc actactatta gaattcaacg 203880  
gtactttgaa ccaactgtta ttaagcttat aaaagtacgg gtttgctttt gcttttgttt 203940  
tggaatggga acctcccaca actagcaaaa ttatgtccct ttgtggttaa acgtactttg 204000

attcaaata caaaatatct gccacaataa aaacagttcc acacaacttt tcagtatcct 204060  
aatagcattt ttttttgaa agtctgaatg tagttcacia atgataacgg ggggagggaa 204120  
agtctattgt aaaataatat caaagaagat taagcctcct caggtagcag cagcttaaaa 204180  
aatctaatta gtgtatgtgt cttttgaaca atgatgctaa tagaaaacgc ctttttctta 204240  
gatcccagca gaagctgggtg tgtgagataa agaaagtat tcttgccaga catcctcagg 204300  
tttactcaca cticaatcca tacacatctg tagcatttcc aatttccctt atcctagaag 204360

catgaaaaaa gcatgaagat accatggact acatttgagt ttggtctgga aattcaactt 204420

cccactctgc ggcaattcct gcaaccttta atggggctat tctcacctct gaccgtaatt 204480

tgtcagcatg gtgctcaaaa ggcagtcact gaggtaggct aagaagcaaa atatgagcca 204540

aacatttgtt aattaaatta aaataaaaagt ttaataattt ttataaaca agtctgccat 204600

cactacttgc taaaaatttc taatattaaa gagcttattt ttaaacattt atatgagaag 204660

actttttcaa tcatctaact aattgggtgaa ttctgggtct gtcttatcaa acaatagtag 204720

aagtaatagt aatacatgat gatcgtatac aaacacttaa aagagtaata atcagaatta 204780

ataatatgaa ttgggtgtat ttagctttac atttttaagc caaatactta tcagcataaa 204840

tttatatgtg tagcttatgt ctggctctaaa aatctgctgg attttcaaat cattaacaaa 204900

aaatatattc ttagagtatc ctaaacatgc tatttcacct atattgcaat gctacatttg 204960

acaaggaaac aggaaaaataa aaatctgac ttgaaaattg tccaaattca tgaaaatagt 205020

gcaatgataa tagtagttaa attcaacata tgctttatat gaggcaaga taattaaaac 205080

atttttgaga taatgcataa atactttcaa agcttattag aaatatgtat aggccagtct 205140

gtgtgacctg agcagatcgc atggcctctt catttcccaa tttaggcact gtcataatag 205200

ggataataat attcacttca cagacttttc atgagaaaca aattagataa tgtatgtgac 205260

agtgcctagc acaaccctta gtagatgaca gtcactcaat agatattgaa cattctgatt 205320

gcaatgagag atgtaaccca cacttagatt aaaatttcct gacataacgt tgtaagctat 205380

gaacattgtc caatggccca gaagcattaa tttctgttg ttgataatg ttcttaaagt 205440

gtatattcaa aaggagatag agttgatcat atgctatttg gaggtgttga agcagcacta 205500

tagaactaat aataaacttg aagaaatttg agcctatctg ccagtcctaca cctgagatag 205560

tattcaggac atcagtattt cttactggaa atttccaga taaaattcag ccactttgtc 205620

agcaaatatt cagagacata gtctttcaca agaaatagat aacaaattta aaaaaaaaa 205680

aattgagcaa aaatagtgtc actgtagag ctgtgtgaca ttcttttcat ttaattaaaa 205740

attaattcaa ccagcaaate actgagtagc atatcagtat aaaactctat gctagagatt 205800

agaaaaagaa atctgagaaa tggtcacat caaaaaggag tttgtgatct tattgttaga 205860

ctggaccact tgaagaaaa aatatctata aatgaatccc tacacgtgaa acaaaaaaaaa 205920

aatgaagtct cctgtttgaa aaggaaaaac ctcaacacag tcatgcaagt agaaaatatg 205980

gatctcaaat ccgtatttta ccttgggaag aagcatagtc aaataaaaat ggaaacctta 206040

gtctcagttc cactgtgact atgactacc atcagatgtt gggcagatag tggctctgtc 206100

gacatgtttc ttcatctaca atgtatcagg tctagatcac atgataatta tggttctgta 206160  
acaaaatgga aaagagagtc ttcagatgac tcaatgaaca gaatttagac agagatttca 206220  
taagaataga cttaaaagtg acggaaaaca tatcttggtt ggatgagagt aaagagatca 206280  
ctttcctagt taaaacaaga aggaaagcag tggaatatct tcaactatat tgtcttctag 206340  
gcaaaatata caaaccaaac atttacattg caaattaaaa cataaggcaa tgagaatagg 206400  
attcactgct aaagtcagtt ctggcttttt gagtcattta acaataacta ctttatgata 206460  
agtcaaagtc gctatcattt ttatcattat taccacaaat gtcacatta atatcatcat 206520  
  
tattttagct attatctgtt gaaagcatcc tctgtgccat cactggctga tgatttacag 206580  
acatttgctc tagtcacaca gcatttcttg atgattatct ctaacatcta tcaacatcc 206640  
acagtgtgcc tgggcccatg ttacaataca atcctcacta ctgtatcata aggtaggtag 206700  
agttattgtc cttattttat atacaagaaa acggagactt agagagagtt taagtcattt 206760  
attcaggatc acaaatgacc gccatgggtc agtattgaca tctgtgcata tctaactgaa 206820  
atttcaactt tcagagaggt taagaaaaaa atgcgagtga actcaatgat aaggtggcaa 206880  
gatggccgaa taggaacagc tctggtctgc agctcccagc gagatcaata cagcatgcag 206940  
  
glgatttctg catttccaac tgaggtaccg ggctcatctc actgggattg gttacacagt 207000  
gggtgcagcc caccgagggc agaccaaagc aggttggggc atcgccctac ttggaagcac 207060  
aagggtcag ggaactcttt cccatagcca agagaagcca taagagaaca agagaacatg 207120  
ccatgaggaa cgtgtcattc cagcacagat aatatgcttt tcccagtctt ttcaaccac 207180  
agacctaaa agagacttag actccacac aataatagtg ggagacttta acacccact 207240  
gtcaatatta gacagatcaa tgagacagaa ggttaacaag aatattcagg acttgaactc 207300  
agctctgcac caagtggacc taatagacat ctacagaact ctccacccc aaatcaaaag 207360  
  
aatatacatt ctctcagca ccacatgata cttattctaa aaccaaccac ataattgtaa 207420  
glaaaacact cctcaacaaa tgcaaaagaa tggaaatcat acaaacagt ctctcagacc 207480  
acagtgcaat caaattagaa ctcaggatta agaaactcac tcaaggcag gcacagtggc 207540  
tcacgccagt aatcccagct ctttgggaag ctgaggtggg cagatcacga ggtcaggaga 207600  
tcgagacat cttagtcaac atggtgaaac cctgtcttta ctaaaataca aaaaattagc 207660  
tgggcgtggt ggtgtgtgcc tgtaaaccca gctactggg aggtgaggc agaggaatct 207720  
cttgaaccca ggaggcggag gttgcagcga gctgagatga caccactgca ctccagactg 207780  
  
gcgacagagt aagactccat ctcaacaaa agaaagaaag aaagaaagaa agaaagaaag 207840  
aaagaaagaa agaaagaaaa gaaaagaaaa gaaaagaaaa gaaaaggaaa gaaactcact 207900  
caaaacttca caactacatg gaaactgaac taccttctcc tgaatgacta ctgggtaaat 207960

aacaaaaatta aggcagaaat aaataagttc ttgaaacca atgagaacaa agacacaaca 208020  
taccagaatc tctgggacac agctaaagca gtgttttagag ggaaatttat agcactaaat 208080  
gcccacatca gaaggtggga aagatctaaa accaacaccc taacatcaca attaaaagaa 208140  
ctagagaagc aagagcaaac aaattcaaaa ggtagcagat gacaagaaat aacagcttta 208200  
  
aatttcatgt ggaacaaaaa aagagttcat atagccaaga caatcctaag caaaaagaac 208260  
aatgctggag gcatcatgct acctgacttc aaactatact acaaggctac agtaacaaaa 208320  
atggcatggt agtggtagca aaacagatat atagaccaat ggaacagaac agaggccaca 208380  
gaaataatgc cacacattta caatcatctg agtttcaaca aacctcaca aaataagcaa 208440  
aggggaaagg attccctatt taataaacga cgttgggaaa actggctagc catatgcaga 208500  
aaactgaaac tggaccctt cttacacct tatacaaaaa ttaactcaag atggattaaa 208560  
gacttaaca taagacctaa aaccataaaa accttagaag aaaacctagg caataccatt 208620  
  
caggacatag gcatggacaa agacttcatg actaaaacac caaaagcaat agcaacaaaa 208680  
acaaaactg acaaatggga tctaattaaa ctaaagagct tctgcacagc aaaagaagct 208740  
atcatcagag tgaacaggca acctacagaa tgggagacaa tttttgact ctatccatct 208800  
gacaaaggac taatatcctg aatctacaag gaactgaaac aaatttaca gaaaaacaa 208860  
ccccatcaa aagtgggtga aggatatgaa cagatacttc taaaagaag acatttatgc 208920  
agccaacaaa catatgaaaa aaagttcatc atcactagtc attagagaaa tgcaaatcaa 208980  
aaccacaatg agataccatc tcaagccagt tagaatggtg atcatgagaa agtcaggaaa 209040  
  
caacagatgc tggagatgat gtggagaaat aggaacgctt ttccactgtt gatgggagtg 209100  
taaattactg caaccattgt ggaagacagt gtggcgattc ctcaaggatc tagaaccaga 209160  
aataccattt gacagagcaa tccattatt gattatatac ccaaaggatt ataaatcatt 209220  
ctactataaa gacacatgca cacgtatgtt tattgcagca ctgttcacaa cagcaaagac 209280  
ttggaaccaa tccaatgac catcaataac agactggata aagaaaatgt ggcacatata 209340  
caccatggaa tactatgcag ccagaaaaaa aaggatgagc tcatgtcctt tgcagggaca 209400  
tggatgaagc tggaaccat cattctcagc aaactaacac aggaacagaa aaccaaacac 209460  
  
cgcatgttct cactcataag tgggagtga acaatgagaa tacatggaca caggaggag 209520  
aatatcacac accagggcct gttgggggtg ggggactagg ggagggatag cattgggaga 209580  
aataccta at gtagatgat ggttgatggg tacaacaaac ctccatggca catgtatacc 209640  
tatgtaacaa acctgcacgt tctgcacatg tatcccagaa cttaaagcat aataaaaaa 209700  
aaatttttaa aaagatgat ccttcattag aaggtctttg cacacactca gaacgggagc 209760  
actaaatcac tgtccaatca ttattgtcct gtgtggagcc tatggaaagg tggcagtcag 209820

agcagctatg accttgtaag ctgaagcaga gaaatcccca aaaagaaaag gcagaagaag 209880  
  
 cccttcaagg atgtggcata cacagctttt taaaaatgtg acatggctgt gaactgctga 209940  
 gaaacagcag ctaataggac acctgatgtt ccgctataag gaatgtgact tctccttttt 210000  
 gagcacaggc tctttaggcc aaccgtgaat ttaagagaca aattctgagt tctttcaaat 210060  
 agctacagtc cctaaactga aatcccccatt catatacaca acgtagaagg aatattggta 210120  
 gtagtctttt caaacactga tgtacgctct gattgaagac gtcactata gaaatgaaat 210180  
 acaatgatat tatgaatgca tgtgtacatg cacaacaag cacacgtgtt catccagtta 210240  
 acaaatattc attgaattca tctactctac atgatcaaga caaaaacgtg ttcggatatt 210300  
  
 gcttctgctc tticatggag ctcaatgatt tttagacaca gacatgaatg attataatgc 210360  
 gagggatgtt taaattgcta aatcattaca gtgatgggaa taaagcaatg aatacttga 210420  
 aaaaagagat tatttctatc tggggtgatc agagtgtcga gaaatgtgtg cacacacaca 210480  
 catacacaca catatcatag tcagcaatat attttgtgag aaatgtctag aaacgtacaa 210540  
 aaggaaccag ccaatggtaa tgaagagact gttacacaaa gatctacaat acaaatagaa 210600  
 aatgagcca gggtactcac taccacaagt aacaccaaga acttgcaaga gcttgacgtg 210660  
 atgaatttgg aatagacaaa ctagaagtga agttcaacta ccaaaactta taaaaattaa 210720  
  
 atgaagggcc aggtgcagtg gctcacacct gtaatcccag cactttgggg tgccaaggca 210780  
 ggtggatagc ttgagcccaa gaggtaaga caagtctgga caacatggca aaacctcgtc 210840  
 tctacagaaa atattagctg ggcatagtgg catgcacctg tgggtccagc tacttggaag 210900  
 gtagggatga gagaatcact tgagcccagg aggtcaaggc tgcagtgagc catgagcatt 210960  
 ccactgcact ccagctaggg tgacagagca aggtccactc taaaaaaaaa aaaaaaaaaa 211020  
 aaaaaaaaaa attaaatgga aagaagattc tgtttctaata aatataaca gtcaaataga 211080  
 aaacactctc tcaatcaata aagcaagtac ctccttcctt tatgtgtgaa cctcatacaa 211140  
  
 ctttctgtaa tgaactctgt gaactcattg ttattctaata gaagtgata tgtaagtata 211200  
 aattaattct ctcagttcca catgtttaac actaaataac tgagtgtcta ctagggtcag 211260  
 gatttgctta tggctcttaa catttgttta cctattctgg gtattatctc attctacat 211320  
 taaatattat tcacactcag tttgtaggaa aaattgagat atgccaacta aaacttcagc 211380  
 aatctttcaa taacatcact tgccttctaac ataaaggaag gtattccatt ttcccttta 211440  
 ttagagcact tcaaggctta tctttgagtt tagtaaggta ctactaata ataaacagca 211500  
 cttatctttt cttctcccca ctcaaaagct tgcagaata tattccagaa tatcaaaaac 211560

aaaacatagc aagcctaagt aagtccttat tttagctaag tgaataacat gctggtaatt 211620  
 ctgattttta atagatggaa atgtacacat catgaaatta aggccaaaga ctaagtaaac 211680  
 actgtaaaac ccataaaaag tttcctaaaa tctggagact ccaattcact atattaagac 211740  
 atcacaagaa agaaactgtg aattacagat ggttcaaaat ttttgtcaaa ataacacatt 211800  
 taagttgggt gtgaataaa ggttatggtc tctgcttaga ctgagagctt gctgaaatta 211860  
 tgtctcaggc ataacatcct ccctaatagt taacatagtg cttggtagaa aaataggaag 211920  
 aaacatatt tattaaggac gtatataatt aatcatatcc attctatgat agttgcctaa 211980

gttttcctag cattagacat gagaacaac cattcacttt cccaaagcta aatcgagtct 212040  
 cttaaataaa tattttgaag aagaacacat tctgacatgt cttttgaaac taaagaaaac 212100  
 aattcaaatt caatttaacc tatttctaca ttctaaatg aaaccactaa agagaaattt 212160  
 attccagtct aaactttgca atcacagaag aaaaacctct gtggggaagt ctcccatgg 212220  
 atccctcctg gcccttgttg ggcatccctg ctccagagta gcccatcaga gtcagtgaag 212280  
 cacaatggct ttacaagcag gcagccattt ccaaggctga gtgtgcaaca tgtattcat 212340  
 aagtaaagcc ctgaggtca tccaaattct acagcagcca gtcattccct gtgaggtcgc 212400

tatcttaagg agattaaaga agtccttcat gaagtcttgc cagtgttaa gattgtcatt 212460  
 gtctcatcag attaacacta gcactctgat gtaaaagaca tccaggttct ctgtgttta 212520  
 aggcaattct ttgagagaa tctctgagga taggtggcca cagctatagc agcttccagt 212580  
 acagctctac tgccaacta ccagaagacc tggagtcca gaagaaaagg tgattctcat 212640  
 gatttccaa gtgctgcaga gaagctgacc tggcaatgat aatggcactt ctactgtgcc 212700  
 tctgcagtca ggagtttccc agtccagctg caggccttgg tgaaggagaa gagccagaag 212760  
 ggctgtataa tctcaaactt tacttggagt ggggagtacc tccctcatta gagtgttaagt 212820

ttcatgagag cagggacctt tctatttatg tctatatcca ccataccag aagagttcat 212880  
 agtaaaaatt caatacattt ttgttgaatc aaagaatact gaatgaatcg gtgaatcact 212940  
 aaagcagtca agaataaaca atattaggaa taaacatttt taagtctctc agcttgtgct 213000  
 ctctctctc tatagtctat tctcagagca gctatattag tcagggttct ctagaggagc 213060  
 agaactaatg gaatatatat attatatagi ccgagttcca aaattaaaga acttgagtc 213120  
 cgatgttca gggcaggaag catccagcac aagagaaaga tacaggatgg gaggctaggc 213180  
 cagtctctcc tticacattt ttctgcctgc ttatattcta gctgctctgg cagctgatta 213240

gatttgccc acccagatta aggggtgggtc tgcctttccc aaccactga ctcaaagtgt 213300  
 aatctccttg gcaacactct cacagacaca ccaggatca ataacttcta tccctcaatc 213360  
 caatcaagtt gacactcagt attaacatc acagcagcca tgtgataact tatattacac 213420

catgtctctt cctatgcaa taccccacaa tggctgacaa cacactggga ataaaatgta 213480  
aattccttat catagcctgc caggccccac atgctccaac tcctagctcc ttctctccct 213540  
cactggcctc ttgtagttt ctgagacaag tcaagaatgc ttccacctca tggcttttgc 213600  
acttgcctgat cctcctgtct gcaactctct tccttaacgt gtgcattatt cacacttcag 213660

ttcattcgga actcactgaa ctctggagag gactttttga caagcctgtc taaaatagta 213720  
ccccacatca cctctatccc ttactcactg gctgtttttc ttacagcag ttactctttt 213780  
cgacatatta aatgttgata tgttcatttt ctgtctcccc ctctaaaatg tgtgaggatg 213840  
aggatgatat ttgttttate agtggatcct cagcacctgg gcaaatgccc aaaatatact 213900  
agagtacatt atgtaaaaat ttggatgaatg attgaatgca acaatcttac aaatttgctc 213960  
tgacatcctt gaaaattcca caaagcgaag atatcattca gtcactgaac agttatctgg 214020  
tactgctttt gtacctggca ctggataggc ctggggagag gcacgggaga gaggcacata 214080

aatccctcat ggaccagcc cttagaaga ctagggcagg ctttaaacat gttccatgaa 214140  
ttgtacagc caatatacaa actgtaaaga gaaataagga ggaaacagtt ctacctgagg 214200  
tgagaaaagg cttcatggaa gaattgaaat gtaggcctga aataactttc cataaggaag 214260  
tggcggcata tgctcaaggg agcatggaac agtctggtgg gatgaggtaa ggaaatgtag 214320  
gtaagtatgg tcacagcaca aaaagcacag ggctccaaga gcagcagtgc atgtgtggtg 214380  
agagctgagg cttcatggga aagtgagaaa ctgattattg tttatttccc atgttaagga 214440  
tctggaactt tattctgcag cccaacgaat cctccttaag tcccggccta gcaggatcat 214500

tactacttta aggtctgaaa gggacgaaac gtccatctcc atctgcgtgc atcacaactt 214560  
tactaccagc atttctatat tgtagaaatc attttgcatg tgaataatgc ctaaaaggga 214620  
acacaaaaac aggaaaacaa ttgtattcac tgggaattgg agctttgggg gtttctttt 214680  
tgttactgaa cttcttttct gttgggaata ggccccaaa atctcgccat aaactggccc 214740  
caaaactagc cataaacaaa atctctgcag cactgtgaca tgtttgtgat ggccatgacg 214800  
cccacgtgg aaggttgtgg gtttaccgga atgagggcaa ggaacacctg gccaccag 214860  
ggaggaaaac cgcttaagg cattcttaaa ccacaaacaa tagaatgagc catctgtgcc 214920

ttaaggatgt gtcctgctg cggataacta gccagagctc atccctttat ttcagcccat 214980  
tcctttgttt cctgtaagga atacttttag ttaatctata atctatagaa acaatgctta 215040  
tcactggctt gcgtcaata aatacatggg taaatctctg ttcgaggctc tcagctctga 215100  
aggctgtgag acccctgatt tccactcca cactctata tttttgtgtg tgtgtcttta 215160  
attcctctag caccgtggg ttagggatc cctgaccgag ctggtcttgc acttttcatt 215220  
tcctattaaa acctggtttt cggcagggcg cagtggctca tgcctgtaat cccagcatt 215280

tgggaggctg agaagggtgg atcacctgag gtcaggagtt tgagaccagc ctggccaaac 215340  
  
 atggtgaaac cccctctaaa aaaattagcc aggcattggtg gtcctataa tcccagctac 215400  
 tcaggaggct gaggcaggag aatcacttga atctgggagg cagaggttgt ggtgggcca 215460  
 gattgcacca ttgcattcca gcctgggtga caagagtga actctgtcta aaaaaagaac 215520  
 aaaaacaac aaacaaaaa aacccccca aaaaaacctg tttgtctcag cctctgtcat 215580  
 atgttggact atggtctcca ggtttacagt tgccaccctc tttgcaggtc tgatttcct 215640  
 gacatcagca ctctctgga gatacagttt cacaattatt tgttgacttt gcttggagta 215700  
 attaagccct aaattctgcc tttgcacaag ccttaacaca gtgaataggt caattataga 215760  
  
 taaggactgc cactgacaaa caagcttttc tgaccathtt agccctgagc ttcaggcctt 215820  
 ctggttatca gttttccaat caccaacctt tagggcattc atctagccta cttgttttca 215880  
 atgtttttaa ataaaaacct tttttctttt cctcaaaaca atctcacaga gtccagtgt 215940  
 taaaatctgt aaagcaatgt tttattaatg ataaatacat tatgcatgtt tacatttga 216000  
 ccattctttt atagtgaag tgaagaatga acacaatgtg gctatttga tgagccagac 216060  
 attttcaate ctgacttatg ggtgacagtt gtggttctgt cattcccaga ataaaatttg 216120  
 tttctgtact tttgttga aagcattaaa aaaaaaaaaa aaacactgga tctagtcat 216180  
  
 acatcctgca tttaaaaag aaaaagagag actgagagac cgaagcagag ctgggaactg 216240  
 tctaatagac gcctcatttg taacaacct cagtaggttg aggttgcaaa ctcatgttc 216300  
 tagactctag agtcaggagc caaatccagt tcagttcaca gtgcatgtgt tttcattagt 216360  
 gtcactgttt aaaaattgaa aattttcatg taagaatctg gagacttgc tttctttgga 216420  
 atctttgagg atctggcagt actggggcca cattccaacc tggtaatggc tttaggcctg 216480  
 aaagaagctg tttgccctt ccagatggcc ttacacatgc atgcctcccc ttcactacce 216540  
 tcctggcctt gtaacatgga agtttgtgt tccaaacta caagtccaaa ggcaatggga 216600  
  
 gacacgtgtt tgccttctct ctggctccat caaccctaat ccaaaccacc atcaggctct 216660  
 ccacagactg ctgcagtaac cttctaatat tcacactgta gggctgctct cttgtgcag 216720  
 gtccccggcc tatttacct cagatccatc cttgcccttc actgactcct gggacctgca 216780  
 ttttcagaca ctcatgttag ctgtctctca actggcttca gccaatggaa ggcactgcag 216840  
 gatactggaa ggcaggagaa aggaagaagc caaggtattc gtgtccctgc ctctctgcct 216900  
 tatgtggtgt ctctggcagg agcagtctct ctcccctggc tccgttgtg gagtccccac 216960  
 acaggctgtc tttgccaga acacacttgc atcactcagg gtccaacaa gaaacagatg 217020

gcatagttta aaaggataat ttgaggtgca ttattttaca cagggacggt ttacaaacat 217080  
 gtgggtatag aggaatcaca gtggatagtg cttaacactc ctagacccaa caaggagtga 217140  
 gtccagaaga gtcacccgtt ttgtgaggag ggggcacatt caggcaagag atgcagtcaa 217200  
 ctgaggctaa ctctatgggg caggaatggg agaataaaac ccttgacatt gtttttcctc 217260  
 cctcctcagg gtttctctac agtggcgcta ttgacattcg gagccaataa ttccttgtat 217320  
 tgggacaggg ctatcctgag cactgtagaa tgtttagcaa gaagcatcct ggcctctgtc 217380  
 agctagatgc ctcccagtta tgacaatgaa aaatgtctcc agactctgcc aaatgtccct 217440

ggggtgcaaa ataacccta ggtgaggacc actgagatac aaccacctgc ttagtccat 217500  
 ttagatcagc ctgagagcag agagacgaat ggaggagggt ggaaagtgga ttcggagagg 217560  
 cataactcct taccacacac tgacctggca ctgaccccc actcagtctt cagacctcag 217620  
 gattacctgg aaccttctca gagcacctt gcctggccag ccccatga ctgtttaat 217680  
 taagctttta cttattatc taattgtacc ctattgctt cctcagacc ttatcacagt 217740  
 ttgtgattat ctattttatg tgtctgttta tgtttaatag ctctctcacc tgtggaccga 217800  
 aaagcatttg cggatatggg ctgtgactgc ttgttcacct agatgctagc ccagtgcctg 217860

gcataaagtc ggagcgcaat aaacacatgg tgtgtaacta aattaagaat gaatgtattc 217920  
 acttgacga actatggcag tatatagtct ttgggttact aaccaaagat ggccatacat 217980  
 ttctttgaga gtatgatctt ttgatgcc atcctgcacc tcacattcct gtcagtgtga 218040  
 ttctgtctgt catgaatgtt agagaacctc tgtttttctg tttctcagta gtgtcagaga 218100  
 gccactgttt tagttcaacg tgacaggcag tggagtatta agagcaggga tccagagaca 218160  
 aatccttggg ttcacatcac tgcttcttct actcttgact tgctgtgtga ccttgagtga 218220  
 gctgtctaac ctctctttat tttctctac agtagaataa gaataatgaa actacatc 218280

tcataaaatt agtacaaata gtaaatgag ttaagaattt ttaagcactt agaagatcct 218340  
 cattctgcat agtgaagaa ctatataagt aaatgttaaa taaaataaat gttaaataaa 218400  
 ataaatgtaa tctcaggcaa acattaggct tccttcccat gaagtcttgt tcttttattt 218460  
 ccttccctt tgggtgctat aagactggaa aagtccaagc tctttacagt aaacttctcc 218520  
 ctaagagggtg ttgagtattt agtctagact atgcagccca caagcagcaa atcctttagc 218580  
 ccttcaatgg tgcctctggg ctgtgtgact ggggcaagtt tatgtcagga tctgtccgcc 218640  
 tgtaagcaa gccttcaca gtcaagggtg gaatgtaacc tgttctactc atttacctt 218700

tgagctcttc tttttccatt tagcatagga taaacaggta gctaaacaat ttatgaacta 218760  
 aacttcttc ctggttttta tttttatatt tttcatgga gtatattaat gccaaaaata 218820  
 aaccagttat taattttatg tagaatatga cctaagtatg aaccagtga atagttattg 218880

tacttttata tcacttcaag ctgaaatatt aaccaaaggt attctaatta aaacaccaag 218940  
 acatgtcttc aaaacataga aacttggcctt gttttctaata agagaataaa ataataat 219000  
 cctctttaat tttattttat cctttaagct tacatttgat aaaggtagaa agtttacttt 219060  
 ctaaaagaat taaataccat ttacaaaaag aaaacttagg taatcatatg tagagataac 219120

aatttacttc acacacaatt gaaaggcaaa agggcaaaat gtgtgactaa catgcatatt 219180  
 aattctgaag aattaatggc ctgattttatc ttttttgatt aatttttaata ccttcaaatac 219240  
 tctttgctct cattcttcga tctctcagaa gacatatcat ttttttcac cttacatttcg 219300  
 aagcctaata gactagtttg tactcaatag tttctacaga acattttaat attacaagt 219360  
 ttggagaaac ataaaatctc tcctttacctt ttaccgtgac ttcatttatc tgggcaatct 219420  
 ccacaaatct agaaagtagc tttgatgttt tcatcagaca ttattcattt ataaacttta 219480  
 gagtgccatc tgtgtgccag gtgctacacc aggaactgga aaaactgcaa gaacaagtcc 219540

ctgctatata agttttcagg cacaaaataa atttaataa atttaaacag aaaggtttgt 219600  
 gtattcaggg caaagataat agcaagtaca agaacgtga gatgggacag agtgtagtgt 219660  
 actcaaacaa acagcaagaa ggccagcgat ggatgggaga atggtaggaa gtgaggccca 219720  
 tagggtagcc agaaggcttg gtaaggactc ccccgaactt tattctatgt agtgggaagc 219780  
 tatgaagtgc ggaaagcgag cctgatttac actaggacca ctctgggagc agaaggcatg 219840  
 tgcagactag agtctaggtg gaaacagtgg aggcaaggac acaaattagg acatcagctg 219900  
 aggcaagaga tgatcattac attagaggag gacagcaggg gcagataaaa agagaagcgg 219960

ctgcactcag aatatgcttt caatgtggag acgacagatt tgccaactgt aggattagat 220020  
 gtacaagctg aaaaagtgt tttatttatg atatttcaca gaaattatga caactctgtt 220080  
 tgcaacattt tagtagagca agaaattaag tagtacacag ctatattgaa agaatacaac 220140  
 taaagtitta acaactttca tctaaactag agagaaaaag gaaaaaacag atatagtaca 220200  
 tctaaacaga tatgatacat ttaaataata tatatctaaa cagatatgat gcatttagat 220260  
 atatctaaac agatatgata catttaatta cacctaaatt gttttcttat atatataatg 220320  
 ctcttgggca tagcattagc atagtaggtt tattgaggat gttaaaagta cagaaaacac 220380

tttttttcat actttgccct tcatttacca ttctttact acatatcttt ctcagtttta 220440  
 gaaaataaaa taaatttcaa tgaaaataaa ataaataatt aataaataat aatattgcc 220500  
 atttattgac tagctactgg ggaaagaatt ggcaaattcc tacttggtat tcaactattt 220560  
 tagtttacca accattgctg gttatTTTTG ccagtttagca atttaacaac cattgttaat 220620  
 ttaccattta aaagttttaag gaggcaaaac ttggcattag aaatggcata acctttccaa 220680  
 aggaattctt tacatgtagt gaaatttcaa aaacactctg tggttgactt taacagtgtt 220740

ctttctctca tctcactgct ttgctaacat ttcttataca tatttctttt tctttaaaat 220800

ataaactatg taatcattgg tcctttataa attaatcata tatctttaat atgaactgat 220860

aaagaatggt tatttctgaa catctatttg ggttccacaa atcaacttccc aagaatttta 220920

aatgaagaa aacaaatctg aggtttaaac ttgtaaaaat ccacacagaa tgaatacgat 220980

tagtccccg atgggtaaat caaaagattc cctgtagatg caaaaccaa gaatttggaa 221040

caccaaacac tccattaaaa ttacctgggt ataactctta tgatgtcagg ctgaaaattg 221100

actataattt agtgaagtga aacaattaat tgtattgtgt ctaatgtaaa caaagactat 221160

gactagcaag aaggtgggta gactatagca cacatgcata cacacagaaa gaaaacccta 221220

gtactgtagt attatccag tcttagccag gtaaagaaaa ctctgtgact cataaaaaaa 221280

attatttaaa agacatgcaa tttatcgtcc aagatctgcc ccctgaaagt acaatgtaca 221340

aaagaattgc atccttcttc atcatttcta attacgtgtt taaaatgtgc cttctccac 221400

ctgattacga atccattcg gagggaaatg ggggggaatc atgtctacac aacactacat 221460

ctctagtaca ttctgttaga agagaattgc gatactccgc tcctgggtga cattggagat 221520

acgattcgct aagcatactt cttagcatctc tctgtccatt tactcactct tccctgggga 221580

agagaagtgg aagcttgaga aaagttagca ggaatgctca ggtglaccat actccctctt 221640

gggagttgcc tgcccacagc aggaagtatc tcccttcacc tctagagcct aaatccctgt 221700

ggagaaaaga tctgcctgcc ctatgccagg actgcaggga ccacatgggt aggtcttctt 221760

aattctgaga gttgggttat tgggttcgtt gggctctctca tgaatctatg actctaactt 221820

tgatctataa atgatagaga tgatatcttg ctccatctg cttttcagag tttttttttt 221880

cttaattat tgagattcca ggcacagcag ggggaaaggt cctatttact ggcccccttg 221940

aaacttaac acataacaca atgtctgatt ctctgtaaat gcttagcaaa tatttcttga 222000

gcaactgtag agattaacac aaaaggctga ttctacaaat ttaagttctc tgcccacaaa 222060

aagccttagt atactacagg cggaacttg gaggttaca tcttgccat ccagtgccca 222120

cttttcagat aaaataacag aatgatctgg ggtcttgaga tcaagattgg gctaggatat 222180

ctttggaaac tgggtcgaat gtggaacatc atatgcctca agactgtggt agagaggctg 222240

agtaggctgt ctaaaaatc tattcaattt aaagagtga cagaaagaaa aaaatctggg 222300

caagacacca acaggataaa aatcaaggag atggaaatga gtagttagaa cagaagtcta 222360

tggaaaagac aaattctgga gaaaaacgct aatctggctt gaaaatggct gcagcatatt 222420

ttattatgca cttcatggct ggaaatgaag cagccggagg ggcacaggga gctgggtcacg 222480

ttacggctgg ttgtttgggg aagtgggcaa tgaatgattgt ctcagatagg gaggatgtcc 222540  
 ttcaagccca agagcacaac ggaagcacat ttacttgaa taagaaaaat cattgcctga 222600  
 ttttaattttg ccaatgatit tctgcactat tactaaaata tactcagtaa aaacagccaa 222660  
 ctataaaact caaaataatc aagtttttac attaaacagg aaattagagc ttccttttat 222720  
 aataaacaac tatttaggtt gtgcaaggca taatatttat caattcaccc agaactctga 222780  
 attataaaac acatttcctg atgtttattt ttcctcaaca tccaggcttg gactggagca 222840  
 agtccctgac cacttaactc ttaatagctg acgtgcctc accgcacctc tattcaatgt 222900

ctgtacatta ttcaaaagaa gtgaaggga agccttggtt gccttggttg ttggaagct 222960  
 attattttca ttctcctgt gtggcagaag aaaaaagaca gcaatgaagg acctgtcaat 223020  
 atggaaagag taaactgaac tgacgttttt ttcaagtagt gagtcttttt tccaggtttt 223080  
 ttagccctcc tctctctatc agttgtttat gttttaactg gatctatctg gtgctgattt 223140  
 atatgaaata ctattactac ttgagtataa ctaatggctt taagacagtt acttagagta 223200  
 gctagaaagt tgtctcttta aaaactattt taaaaatata taaaaagta tccagaaaaa 223260  
 ataatatata atatttataa aaatatattt caaatatata ataaaaatat aaaaaacaat 223320

aaaagtacta aacaaatggg agattatcaa tgtaaattta agaagttgat aactgtactg 223380  
 taatcgggtt agaaaatcca cactgaatac ttaaagaacc acaatctgtg atgtaagttg 223440  
 taatttactt caaaagggtt aggaaaaaaa tgtgtgtgtg tgcatgtatg tgtctgtgtg 223500  
 agagagagag agaatatata taaaatatac acgtggctta cataaaactt tccatgatat 223560  
 tacatggcat tatatattac ttatcgtttg tcagtaaaca ttcatatatt ttatagttgt 223620  
 gactaaggat ataaaaatgt ttgagtagta acttatttca tataactcta aaattaataa 223680  
 ctgaaaaata ttaataacca agtacagtaa atataaaagc aaacacaaga agaaccagc 223740

agataacctca gtgtcaattc agtaatatgc ctaatcatac ataagatgac ttttatttac 223800  
 tgctccttat gggaacttga gttaaaagg caagaaacaa gtatctgtag ctgtctgctt 223860  
 ctagaaatcc tgaccactgg ctgtgatgca caaaacctta gctgacttac ttttgtactt 223920  
 cactgttatt gtataacaag ttaattcaag gatggcgatt gaatccatgt aaaaatgact 223980  
 atatccaaat cactttatgt aaccttaata tatagcataa acatacatat aaaaatcaat 224040  
 attataaat aatagaaatt atatccatga ttttgtttc aaaaggaaac acagatgcat 224100  
 gaaatgtact caacacaata ggtcatctct ttttctagc tcaaagaaca ctgcctacca 224160

caaagtggca cataataaat atttgtaag tgaataagca aatgaattaa taaatgaata 224220  
 aaacaaaata atatatgtaa tgtttttaat gcaaaaactg gcagatagca ttcaatatgt 224280  
 gatatggttc agatttgtgt ccccacgcaa atctcatgtc gaatgataat cccagtggtt 224340

ggagggtggga cctgggtggga gatgattgga tcatggggct ggatctcccg ctttgggtgct 224400  
gttctcctgc tggagttctc acaagatctg gttgtttaaa agtgtgtagc agctcccccc 224460  
acctcttgc tcttgcctg gtcatgtaag atatgtcac tcccccttg ccttccacca 224520  
tgattgtgag tticctaagg cctccccaga tgcagatcct gccatgctgc ccgtacagcc 224580

tgcagaacca tgagccaact aaacctatit tcattataaa ttaccagtc tcaggtatit 224640  
tcttatagca gtgcaaaaat ggattaatac aatagatct ttgtaataaa cttataata 224700  
ctactgtata acatttaact ttgtcctagc catcatgaga caataaatta gtaattctca 224760  
atgaaagga gcatgccaca ctccccacg ggatagttit tagagttit tgtttatctt 224820  
ctgtttttt gcctttactg actgttactg tgattggcgg tccaactata agttgggacc 224880  
aaggggactg ggtgttgtga aatgtgtagt acagccccac agaataaga attgtcctgt 224940  
gttttgtgca attttataat atccaacaca tgacaaacct tcacattitg tcatagtitt 225000

catatatatc aaattttcta ggattctgac tactgtatag tagaggaaat attgtatgat 225060  
gctttatit ctttgtggag gtactgggag ttagtaagaa gttcagagta gtttactaaa 225120  
agcagtatca ctttgggat ttgaattgct aatatttcaa acagatgagt ctgcattit 225180  
agctgttgaa ttcatgtga aagaacctc ctctctctc gccccatct atccaactac 225240  
aaatacatit attgtcgt tgttttaaaa taataattat agagaagaag gattgaccat 225300  
caactaata ttgcctttc ctaaatctaa attattcat tccaagtaag gacaagcatc 225360  
tgcctcttc cttttcttt ccagtgagc catgctgagt atttaatac tgaaatgcat 225420

atcattttac tacatacata aaattttatt tctctctt ttcacagtt aggtattata 225480  
ttgattcttt aaaatcatat atgcaggtag attgtattt tatgagttt attcaatggt 225540  
agaaaaggaa gatgataaaa agatattatt taaaaagtct attgggttgg ataggattga 225600  
aaactactgc acttgatcct atgagatgcc aaaataaaag gcagaattt caaacagct 225660  
ttgcaacact ttgacacct tagaatgtag agaaagaaga gaattgatga gaactatagt 225720  
tccataacct ccccttcccc caagcaactt gggcaggatg ctacctctac tttagctag 225780  
ggtaggggct tccatgagag cacttagaaa gcttcaaata tgtttctgc agttggagac 225840

atgtgtgcct tctcaagtc tgagaaagct aaaggagcta gaagagactg ccagcaagat 225900  
agagggtcct atgttttgat tgactggcac tttagaggtt gttgaggata atagatacat 225960  
gcccagatat gggtaacaaga gagagggaac ccacacatca ccttttatg tccaacttag 226020  
cctataggat ttctaggag gacagtacac atccaatcgt gaaggtctgt gtggagtga 226080  
tcatgaatgc taagggttg tgggaaggtg ctgagcttta agcccaaagc aatataattg 226140  
ctcttgtcaa agaagctatc aatcttctgt ccatgtagat attatctctg gtatcttact 226200

aggcttgact ctttgagaga ttagctctca gagcctgtgc cacataattg ctatctgaga 226260

agtttcatta ctttatctgt ttgcattacc agtgcacact ttttaaaat gttagaatat 226320

tgtttaggaa agatcctttt atttctcca tattgtact catttcaga tatgaaagct 226380

acacaaaaat cagttatgaa attgaggaag atgaaactaa agatgcatca ttacattca 226440

atcctagttg tatatttaac agcttcttct gtaagcacag gtttagtaca taaaattata 226500

tttgaagttc tcaaatttgc atgttaccag aatgcaagcc tctgtaagta ttatcataga 226560

tcaccactcc aatcagagta aaaagctttc ctgaaaatt ttttctttaa gattagagca 226620

aatggaaca aaatccttta atactttaaga tttttacctt gtggtcatac aagtcagagt 226680

agttcagtct tgicatatca tgcatgtatc tacatgcaac gtttttaact gtacatgat 226740

tgaagaataa tagaaccatc aattctaagc attcatgaat tttttgtcac tccatatcaa 226800

gccaagtgtg gagtggaaaa tgaatcagag acctgattct atggcatata gagacaaggg 226860

gcagcatacc tcgccaggca gtgagctctc tatctctggg gacactcaag tgaaggcaag 226920

aatccttcat ctaggacatg aaattcctgc attgactctg agattacaca gataaagcta 226980

ataattcata tgcaacaaga cagatatac ttgttagcat gaggaggga ggttggatcc 227040

tcagagaaa tagtactaaa acaagtgcag tgaaccattg tcttttgatt acccagcatg 227100

cattcacact tacttcttc caggacaaat agcccttca cattctcagg ccaattgctt 227160

caagtaaaat tatctctacc ttagggatcc aggattgaag cccaccacag gtttagcagt 227220

acattccctt ccttgccac agtggaatt tcaggattga gtattagacc tataagtcag 227280

gctaactcagg accaataagc tcaattctaa aattccctct gcagcaggct ggaagtggag 227340

tatctcttac aciggatcgg gtgttatcat gctgtgagcc tggaactctg caaggacagc 227400

tggcagagtc agaaaatgaa gcctatcaag aggattcagc gtatggccag gcgcagtggc 227460

tcacacctgt aatcccagca ctttgggagg ccaaggcagg cggatgcct gaggtcagga 227520

gttcgacacc agcctggcca atgtggtgaa actccatctc tactaaaaat acaaaaatta 227580

gctggtcacg ctggcgaca cctgtagtcc cagctattca ggaggctgaa gcaggagaat 227640

cgcttgagcc caggaggctg aggttgttc agtgagccga aatcacacca ttgactcta 227700

gcctgggcga cagagtgaat ctgtctcaaa aaaaaaaaaa aaaagaggat tcagagtaga 227760

aaaatagcgg actctgagtt ctgaaccaag acacacctgt tcagttacat aagccatcac 227820

agtacttttt ccctttttac taagctatit tgagttgtat cttttctaac ctgcctgttc 227880

cggcaacaaa aaaagaaaaa aaaaaggagc agactagcag atcaagtgga gattatagtg 227940

ttccattcta tctcagttac taaggatagt gtcagatata taaaaggtgc tcaataaata 228000  
 cttgtcgaat gactgaaaaa aatgctgcaa gcagcaggaa gagccaagat ggcttgga 228060  
 aggagaggga taaggaggaa gtggctggtg actgtgtgtt ggtgaggaga ctgcgttaga 228120  
 gtacaggaga gatttttagc agctgttatg agtgaagac tttggggaga tggagagagg 228180  
 tataaagaga actgttagga agtttgcctc atgataagct gcatatagtt ttccttacag 228240  
 aaggaaatat aacctaaaaa tctatatatt attcttcaag gcttctggag tcatacttat 228300  
 gtccttgaat gtaacttctt gcagaggctg gctttgaggc agagcacact tgccagattt 228360  
  
 aatgaggatt atacaaatgc atctaaatgc tttatgtgga gatcaaattt aaatgtattg 228420  
 ataaaaacag gcatatcttg acttgcctc aagagaaaaa ataaaaggaa cggtttttac 228480  
 cccaagcat aacttcaatt agaaggtaa gatgcatatc cagtatagca tgttgatatt 228540  
 tatttcaaca aattcaactc aatttttggc catctaagtt ctttcttgc aatttccact 228600  
 tctatatcaa atcaatgac tagttttttt tttttaagg aaaataacta ttgtaacaa 228660  
 aaagaaaaag tctattaaag aatcaagaaa ctgattata cattgacagt ccttccattt 228720  
 tttataaat ctagaaaaat attcatgttt acttgtaact caatgtttgt gatcaaaaat 228780  
  
 aaagcaatgt ttctaattga accattacca ggcaagcatt gacaaactga atattttaca 228840  
 tactgccact acagctttgt ggcaactaac tacaatgttt tttctgaaga aatcaagtaa 228900  
 tatttttagc tttttttaa aagacaattc tatgttgtga tgctaaccag agcatccttt 228960  
 atttaaatc tggtaggta ctgtcactat atctgtgggt aaagggtact tagtagaata 229020  
 ataaaaatg aaagcaagct tgaaagtctc tccacgacac cagtgacaac aatagagacc 229080  
 tgacttgaag ttccacagta actctctccc tgaccttgag tgtcttctc accttctgca 229140  
 tgtctcacta aatcacataa ggtgaagtac ctctttaaga gtattaaaga cctactctgt 229200  
  
 tattgcaaca ttaagagcat aacacttaaa cacattgggtg aagaaagaga acatcagatg 229260  
 actaataaga aataggggct gggcgtggtg gctcaaactt gtaatcccag cactttggga 229320  
 ggccgaggta ggccgatcac ctgaggtcag gaggttcaaga ccagcctggc caacatagtg 229380  
 aaaccccatc ttactaaaa acacaaatta gccaggttg gtggcatgca cctgtaatec 229440  
 cagctacttg ggaggctgag gcaggagaat tgctgaacc caggaggcag aggttgacgt 229500  
 gagcccatg cgcgccattg cactccagcc tgggcaacac agcaagactc catttcaaaa 229560  
 aaaaaagaaa gaaagaaaga aagaagaatt gataatactc aaacttattc ctcttgagca 229620  
  
 aataaaaata tgtcactat gacttacaa tatttcagaa tgaaagctat tgtcagtgt 229680  
 ttttagaga gactatata ccaactaca tatcaaaact gagaaaacat atatatcttg 229740  
 aaaataaat aattatttac ctttgttta aattaatttt tgttagctcc aaattgtttt 229800

ttgctacaaa taatatTTAA aataatTTTT aattattaac agtggTatgg gattTTTTTc 229860  
 agctgagaaa catttatTTa ataggtTTAA ggagaagaag aagataaagt tcactTggaa 229920  
 acctgaaaac tcggaagata caatgactcg tggaaaaggga tgtcaggga aataccataa 229980  
 atgacagaca ttttagcatg ctttctatct tgagtaggat ctcatTTatt ttaaaaagtG 230040  
  
 aagtGagatt tggatctaca atgacagagt tttccaaacg ttagcaaTc ttggctcata 230100  
 tagggaacaa tgtttgcaT atgctcgggg ataatggatg aggttgctcc tagctgaagt 230160  
 gacagccaaa ggttctgggc cacccttg caaaactcag ctgctctagc ggctgagggt 230220  
 atcaatatat tcacgcacT gtgcccattc tttcaccatc tgtggggaaa cgttgctctc 230280  
 caaaataaaa aggcatgTaa atcttccacc acttctggga aacagctcca tgtacactca 230340  
 ttcacagtat tgagtcaata aaaaccccag tatgtcattg cagccttcaa tattccataa 230400  
 agctatTTgg ggccaaaggG tactataagc tcagactTgc atacaaaagc aaaggatgtt 230460  
  
 acctttgttt tataatcata ccaaaaaaga aggtatcatt aatattatag ctaaggTcaa 230520  
 aattcatatt tattggTtac tatttagtgt atataaaaat tcaactgcct tatattTgga 230580  
 caactaacca aaattaatct ctagctataa aataaacatt ttctccttat aattcctatt 230640  
 ttttagctag ccattttgat taatgtgtta gctaacatgt gtcaacattt tctaaaatca 230700  
 tgctttcatg tagcatctaa gaattaagaa atattaatat caaaaatgcc aagaggagca 230760  
 aaagaatgca tgatgtaact gaatcattat aataaaatgg ttcagcaatc aatcaccagg 230820  
 tattgatagt ttttggggcg gagggagtTg ttgctggagt gaggagaggt tgccagggga 230880  
  
 gtggagataa tctacacaa tgtcttggTc agcctgggct gctataacag aatattatag 230940  
 actggTggct taaaggagag atattcattt ctcaaagtTc tagaagctgc agagcccaag 231000  
 atcaaggTgc tggcagattt cactactggt gagggTtctc ttcttggtt gcagagggct 231060  
 gcttccact gtgttctcaa agggcagaga aaggaagccc tggTgtctct tctcactcct 231120  
 gTatgagcac tagtcccatc atgggggctc cacccttatg gcctcatcta aacttaatga 231180  
 tctcccaagg gccctgcctc ctaaggcaca ctttggggat taatgtttca acatacgaat 231240  
 tttgggaaga cacaagcatt cggtttgtac cacataaaac acaccattct cgccattcta 231300  
  
 tctgtgcagg caggagcctt ttttacgtga acctaagaaa gtagtgtTtc cggccgggGc 231360  
 aggtTggctca cgcctgtaat ccagcactt tgggaggccg aggcgggtTg atcacctgag 231420  
 gccaggagat cgagaccatc ctggctaaca tggTgaaagc ccgtctctac taaaaataca 231480  
 aaaaattagc caggcctggt ggcgggcgcc tgtagtctca gctactcggg aggctgaggc 231540  
 aggagaatgg cgcaaccaca ggaggcggag cttgcagtga gccgagatcg tgccactgca 231600  
 ctccagcctg ggcaagagtG cgagactctg tctcaaaaaa aagaaagaaa gtagcgtTtc 231660

caacagagaa gacctaaagc tcttcacccc aataccatag ccactagcca caggtggctg 231720

ttgagcactt caaatgggga tagtccaaat tgagataaac tatgtgtaaa atacactctg 231780

tattttcaga acttagtacc aaaaaaatgt aaactagcat attatattag gccattcttg 231840

cattactata aggaaatact tgagactgag taatttataa agaaaagaga ttttaattggc 231900

tcacagtctt gcaggctgta cagaaacatg gcgccagcat ctgctccgct tctgggaagg 231960

agcttttatt catgagagaa ggcgaaacgg gaacaggtat gtcacatagc aaatgctgga 232020

gcaaggggtg ggggggtgcca cataatttta aacaacacac tattgtgaga acagcaccaa 232080

gtcatgaggg atccactctc atgacctaaa cacctcctac taagcccacc gtcaacacgg 232140

gaataacatt tcaacatgag atgtgagcaa actataacac ttactagtaa tttttatatt 232200

gatttcatat taaaattatt acagtttgag ttaagtgtac aactactaa aattaatttc 232260

acctatttac tttttaatgt gggttactaga aattaaaatt acatatgtgg ttcaccttgt 232320

ggcccacatt atatttttat gggacagtgc taccagccta gagcatgaac agaagaggt 232380

agaaaaaaaa agatgaacac ataatagaaa gagaagatgc tctggaaaca gatcaggaaa 232440

gaaatatttt tattaagcac atctaaaata tttattgatt cctcagttag aagaaattat 232500

aaattaagaa gcacctgtg tggttggtct aacttattga gaacctgcgt caggttctca 232560

atctatgagg tgaatttagt cattcttaat gaaaccttta tattgttacc tttatcaatt 232620

tctccttcaa gtgtgttaca gatagatgga tatctctact ccatggagtc tgactattgc 232680

aaaagattct ggtgaagaaa atgtggccac attacaacta catatttcat gtagtattgc 232740

caagggatag agagtacttt aagacagatg gttaaatata ccattttaaa gatttccaaa 232800

catctttgaa gaagagagaa atgggtgttg gcatctttgc ccttctcaa gcattgagaa 232860

ctcccaggag tgcttgtaa ctcccctgg gcttcgggt gtgagatccc ttttttccc 232920

actgattgac tccacctacc atttctccc tgggcaatac cttgttctt gcacctatca 232980

ttctgccttt ttctgtatgt taataggtat ttatttgacc cttagccttt gcaactcaatc 233040

tattcaaatt tattctgata tccaatgata aggaaagatg gaactagttt gtgatttcag 233100

ttttccaaat gaatttccca gatcattacg taagctctga atctgctatg gcaaaaaaaaa 233160

aaaaaaaaa aaaaaaaact ggctttttct ctgttccaat caattgccat gtagaaaata 233220

tgattctttt ttaagaagtg ggtacagaga actcgttaaca tgcaatactc tgaaactttt 233280

gaactaccta ctttccactc tatctgtatc ccaaactatc acgactccta acactagtct 233340

tcaactcagt tctggggaga tagagggtga gaagagacag gcgcacaggc aggcagacag 233400

acagaccaca caacaaaaac ttgtttcttc aggtaatgaa gaaacactaa aatttaattt 233460  
 tgggtaaaaa tgcccataat tagtatttct aaagattctc aaaaacaaac aaacaaaaaa 233520  
 aaaaagaaaa gaaaagaaaa gaaaaaaggc ccaaggatct ggtagataat tactactaag 233580  
 tatttatattt aggtcagatg ctactttcag ggttctaagg gaaccaactc atttgcatc 233640  
 ataacaactc tatgctagat agtattatta tcaaagtcct ctttaaaatg actgaaactg 233700  
 aaaccacaa agtaaaatc cttttctgca gtcaggctgc tagtaataa cagagctgag 233760  
 accaaacca aatattatgt ctgcagagtc catgcactgc cctgcctctc ttaaggatga 233820

attcaagtca aaagattctt acttaccgca catttttctt acaatattaa tgtaccttgt 233880  
 tatttttctt aataatttag acttttattt tagattcagg tggtagatgt gcaggtttgt 233940  
 tacaggggta cattgcgtga tgctgaaatt tagggtaaaa ttgatcctgt caccaggtga 234000  
 gtgagcacag cacccaatg ttagttttac aaccttgcg tccctctctt cctccctgac 234060  
 agtagtcccc agtgtctatt gctaccatct ttagtctat aagtaccaa tatttagctc 234120  
 ccatttatga gtgagaatat gcagcattta gttttctgtt cctacattaa ttcacttagg 234180  
 ataatggcct ccagtacatc cattttgttg caaaggacat gactttgttc ttttttatgg 234240

ctacatagta ttccatggtg cataggtacc acattttcat tatccagtcc accgatgctg 234300  
 ggcacctggg ttgattctgt ctttgcattt gtggatactg ctgcaacgaa cacacacatg 234360  
 cgtatgtctt ttggtagaa aaatttcttt tcttttggat acatatccag taatgggatt 234420  
 gctgggttaa atagtagtgc tgttttcagt tctttgagaa atctctaaac cgttttccac 234480  
 agtggctgaa ctaatttaca tccccaccta cagtgtataa gcattccctt tccctcacag 234540  
 cctcgccaac atctgttgat tttagtctt taataaaagc tgttctgact ggtgtgagat 234600  
 ggtacttcat tatggttttg attttcattt ctctgatgac taatgatgtt gagcttattt 234660

tcatatgttt ctgagccact tgtatgtctt cttttgaaaa gtaactgctt atgtcttttg 234720  
 cccacttttt agtaggggta ttgtttttt gtttgtcaag ttcttataga ttctggatat 234780  
 tagaatattt tctccattc ttaggttgtt ctgtttattc tgttgatctt tcttttgctg 234840  
 tgcagaagct gtctactttt atattatgac cattttgagg gcaagaattg cagctataat 234900  
 ctacacccaa tggacttta tcaactggtt catgcaacaa actcactact gagcacctaa 234960  
 tgtgcatctg gcactcttaa caggcactgg gaatacaaga tgagcaagaa aacctctgat 235020  
 attaatatcc ttaccactga ggtggttcat tagtggaaca ataatgtggc aaatgctgtc 235080

ctagtggttt gaacctagtg caaggagaac atagaggagg aaacagttag taattctgct 235140  
 tagcaatatt agaaaagaat gaaaacttga taatgactaa aaatacattt attttaagtt 235200  
 ttctataata gacatagaat tatctacttc ctatagaaaa attcccttac atgagatata 235260

aattggtatg ggaaccatt accttgaaaa catgatgccg ctgaagcttt cttttgttgt 235320  
 atatgttgct aatacataca aatataaatt acacatttat catgcagata tacaaatata 235380  
 tttttcacat tttatggta taccacatat aaagtccctg ctactatc attattttgc 235440  
 tactgcatta gaacttttaa tgatatgtct tagggtaga caagttctg acaaaagctc 235500

acctctctc tgacattaca tctgattat tttttctctt aattactgag tgttattgct 235560  
 ctccactga tgcatttctt tcccacacc atgtttatac atttctcaag ataaagtgc 235620  
 glattacaag gaagccaaca tctttcaaac cctgagaaca ttactatagt gacgtacatg 235680  
 ggatcgtaat gattttctg gtctctctct ctctctctct ctctctcttt 235740  
 ctctctctct ctccacgtaa tggggagttt taatttattt ggaatggtaa gttaccagaa 235800  
 agacatgaca gaagaataaa aaaatgcctt ttagttccaa agcccagttt agtgcactca 235860  
 aaccaggata ttgtgatag ctaacttgtt ttctataata aatgtacttg aatcaattta 235920

catctttcac aaaaataaaa catcaaaaca agctttataa ttctataaga tgttacttga 235980  
 catataacag acgtgcct ctgaaagaag ggttcaatat tggtttaact cccttgcatg 236040  
 tttttggaag tcaattactt ctaattcaat gacatcctaa cggcaaaagt tcaaaggctt 236100  
 aattatgaga tctactgata aaatataatt attcagtga atacaagtat gccattattc 236160  
 tttttttttt aaaagaattt tattaatcc aaaaatacaa gaagattttt attgtgtgct 236220  
 tacataaaca tggaagttaa aaataaatga caaaatcaaa tgtgggtcac gaggtcaatt 236280  
 ttctcagtta ataaattgta acttaaaaaa ttacaaatta gtggtcttag tatatctaac 236340

tacatgcatt ataagtggaa cttttatttt ccacttgcct ctgttctttt aacaggatta 236400  
 aaaatatatt gaaagcaatg tactacagga aaataactaa attttgagtc aaaacacaat 236460  
 ttgatgggta caaatgctg aagtgtccaa ggagtttctc actggactcc tgtatataga 236520  
 atatattctg ttctacgtta gaacagaaac acaagatgtg atatatttct atttcttta 236580  
 tgtatacaa tgatgtggt tacaagtagg catcagcaat aatggtttga acctcattat 236640  
 tctatctct actaggatta gcttttctg atttgcactt tagattcttc gcttcattg 236700  
 aaaagcaatg taggaaattg tgtaaaaaat tacaattggt agaaagatgt tcttgagata 236760

actaaaagca ctgtatacaa actgccacaa gataaatttc ttacatatct taaagtcaga 236820  
 aaagctttac ttccattag gagtgatgatt gttttattct ttctaatcat gtttctcttt 236880  
 ttactttggc cacttggaag cttaattgtat gactcaaatt cactgcagac aattctataa 236940  
 tctctatgct tattttatgt gttttaatta atatgacct aaagaaatct cttaaagttt 237000  
 ccattttctc atttataaaa tattcacaag atgttgtaaa actcaaagta aattatttat 237060  
 glaacagtgt ttcaaatg gtttacaat attagggtt attatcttc caaagagaga 237120

accactgaaa tatgtatttc agtgggtgctg aagggtccata accctagtat tggatatctg 237180

ctgccatttt ggagtatctt gaaactttga gaaactatcc ctctctctcc cctatgttct 237240

actgtcagag ctccaggggt agacacatga ctagagcctc actgaaaaag catcctacgc 237300

ccccagccat agtaattact tccatatgag cacatgacct gtgctgaaac aaggaagggtc 237360

atacctaaga ctgctggaac aaaaaggaaa ctagtgctct cattttacgg aaattgttca 237420

cagtaagaca atctaagtct agagctgcta agaggacttt ttttttttca cttcactggg 237480

aaaatatgct ttagaataaa accaaacca cacaaggaa agcagaattg agaaagacag 237540

agatggtatt ctgataaaag agtttgagtg tcttgacca accatgtctg aagccatctg 237600

caatcccaa atacagcatc atatcattta tcaccacggg ctctctaatt cagttttaac 237660

ataggcaaat tcacatggaa gcagaaacat acttgattat cctataatgc tattttaaaa 237720

tatgtccaat cagtgcagaa aatataaaag aattcatggg ccaggatatt tttaaaaatc 237780

agctgctaaa ccgtgagca gaaactttgg gattttaaag aggaaatccc ttataattgc 237840

agtatgttat tccaggtttt cttagagggt gataagacag gataaaacat ttaaggattt 237900

cattaaaaga aaccaagtg agaaaaata gggagggaac caggcaagac tagccatttg 237960

attgaggtat aagcctgacc ctcagtgaag gagaaaggga agaaagtttg gatggaaact 238020

tcctagactg ctgtgcagtc taaggaagac tcaaaaggcc attcgggtgc ctcaagtcta 238080

aagttggtcc agatatccca gaaacaggcc agccttagca tctctgtcag tcagccctgg 238140

gctgtaagca gcccacggaa agcatggcct gggctcaaat gcaacattgg atttcagaga 238200

gcagcatctg ggacccttgg taatctgcac tcctatagt tggaaatttt gcaatcacat 238260

tgtcatggct gacacctata gtgagatcct atggcacaca agatacaatt aaggctaagg 238320

aagcagttaa atataatc atagtggttaa tgttgagtca gaagaagaaa ggaactaaat 238380

caattttggt tttctggtaa ttcagaaaca agagatagtg atggcttcat atgtgttctt 238440

ggtgctggat gatatgggaa aagtggttat aagacttaga gcctgtatta gtccattttc 238500

acactactat aaagaaatc ctggccaggt gtggtggctc atgtctaac ctagcacttt 238560

gagaagtcaa ggcgggagga tcacctgagg tcaggagttc aagatcagtc tagccaacgt 238620

ggtgaaatcc catctctact aaaaatacaa aaaattagct gggcgtgggt gcacctgcct 238680

gtaattccag ctactcagga ggctgaggca tgagaattgc ttgaaccgg gagacagagg 238740

ttgcagttag ttaagattgt acaacttacc actgcactcc agcctgggca acagagagag 238800

agtctgtcac acacacacac aaaaaacaac aacaaaacct gagactgggt aatttataaa 238860

ggaaagaggc ttaattggct cacagttcca catggctgaa gaagcctcag gaaacttaca 238920  
atcatgacag aagacaaagg gggagcaagg atcttcttca caggcggcag gagagagaag 238980  
tgcaagcagg ggaatgccca gatgctaata aaaccatcag atctcgtgat actcactcac 239040  
tatcatgaga acagcatggg gaaaactgcc cccatgatcc aattacctcc ctcccttgac 239100  
acatggggat tacaggtccc tcccttgaca cgtaggcatt acaaccggag ataagatttc 239160  
ggtagggaca cagatctaaa ccatacaga gcctttgcct aactttttaa tatgaagcct 239220  
gagtaatcac tttttctccc ccttccgatc tccttgatta tgtttgttta ccctcccaag 239280

gttaaactta ccattatgac atattcaata ccaaaaacca aagtaataat catattgtca 239340  
tgatgtcagg tccaaacttg caattcttag ttgtagacta ttgtgaactc cccagattag 239400  
agcctatatt agctatttat tttatgtctc tcttgaattc ctagtcaagt tttaggattc 239460  
aaagttcaga gcctaaacaa tattcttttt tttttctagt gaaatgtttt tcacacagtg 239520  
gggtgcataat aactatattc atctgaatga catgggagag aatggtacaa cacttaagag 239580  
aggaaaggaa gagaattgat atcagtgcac gctctcaaat ctctcttac aattaaccgt 239640  
tcctgtgaaa attactccct aaggcttaat gcacagatta taggactgtt ttcttgaact 239700

acagacttct attactcttc attcatgatt cattgactct ctctatgcta atgtacttac 239760  
caatgcctac tgcttcatgc cacttttaga tcatccatta agagtgatgc tttcttattt 239820  
ttatgtactg tggaggttta tcaactgtta taacccttat tgtggtcctt ttaaattcaa 239880  
ttttaagtt gagttctggc aattcaatcc taccatttta agcacccttt tgaaaataag 239940  
aaaagcaaaa atatttcaga ggaagattgt ctgtaagcag agaggggcaa atccatagaa 240000  
atcttgtctc acagcattaa aagaaattcc tgagggaaca gcaaccatat gcccagatg 240060  
ttgagagtct tggtttcgaa ttctatctta gtagacagta agagtgtat agcagttaga 240120

ggctcctgct ttgcagacag gcagtctgat tcaaaccctt aggtataat acatataaca 240180  
taatataata attatataat tgctaactca taaccttgaa taaggaaatg aaatagtgat 240240  
attatctact tcacagaatg atttacatag actaaatgag ataactctat tatcccagga 240300  
gtttggcatg agtcccaaca catactgcgc actctatagg tattagcagg tagcagtagc 240360  
tacactcaat tgcttactgt ctgctatcat ggtttccaaa cacagagttc catgtctctg 240420  
attggattag tctcctctag gcctttctta ttgaaatcaa tctagctggt gttcttgatt 240480  
tctgggtctg acataaccaa ttttgagctc aataatcatg ataggtaaga tgatctctca 240540

tattttatat aattttatat agcaacagaa tgtgttgta aaactaaagg aatttactgt 240600  
ataatatgct ataataatga gtgctgtgta acaattggct atacacctca aataagagtt 240660  
aaagacaaag ttgtctgtgt tctgttgaac attaatatct ccagtatatt ctctaaagta 240720

tttagcgtta gtccaaagag gtaccagtat aatttgattt tgaaaactca aagtcccaga 240780  
 attcttatca accttaaagg aaccaaatac aaatttcagt gttgacacac acacataaaa 240840  
 ttgctctcaa atattcaaca tactagaaag tctacacaca aatatttggg caattaaagg 240900  
 taatttttaa cacatatcat atatatacaa ctttttagagc cacagaatat gtgagcatcg 240960  
  
 tatttttcac agactcaatc actctttttt acctactcct agcaacacag tccttagctg 241020  
 gcaaagatct agatgatcac ttctagattt cctcatctgt aataagcaaa gagtagaatc 241080  
 tctgtttata gcigtcttgt gagaattgag tgagttaatg cttttagctc aatgtctaga 241140  
 aggaaagtgt tggaatccat catcttggtc ttccaaacac tacagtaact cacatatittg 241200  
 ttgtgtttta caatttgtag gcgtcttttt aactgactaa atagaagaaa caggtaagaa 241260  
 agaaacctgc aaccacctga gcactgtctg ctatgattac acaaagggtg aatgattaa 241320  
 tataagacta tcacgtaaga ggactgagag gacccatgag tgctagacct ttcagaagaa 241380  
  
 tacaggtaaa ggagagacct atatatggac aataattttg ctggcaacaa aaagcagagt 241440  
 ccctcggtt tcatatggc aagtttgggt ggataagcct tccaatagct tacagcagtg 241500  
 ctaatcaaat atggccctt gactaccttc acctgggact tgtaggaaat gcaaactctc 241560  
 aaggctctat tgcagactca ctgaattaga aacgctggaa ttgagaccag ttattccgt 241620  
 gcaagctaga gtccaagaac cactagctta tgatatagtt agaaaaacag ggaaatgaac 241680  
 aagaagatac aaccctttat gttaaatact ctgtacaata gggctagtcc cacaaagcta 241740  
 ctcaaatata gtggagactc attttaacct aactcagtgt aggaggtgag ttagatgaat 241800  
  
 caccaggtat tagtgggaat cagtcatatg ggagattaaa aaaggactga attcaattcc 241860  
 agttctctgc actgaacaca gaacacagct ctgccataaa cagttatagc taactattat 241920  
 gccgaaatcc tattaacctc tataggaaag gcaccagggt caagaggcca gagagccagg 241980  
 gccagcaaaa gagacatggg gcttaattag gggcttacat acagcagaaa gagtccagtg 242040  
 gtgacaggct ggacaggaga accgccttaa ttacagaaat ggtccagtgg cagcaggctg 242100  
 gacaagacaa ctgcacagcc cagtgggtggc aggtgggca ggaaaactgc aaccacttac 242160  
 gacagcatgt agttaacaac acattttcat ttaacaacct ctcctaatg accttcacat 242220  
  
 ggcaatcttc atttactcca gaactcaggg cctcaatctc ctgcacaacc catgttccac 242280  
 gggatgggat gggggctcac atgttctca tagacaagga atgaatctct ggtatggcca 242340  
 ctctggatt ctctagctca gaacacacat tcaggtgcat ctgccataca aggtcattct 242400  
 aaggtaagct taagtattg ctaaaagggt catttacct atactaatat ttcttttagaa 242460  
 ctcttatttt gccaggttt gtattaagtc tttagcatgt gttattatgt ttaacattta 242520  
 gaacatcctt attttaaaaa aagtactatt attctcccaa cttgttgaa aagaagctaa 242580

gggttcaggaa gtaaatgttc ctgagaagat gggcagagga aatacaatca agagaacata 242640  
  
 tggagggttc agtctcgaat ggaaagagag gcatttctcc atacttacag gagaaaaaaa 242700  
 gatgagtga gagtggggag gttcacagat tttgtctacc aatgtcattc actgaatgaa 242760  
 aggcacggct agaatttgaa tccagtcggt ctgttaggag agtttatgat gtcaactact 242820  
 tcaactgtatt gtcaaattac acttagcata ttgaaatata tgttcattctg tctgtcttcc 242880  
 ctattaaatg ctagagctcc ttaatctcta gatcccagtc tgagcacata gtaggcactc 242940  
 aatgtttata aaatttga atgtaaaaag ataaaaataa attgtaaaaa gaataaagtg 243000  
 atactaaagt ataaatgtaa taaaatataa aataattgaa agaaaacgtt ttttgaataa 243060  
  
 atggtgacag gaatctcatt tgtatggcct tttttaatgt ggtgaagaat atcaattagt 243120  
 tgtatatgtt tcaactgta tttttaaaaa tctggccata atttcaggcc gggtagcaa 243180  
 aatttatatt cttttttat tactattata ctttaagtgc taggtacat gtgcacaatg 243240  
 ttcaggtttg ttacataggt atatatgtgc catgttgggt tgcgcaccc atcaactcgt 243300  
 catttacatt aggtatttct ccaatgctat cctcccaca gccccacc ccccgacaag 243360  
 ccccgctgtg atgtccccc cctgtgtcc atgtgttctc attgttaac tccatctat 243420  
 gagtgagaac atgcagtgtt tgcctttctg tccttgtgat agtttgctta gaatggtggt 243480  
  
 ttccagcttc atccatgtcc ctgcaaagga catgaactca tcatttttta tggctgcata 243540  
 gtattccacg gggatatgt gccacatttt cttaatccag tctatcactg atggacattt 243600  
 gggttggttc caagtcttg ctatttgtaa tagtgccaca ataaacatac atgtgcacat 243660  
 gtctttatag tagcatgatt aaaaatcctt tgggtatata ccagtcacg agatcactgg 243720  
 gtcaaatggt atttctagtt ctagatcctt gaggaattgc cacactatct tccacaatgg 243780  
 ttgaactaat ttacacttcc accaacagtg taaaagtgtt cttatttctc cacatcctct 243840  
 ccagcacctg ttgtttcttg actttttagt gattgccatt ctaattggca tgagatggta 243900  
  
 tctcatcgtg gttttgattt gcatgtctct gatgaccagt gataatgagc atttttcat 243960  
 gtgtctgttg gctgcataaa tgtcttcttt tgagaagtgt ctgctcatat cgtttcccca 244020  
 ctttttgatg gggttgtttg ttttttctt gtaaatttgt ttaagttctt ttagattct 244080  
 ggatattagt ctttgtcag atgggtagat tgcaaaaatt ttctccatt ctgtaggttg 244140  
 cctgttcacc ctgatgtag tttcttttgc tgtgcagaag ctctttagtt taattagatc 244200  
 ccatttgtca attttggctt ttgtttccac tgcttttgggt gttctagtca tgacgtcttt 244260  
 gcccatgcct atgtcctgag tggattgcc taggttttct tctagggttt ttatggtttt 244320

agttcttaca ttttaagtctt taatccatct tgagttaatt tttgtataag gtgtaaggaa 244380  
 gggatccagt ttcagcttct tacatgtggc tagccagttt tctcaacacc atttattaaa 244440  
 tagggaatcc tttcccatg gcttgttttt gtcagatttg tcaaagatca gatggttgta 244500  
 gacgtgtggt gtiatttctg aggccctgtt tgttccatta gtctatata ctgttttgg 244560  
 acaagtacca tgcgttttg gttactgtaa cctgaatta tagtttgaag tcaggtagta 244620  
 tgatgcctcc agctttgtt tttctgctta ggattgtctt ggctatgcag gctctttttt 244680  
 tggttccata tgaactttaa agtagttttt tctaattctg tgaagaaagt catttggtagc 244740

ttgatggga tagcattgaa tctatgaatt accttgagca gtatggccat tttcatgata 244800  
 ttgattcttc ctatccatga gcatggaatg ttttccact tgtttgtgtc ctcttttatt 244860  
 tcattgaaca atggtttgta gttctccttg aagaggctct tcgcatccct tgtaatttgg 244920  
 attcctaggt attttattct cttttagta attgtgaatg ggagttcact catgatttgg 244980  
 ctctctgttt gcctattatt ggtgtatagg aatgcttgtg atttttgcac attgattttg 245040  
 tatgctgaga ctttctgaa gttgcttctc agcttaagga gattttgggc tcagacaatg 245100  
 gggttttctc aatatacaat tatgtcatct gaaaacagag acaatttgac tttctctttt 245160

cctaattgaa tacctttaat ttttttctct tgcttgattg ccctagccag aacttccaac 245220  
 actatgttga atagcagtgg tgagggaagg catccttgtc ttgtgccagt tttcaaagg 245280  
 aatacttcca gtttttgccg attcagtatg gtattggctg tgggtttgtc ataaatagct 245340  
 cttattattt tgagataatt tcatcaatac ctagtattt gagagtttt agcatgaaag 245400  
 gctgttgaat tttctcaaag gccttttctg catctattga gataatcatg tggtttttgt 245460  
 cattggttct gtttatgtga tggatgatgt ttagtgattt gcatttgttg aaccagcctt 245520  
 gcatcccagg gatgaagctg acttgatcgt tgtggataag ctttttgatg tgctgctgga 245580

ttcagtttgc cagtatttta ttgaggattt ttgcatcaat gttcatcagg gatattggcc 245640  
 taaaattctc ttttcttgt tgtgtctctg ccagactttt gtatcaggat gatgctggcc 245700  
 tcataaaatg aattagggag gattccctct ttttctattg attggaatag tttcagaaag 245760  
 aatggtacca gctccttttt gtacctctgg tagaattcgg ctgtgaatcc atctgtcct 245820  
 ggactctttt tgtttggtag gctattaatt attgcatcag tttcagtacc tgttattagt 245880  
 ctattcagag attcaccttc ttcttggttt agtcttggga gtgtgtatgt gtccaggaat 245940  
 ttatccattt ctctagatt ttctagttaa tttgtgtaga ggtgtttata gtattctgtg 246000

atggtagttt gtatttctgt gggatcggtg gtgatatccc ctttatcatt ttttattgtg 246060  
 tctattttga ttcttatctc ttttcttctt tattagtctt gctagtggtc cattttgtag 246120  
 atcttttcaa aatccagctc ctggattcat tgatttttct gaagggtttt tttgtatctc 246180

catatccttc agctctgctc tgatcttagt tatttcttgc cttctgctag cttttcaatg 246240  
cgtttgcctc tgcttctcta gttcttttaa ttgtgatgtt aggggtgcaa ttttagatct 246300  
ttcctgcttt cttttgtggg catttagtgc tataaatctc tctctacaca ctgctttaaa 246360  
tgtgtcccag agattctggg acattgagtc ttgtttctta ttggtttcaa agaacatctt 246420

tatttctgcc ttaatcttgt tgtttacca gtagtgaatc aggagcaggt tgttcagttt 246480  
ccatgtagtt gtgtggtttt gaggtagttt cttaatcccg aattctaatt tgattgcact 246540  
gtgtgtgtag agacttcttt gttgtgattt ctgttctttt gcatttgctg aggagtgcct 246600  
tacttccaac tatgtgtgca attacagaat aagtgcaatg tgggtgctgag aagaatgtat 246660  
actctgttga ttgggggtgg agagtgtgt agatgtctat taagtcagct tggccagag 246720  
ctgagttcaa gtccctggata gccttgtaa cattctgtct cattgatctg tctaatttg 246780  
acagtggagt gttaaagtct cccattatta ttgtgtggga gtctaagtct cttttaggt 246840

ctctaaggac ttgctttatg aatctgggct cctgtattgg tgcatatata tttaggatag 246900  
ttagctcttc ttgttgaatt tattccttta ccattatgta atggccttct ttgtctcttt 246960  
tgatctttgt tggtttaaaag tctgttttat cagagactag gattgcaacc cccactttta 247020  
tttgccttcc atttgcctgg tagattttcc tccatccctt tatttggagt ctatgtcgt 247080  
cttcgcctgt gagatggctc tcttaaacac agcacactga tgggtcttga ctctttatcc 247140  
agtttgccag tctgtgtctt ttaattggag tatttagccc atttacctt aaggtttaata 247200  
ttgttatatt tgaatttgat cctgtcatta tgatgttagc tggttatttt gtccattaat 247260

tgatgcagtt tcttcatagc attgatggtc ttgcaattt ggcatgtttt tgcagtggct 247320  
agtaccggtt gtccctttcc atgtttagta ctttcttcag gatttcttgt aaggcaggcc 247380  
tgggtgtgac aaaatctctc agcatttgct tatctgtaa ggattttatt tctccttcac 247440  
ttatgaagct tagtttggct ggatatgaga ttctgggttg aaaattcttt ctttaagaa 247500  
tgttgaatat tggccccac tctcttctgg ctgttagggg ttctgctgag agatctgctg 247560  
ttagtctgat ggacttccct ttgtgggtaa cctactttt ctctctggct gccctttaca 247620  
tttttccct catttcaacg ttgggtgaatc tgatgattat gtgtcttggg gtgtctcttc 247680

tcaaggaaca tcttttgggt gttctccgta ttctctgaat ttgaatgttg gcctgccttg 247740  
ctaggttagt gaagtctcc tggataatat cctgaagagt gttttctaac ttggttccat 247800  
tctccctgtc actttctggg acaccaatca aacgtagatt tagtcttttc acatagtccc 247860  
atatttcttg gaggtttctc tcgtttcttt tcattctttt ttctctaate ttgtcttctc 247920  
actttatttc atttatttga tcttaaatca ctgatacct ttcttccact tgatcaaatt 247980  
ggctattgaa gcttgtgcat gtgtcacaaa gttctcgtgc tgtggttttc aactccatcg 248040

ggatcatttaa ggctctctct acactgttta ttctagttag tcattcatct aacctttctt 248100  
  
 caaggttttt agcttccttg cgtatgggtta gaacatgctc ctttagcttg gagaagtttg 248160  
 ttattaccga cttctgaag tctacttctg taaactcatc aaagtattc tccgtcaagt 248220  
 ttcgttccct tgcctggcaag gagctgcaat cctttggagg agaagaggcg ctccggtttt 248280  
 tggcattttc agcttttctg ctctagtttt tccctgtgtt tgtggtttta tctacttttg 248340  
 gtctttgatg ttggtgacct acagatgggg ttttgggtga gatgtcctt ttgttgatgt 248400  
 tgatgtctatt ctttctgtt tgtgagtttt ctttctaaca gtcaggcccc tcagctgcag 248460  
 gtctgttga gtttctgga ggtccactcc agacgtgtt tgcctgagta tcaccagcag 248520  
  
 agactgcaga acagcaata ttgctgcctg atccttctc tggaatctc atcccagagg 248580  
 ggcacccacc tgtatgacgt gtctgtcggc ccctactggg aggtttctcc tagtcaggct 248640  
 acacaggggc cagggacccg cttaggagg cagtctgtcc aatcttggtg ctgaacgcc 248700  
 atgctgggag aaccattgct ctcttcagag ctgtcagaca gggacattta agtctgcaga 248760  
 aatttctgct gccttttgtt ctgctatgcc ctgccccag aggtggaatc tagagagaca 248820  
 gtatgccttg ctgagctgtg gtgggctctg ccagttcaa gcttccggc tgctttgtt 248880  
 acactgtgag ctattcaagc ctacgcaatg gcagacacc ctccccctgt caagctgcag 248940  
  
 cattgcaggt tgacctcaga ctgctgcgt agcagtgagc aagcctccat gtgcatggga 249000  
 cccgccgagc caggcatggg actgtatctc ctggctcgcc agtcactaag actgtgggaa 249060  
 aagcacagta ttgttcagg agtgtacat tctccaggc acagtctgtc atggcttccc 249120  
 ttggctagaa aagggaatc cccaacccc ttgtgttcc taggtgagc aatgcctgc 249180  
 cctgtctcag ctgcccctc atgggtggca cccactgtc aaccagtccc agtgagatga 249240  
 accaggtacc ccagttggaa atgcagaaat cactcatctt ctgtgtcaat ctactggga 249300  
 gctgaagacc ggagctgtc ctattcgcc acctataag cgaccccgca taatttattt 249360  
  
 tcaaataatc cttttgtt ttgttttgg ttaggtcccc taaaaacagt atttatgaat 249420  
 acaattgaat attttgtaa tcatcctaac aaccattcta cccctatcc atgatactc 249480  
 aacaaccatt ctacccctca tcatgatat cctaataaac attctaccc tcatcatga 249540  
 tataacatcc atgtgttct agaacagctg gctttaccc cagctccagg aatggagtag 249600  
 ataacctcag ctaagccaat cattgcattt cgcctttga gcactattca tggctcattg 249660  
 gggcacgtgt gatctagtct agtcaaacag aaaatctcag gccttacgt agaaattcct 249720  
 ggcacaccaa tctctactt tcaaaagtgt gtgatagcta gaattgttac cactttatta 249780

ccataaagag agtcagcagt agaagaagta gacacacaga gtagtgtaca gccaaaataa 249840  
 ttgcaggatg attcatata ttgatcaaat tatgcctgaa gtctacattg ctgctgaact 249900  
 tctcagtttt gtaaataaat ttctgttcc tattatttgg ccagctctgtg ctagtttctt 249960  
 cctgtgatgc aagctaatac ttcttaactg atctagtga acttaaatag accccagata 250020  
 tcttttgctt ttaagttttg gttcaggctc cctaaaaagg atatttatga atacaattgg 250080  
 gtattttggc aatcatccta acaaccattc tacccttcat ccatgatata atatccatgt 250140  
 ggttctagaa cagctggggg taaaccagct gtttactagg ctaagccagt cattgcattc 250200

caccctctga gcactattaa gggcttctg gtgataacaa catagggata cactgtctct 250260  
 acaacaata aaaaaattag ccagggtgtt ggcatattc ctgtaccccc agctactcag 250320  
 gggagaccga ggigaaagga ttgcttgacc ctggaggctg aggctgcagt gagctatgat 250380  
 cgtaccactg cactccagac caggcaacag accaagattc tgtcaaaaaa aaaaaaaaaa 250440  
 aaaacttcca ttacggcatt ttatctgtca aatgccttgt atactcatca tgtgggtgtt 250500  
 gaaaagatcc tgtgtctgt gatcatgcca attcaggact agaaactttg ctagcaacag 250560  
 cccattcccg atccatattg tcagtgtac cagaaaaacta aagaggcata gaaacgtcag 250620

cttaactttc aatgtttttt gcctcgtgac ttcagaatta taattctttt aagggcaaat 250680  
 agagtctcc tatgaaaaac tgtaaggcag cattattaca caatagagct ttgataact 250740  
 taggaaaaac gggatttgt aatctctgat gctttgttct cttcaataaa gaactactac 250800  
 aatcaatagg aaataggtag caagcaggca ttttacttgg gttaaagtac tctgtctaca 250860  
 atctggtaag aaaagctaca gatttgatac cattacagag tcagttcttt ttcccactac 250920  
 aaaatatagt tgatatctgg aattagctag cccaaatggc tcaaatcat ttaatggtga 250980  
 ccatatattt tctctcatat tctcacaaaa acattcagga gaccaagaag agtgctaaaa 251040

attcaaaata atcttgaaaa ctaactgga ggataaccta atgtcagaat cttataggaa 251100  
 cttacaatag ttatagagta gaatggaact ccagagcgaa ctatgtacct aaattgcatc 251160  
 ttatagcagt atagtatggt ggtccagaat atgccttcca gattagacaa agttggattt 251220  
 aagttttatc atcatctagc tggatgatct tggtaaaata aaatctgttt ctcttctgta 251280  
 aaatgtgaat aataagagta ccactgttat aaattgaatt gtgtcttccc aaaatgcata 251340  
 cgttgaagcc ctaaagtccc agtatgactg ctttaggaga tggggcctct acagaggtaa 251400  
 ttaatgttaa ataaggtcat aagggcagga ccttaattta ataggactga tgtccttata 251460

ataagaggag ataccaagta ttcacatgca caaggaaaac accatgtgag gacacagcaa 251520  
 gaaggcaggc atctgcaagc caaggagaga cgactacca gataccaacc cttggatttc 251580  
 cagcctccag aactgtgaga aatacattc tgttgtataa gctccccgac tctggtattt 251640

tgctatggca gcctgagcag actgacacaa gaaccctcat gaggtgttgt caaaactgaa 251700  
 tgcattaatg cgtctagggc ctgggatgag gtaaactctc aatgattgtg ttcctgttat 251760  
 tgttattagt tcataaacac agatcttgtg gaaaaggatg gaaggatact tcctatatct 251820  
 ctcatctgtc ccagaattcc ttttagggga ttagccaggg aggattaatc tcctgctact 251880  
  
 gatgacaagg actgagtggg ggcatatfff aagaggagca agacctggta catgaagcta 251940  
 cctcagtgtg caccctctc atttgaattg catccttggc tttctacat atgccacaga 252000  
 tgtaggagcc cagaagcagc aaaatcttgc tccagaggga gttccaaaat aaattcacca 252060  
 ccagacacat tttctttaag aaataaattc cctactgcta gaaatatcca gccctggaac 252120  
 caaaaggaag atacatggaa cactgggacc atgtgtggaa tcattgcttt cccccacca 252180  
 tctcaagagc ctctctcta agaacctgct gctggaattg tcacataggt gggttatatg 252240  
 tgggatgaac tgtgctacct acactgcca cccactcccc tctcttcaa tactctaaga 252300  
  
 gaacacctgc attatctgct tttgttaaca tgtacacata taaataagta cataaataca 252360  
 tcaaaattta aacaatggtt acctgggtact catagaatta gtaaagcttc tttttcaat 252420  
 tttctttctc ttttatacat ttatatitgt taattttgta caatgaaagt gtgctatttg 252480  
 cataatfff taagttatff taaaagtggg atttaaaagt tctagagatt tctattaaaa 252540  
 attcatattc ccttaaaaa taaagcccaa tatcaattat ttgaatacct aagtatggct 252600  
 cagttttttt attgatatgg tttatttaca tttaatgtt ttttaagttg ctttgattct 252660  
 ccttggcagt ttgtgtgtgt gcatgtaatt tttaaaacct atatttttc attgccaca 252720  
  
 atatagacca ttttccaaat gtattactff cttaatfftc ctgcctataa ttcaaaataa 252780  
 ttatttaaca tgttaaaagc tatagtccaa ggtctagtta attcagcaga attcatttaa 252840  
 ctacagaaac tgcattctaa tggagtggca caagactggg ttgaggagtt atgtttaata 252900  
 tccacataca gatgatttct gagattactt aaacaaatct agagatctc tgagaactta 252960  
 ctcatattta aacaaatcta gagatctctt gagaacctac tcacacttta caagatccca 253020  
 ctggatttct atcatgtcta aggcagttcc tgcgccccca cctagagggt ctactgacc 253080  
 tttcccaaat tctcttctc tctttgaag actctctctt ttaatagcta tattgtagec 253140  
  
 attcaaaaag tagacaggag aattttagaa aaaatacatg aaatagcttt tccaaaattt 253200  
 ggctgaaat gtagaaattt ttctgttaca aagctatccc tttgtttcag acggccttct 253260  
 tagcacctga actaaccctt ttctctgaag agactacagc ctatgtcagt aaaccatcag 253320  
 gccccaaaa acacagcagc acctgcgtct gctacaaata aacaaccac taactcctc 253380  
 tagtacagta atctacacc agtacacact cggtaaatgt cactggagat tactagtacg 253440  
 aacattaaag gcacacagta gtcaataaac acttgttgaa taacttgatt taacagcata 253500

ttgagagcat gtacctaaga aaaaacaaat gaggtttttt tttaacctgg agagttattt 253560

cctctatgtg tgtgtttgct atttctaaat caccatcaaa aatgttgtgt cctctttaaa 253620

cccatgtttt ctaaacttgt gtactttttt tccagtgcc aagaagtgtt ccatttttat 253680

gcatcaacta gagagattaa aattaaaagt tcattaaaga tttatggcaa aatcatttgt 253740

acgaaatgca ccaaagcaat aacttcagat tcatcaagaa gatctaataa attataagct 253800

aaaattagca actgcaaaact actcaaacca tgttactata aaatgttcct cctccttttg 253860

tttttaacag tcttcctaa aggcttgatc aattcagctt acttaatcac aaaactgtaa 253920

cgacagaata ttgcaagac ctattcaaga agtcttcaca aatatgaaaa tctctctcct 253980

tcattacgtg aaaaagacac ttgcacatgc atgtttatag cagcacagtt cacaattgca 254040

aaaatatgga accagcctaa atgcccata gccaacaagt ggataaagaa aatgtagtat 254100

acattcacca tggaatacta ctacgccata aaaaggaata aaataatggc atgtgcagca 254160

acctggatgg agttggagac cactattcta agtgaagtaa ctacaggaatg gaaacccaaa 254220

tatcatatgg gagctaagct atgaggatgc aaagggataa gaacggtata atgaaccttg 254280

gggacttaaa agggaggat gggagggat gagggataaa agactacaca ttggctacag 254340

tgtacactgc tcgggtgcaa caaatctca gaaatcacca ctaaagaact tattcatgta 254400

accaaaaacc atctgtcctc caaaaactat tgaataaaa taaatgtttt ttaaaaactc 254460

tctttactgg ctttaaagaa cagctgtggc tataaaaatg tgtcattttc taaatgaaaa 254520

aatatttctt tatcatact ctacgtgttt ttatcaattg tattggtttt gctttccttc 254580

ttcttttgag ggtagtaaaa taattaaagc attcattttg taaattaaat gccatatata 254640

aaatattacc ttgcatacat atctaacaat ttatctctat ggcatgatgt gtatatatat 254700

ttatgtacac aaaaattaca tacataacaa cttatgcagc attatcttac ctaattacac 254760

tgtaggactc aaatcaaatg gactatactg agggacttgt actttaaatc agctcatttc 254820

aataaaattt aatgtactca taagtagtaa aattaagttg cttcatcact tggatattag 254880

tttttgatg tacttgactt gaatttcaaa ttcaccaata tcgatgaatg atttttttaa 254940

tgaaaatgaa ataatgtttt ataagagaat gttcactgac attagagaaa aatccataaa 255000

gtttcaaatc acctctcagt gtgccatttt ctggtctatt ttctcttata ttccctccta 255060

ggaatctttc ttattcagt gcaccagcta atatcatga cagtaaatga gagtataatt 255120

ctccaagtgg catttgaatt ttgaagaaa atattgaaaa taaaagaagt aagaacgcaa 255180

ggaagaactt gcaactatat cttagtcac attgtagctc ctgtatctcc taacattttg 255240

ttctcaaaat agatacattc actcatttgt tcaatcgcta aaatcctgaa tgtcagttaa 255300  
 tatgtgcaa gtgtacacc atccactgag ataaatgaaa aataagacca ttatttctcc 255360  
 taaagacctg agaggctacc aaaggataca ggtcataaaa ggcaattcta ataaatatgt 255420  
 gataaatgtt tgicaaggag ctgcatatca cttgagaggt agtaagttag gtagatttga 255480  
 ggaacaagtt gactgtttgt gtcacctgca ttactcacat gtaagccac ttctcaaacc 255540  
 ctagtctatt ttctaagta ttggaataca atgcttacca cattatatct tactcagaaa 255600  
 tgaaccaagt gcagatctaa atatttattt tgtattattg aggaacaagt tcctgttgtt 255660

agaactttta tattagccat aggtacttct attgagggcc ctgtcagtat ctcacaagtc 255720  
 caaggaataa cggtaaccca atggactaat gaaaaactaa attcagataa ttgcctttaa 255780  
 aaactcaatt tttggctggg catggaggct cacacctgta atcccagcat tttgggaggc 255840  
 tgaggcgagt gtatcacttg agctcaagag tttagacaa gcctgtgcag tgtggcaaga 255900  
 caccaactct acaaaaaata caaaatatta cccaggcatg gtagcataca tctgtagtcc 255960  
 cagctactca gggggctgag gtgggaggat ctcttgagcc tggaaggtca aggtgcagt 256020  
 gagtgcagat cagccactg cattccagtc tgggtgacaa agtgagacc tgtcaaaaaa 256080

agttaagggc taggtacagt ggctcacgcc tgtaatcca gcactttggg aggccgaggc 256140  
 tgggtgatca tttgaggta ggagtatgag accagcctgg ccaacaagg gaaacccat 256200  
 ctctactaaa aatacaaaaa ttagctgggc atggtggcag gtacctataa tcccaactgc 256260  
 ttgggaggct gaggcaggag aatcgcttga acccgaggag cagaggttgc agtgagccga 256320  
 gagcatgcca ctgcactcca gcctgggtga catagtgaaga ctccacctca gaaagaaaaa 256380  
 aaaaaaattt acatatacaa agtctacttt tgaatgacat aatcgttgt gtgtgcatgt 256440  
 gtttacttaa aatgaacaat aggagtctca atcttgggg tcatttccc aagttctatc 256500

gttctttttg cttgtttgtt tgtttcttgg tacactgact gacaacaata cctaccactt 256560  
 gattatattg ctttggatta gtgggcactg tgcagctatt cacatttaat ttcttatgcc 256620  
 taataacaat aaattataaa ttctctaaaa aataagtaaa taagtaaaag ccacttggaa 256680  
 gcaaagacag ccatatatcc ctgtttgttg agacggttga tttacacat atttagcaga 256740  
 gtttctagca gcgccccctt gcacactcac aagtgtctta gtgaggatga taaactgtag 256800  
 agtcatectc ttcatagagg aggttagcatc tgagcttcta tctaaaaaag aaagtaggaa 256860  
 tttgccagct cgagaatggg tggctcaggg aagaaggagg ctgctccagg cacaggaat 256920

acaaagcaca aaggcaagga aatagagtgc ggtgcagtaa ggaagaacct gggcgctgga 256980  
 gcagaatggc tgtgggcaga tctcagccta ccactaacta gctgcaaata tgttctataa 257040  
 cacagccaga gtgagttttt aaaagcataa gtaggatcgt gccgtcctc tgatgaaac 257100

ccatgggtgg cticccattg ctcttaaaat aaagcctgaa ttccttacca tgatttacaa 257160  
ggccctaaga aatctggttt ttgttcccat cagggtccac cactgtcacc accaccacca 257220  
ccccatgctc actgtactcc agcctcactc ctttgccgcc agtctcaagg cctttcacgt 257280  
gatttcccaa ataccaattc ctacagaggg tacatttctg cctaaagtgg cccttctcac 257340

tagttagccc cactgtatta tctatggcat tacctgtcta tttccctcat aacttcctcc 257400  
catcagttaa ctatTTTTTT tacattattt gagtgtttat tggtcacttg tctctgacat 257460  
tagaatgtca gcacttaagg gcaaggcctc acctgtcaag ttacagcta tgttgccctc 257520  
atcgacaagt aatctacaat atacaggcgt tttactgaa tggatggatg aatgaatgaa 257580  
tgaagtgtta gggaccagac ttaatgtatt ataccttaag agtacttgca tttttaagga 257640  
agataaaaag agaaggcaat gcctaacatg tgggaatgac tcattaatgt taaattagca 257700  
ggcacagggtg acaaagaggg atgtgctttg ggggtggcagt atctttcttg caccttcatt 257760

ccattatgcc aacaaaacaa gaagaaatga caacatactg tatccgcttc ctgctgtgcc 257820  
tatgagaata atataggaaa tcagaatggc ttctttattg ttgtgaata acccacaatt 257880  
ttaatcctta catagattaa catcattggc acgcctggta agccaacaag gacataatta 257940  
tctttagtgt actagaaggt aggatattta acacactctc caaagtaagt ttcaaacag 258000  
accggcaggc atagaaacaa aaagtgaaa agtattaagg gtatatgaca cacaggaggg 258060  
tatgtggaac tcaactggga gtgctatcga aatgagaaca gcctgttaag ataacgaaaa 258120  
gtggaaaatc gtagcaaca ggaattatat taggaagcaa aacacattaa ggagagcaca 258180

agattttttt taatgaattt taattctttc tccagtcttt gttgttattt gctaattggac 258240  
tttatgatgg ttgaaaggta aagtttattt tctcattagc tttattattt tccactggca 258300  
gacattaatt ctctccttc ctgaaccctc acttcatgca actaaatga gcatggtagt 258360  
tatattccct ttatgatatt tacatataca ttagcatcac aatgcagtca aaatacctta 258420  
gggtacaaca tatattacct ggagaagcaa ttatggagac aaaaggcatt ctgagatagc 258480  
agcattctaa gaattttcct cattattatc atataaacat ttctatgaaa aaaattcagg 258540  
tgaaactagg tagaagaaaa taatttaaatt agccaaattc caatggcctt cccattctta 258600

aaatgctggc acatcaatac aaacatcagt aaattatgac tctctgttat atgcataata 258660  
ccatgtttag gctctgagga cacaagaat ttagtaataa caaataagga ataaataaga 258720  
cattaaacca gctaattgat gtaaagtact cagcatttaa taaaactaaa caaatggtgg 258780  
cagtggctgt tacaaattct gtggttgtcc ttaatggcta tggcagttag ctggtaagtt 258840  
acagaagaaa gtgtagacag gttttaattgt ggcctaggaa atctggaggc cttatacttg 258900  
caaagaaaac tgaggggggtt attttttgtg aaggggcatt aatataggaa tagcatgaga 258960

atggtgtgag acttcaccta ttgtgtgtta tgagtactaa gtagcctggt ttccttgaa 259020

tgagggtgc atataagtaa ttagtgggat atataacat atatatatat atatatatat 259080

atatgttttag gaggtttcca ttgccaggca aatgattttt atctcatgga taaaagagag 259140

tcaatgtaat ttigaacagg gaataggcat agataaagaa agtgttttaa ggaaagtaac 259200

ctaaaagtta ctacaagata tagagtaaag gtaaagattt gagatccaaa aaccaattag 259260

gagattatta taatattcat atgtagaaga agtgcctgta agagatcatt ccatttataa 259320

ggctgaagat gcattataaa aatatctaag gtgttttagt ccatgggcta ttaaataata 259380

tgtatggtga tgttctgaca gctcatggaa ttccaccaac ttgcttccc acactccagt 259440

tcagaccgac ttcttcaagt cttttttttt caaatctttt tttattttt attgttttta 259500

tttattttga gacagagtct cgctctgttg ccagtggtcg caatctcgaa cactgcaacc 259560

tccacctccc aggttcaage gattctctg tctcagcttc ccaagtagct gggattacag 259620

gcacctgcca ccacgtcag ataatttttg tatttttagt agagacaggg tttaccacg 259680

ttggccaggc tggctttgaa ctctgacct caagtgatct gctccctcg cctcccaaag 259740

tgttgggaga ttacggacat gagccaccgt acctggccaa cttcttcaag tcttatgtcc 259800

ctgtttccac caatttgact caacttaggt tctcacactc tgcctagtct gtttgtgaag 259860

gagtcatagt taggttggt gcctgctctc aatttgggt tcacctggg aatctccctc 259920

ttgaatcatg catggtctcc ttcaaacgc caccctccc tcatgtctag gaaatcatga 259980

ggggtagcat gatcatgagg gtagcataat catgaggga atcatgagg tagcataggt 260040

ccagggtttt ggactctgc taatctgaaa agatgaatca gaaaagaaga attgtgacta 260100

atttgatatg aagacaaca agagagaaaa gctaaagctg actccagtaa ttcaagcata 260160

attgaccata agaaatatgt ccagctggca gatagagata gggaaataaa tctcagagga 260220

aatgtcatg gccagggtgg atttaggag catctcagt aactgcctaa ggaaagacca 260280

ttgtgaagaa acagcagaat gtcaaggacc aaattccgtg ttcaaggtca agaggaagaa 260340

gtataaccag caaggagata gaggagtac agaggcagaa aggttttag agtcttgaaa 260400

gtcaagcaaa gaaagaatca acatgtggag ggactgacaa cagagaaggc attggaagaa 260460

taaggactta caaacctgt ttttctcta acggagtta atttcacaaa acagtcttg 260520

ttggtttaac agtatatatt acagtgggtg tcttaaagca aaaagaatag tagtaccac 260580

attatttcta atcataaaat gtatctctac tagaagctac atgtatttgt ttagccattt 260640

tacaaagttt gaaaacatat aaaagatatg acatgtatat attatataaa atgactccag 260700

gtaattttct atttttctgt attaaaaaaa aacttttaggc tttaatatit tcactagact 260760  
 actacaaaca cacctgtttt gttttgtttg tttggagatt tcagtitttc taagaccttc 260820  
 tttaaacat ccaattgtat gacttaagca gtttgcttag cctatggatt ctcttctcca 260880  
 tttgaactcg tttattccac agcaatgtca caaatgtcac agagagctat attttaaata 260940  
 tatgtcacia ataaattaag atccttaatt tatttaagga tcgggcgcag tgattcacgc 261000  
 ctgtaatccc aacactttgg gaggccaagg caggcggatc acatgaggcc aggagtcca 261060  
 gagcagcctg ggcaaaaagg tgacctgtc tctactaaaa atacaaaat tagctgggca 261120  
  
 tgggtggcaca tgcctgtaat cccagctact caggagctg aggcaggaga atcattcaaa 261180  
 cctgggaggc agaggtcgca gtgagccgag attgagccac tgtactccag cctgggcgac 261240  
 agagagagac tctgtctcaa aaagaaaaga tccttttctg tgattcagtc tacactaagc 261300  
 tatgctaagg attctctcat tcaaatgttt gtttcaaaaa gtctctgtat ttatttcctt 261360  
 tttagtatit tggcctctcg ctgtttcatc tgaagaaact aattaattat ggatatttat 261420  
 tttgcttaca ttatttact ttacagtatg ctatattact gtgaagtatg caaatgtaat 261480  
 gtttactgaa tacaacgcta aaattttcct tttctttaa tgttattttt attataatct 261540  
  
 ttaagatgct taagtctgag ataattggc tgccactatg gattggatgc ttaaatcctt 261600  
 ttcagaataa aaatgcaagc agattgtgaa ctttacccta acatgcaaat tcccaactaa 261660  
 gatgctgttt tctacttgaa gtaaatgaaa cattttatta ctgggtgatc agaaaatctg 261720  
 gccttttcaa gttttcagcc aggggctaga gaagtacatc tcctctgaaa aaattttaga 261780  
 ggaatggtgg gagacaaaat aaatttgcatt ttagattccg tcctaaaagt tgtgttggtt 261840  
 caaccaccca gtccacaag ttgggaaaat gttacatact gcagcaccct tttagggaa 261900  
 tcataaagta ctgaaaaac acatcaggaa agttgcatgc taaatattt taatcctgta 261960  
  
 tateccaaac ttattcgagc atggatccct tttgttctt acgtcctgga atcggatagc 262020  
 tcttgtgcaa gtcattttac ctagttagc ctgaatttgc ccatctttaa aatagaaata 262080  
 atactagtac ctacctata tttcatttga aagaataaag tggtttaatg aatgtaaagt 262140  
 atttagcaca taaaagtat tctataaatg ctagggaagg aaaaatcatc tgcagaaagt 262200  
 cagtgcctaa tttttatct tttcgactct atcactttt ttgaaaaaa aaattaaagc 262260  
 tatggccggg cgcagtact cagcctgta atcccagcac tttgagagc tgaggcgggc 262320  
 agatcacgag gtcaagagat cgagaccatc ctggttaacg cggtgaaacc cgtctctact 262380  
  
 aaaaatacaa aaaaattagc cgggtgtggt ggcatgtgcc tgtaattcca gctactcagg 262440  
 aggctgaggc aggagaatgg cgtgaaccg ggaggcagag cttgcagtga gccgagatcg 262500  
 cgccactgca ctccagcctg ggcgacagag caagattctg tctcaaaaa aaaaaaaaa 262560

aaaaaattaa agctgcatta attgatcaaa tatggtttcc aagtcattgc agattatcta 262620  
 tgtcactctc tcaacgatgc aacgttcacc tttagtagct aaccaaagac gagtctagt 262680  
 gcctcctact ctctctgac taccatagtt tccccattga aacccactc atatctccct 262740  
 caatcaaaag gatgcgtttc ttgtcttcat cagattcttc cttccttctt tgtctcattt 262800

atctctgaat ccataggacc taagtcttat cccacatcag gtgcccaatg aatgtttaag 262860  
 gaaagcagaa aggaaaaaga aaaggaaaag atggaagagg aagaggatta aatgtttca 262920  
 ttcaagaca tgacagatta catagcattc tctaacttat attgacaggt taaaagagtt 262980  
 ggactaactt ctataaaca atttctcatt tcatctctct tcttcaaata tgttaaaatt 263040  
 tttatacttt atttctgttc tttagtgagt gacctaaaat acaaaatgta tagctatctt 263100  
 aatatcagaa gatataattt ttccctctc tcaattatta taaagacttc aaatacttta 263160  
 attcgggcca caccttctca tcttgaaaac tactgttttc tggatattta acttacctgg 263220

atcttttttt agctctgtca aaagacaaaa ttacaataaa aatctagctg gcttttattt 263280  
 tgacttctag tatcagcaac accttattct gtaaagtaga atgagtgtc cattgagctc 263340  
 agcagatgag gttgacttta tgggcagaaa aagggtgaa gaaagcagaa gcagagaaca 263400  
 aaaagcagat tgggtgtttc aaagtactt ttttttttt tttgagaca ggtctttttg 263460  
 ctctgtgcc caggctggag cagcaaagt gtacaataac ggctcactgc agcctcaacc 263520  
 tctcaggcta aaatgatcct cccacctaa cttctccagt agctgggacc acagatgcat 263580  
 gccaccatgc ctggctaatt ttgtatttt ttgtttttgt attttttgtg gagacaaggt 263640

ttcaccatgt tgcccagact gggtttgaac cctgtgtc aaacaatcct cccactttgg 263700  
 cctcccaaac tgctgggatt acatgcatga gccatcatc ctggccgtca aagtactttt 263760  
 ctttatatag ggttaaaaca gaggggactt tctgttatg ctgactcagg ttgactagaa 263820  
 tcttctgttt tgggaaaact aagatggata gatagataga tagatagaca gatagacaga 263880  
 tagatagaca acttttctca ttttttgact gacaattatg acttgtcct ctgccttgag 263940  
 aaaagtgcta tgtttttca aaaatagaaa tggatatatt atcagagtcc ttccacaatg 264000  
 taaggctaag gaattacatt cttattaaca tttcacaatt tcttttttta acacaaattc 264060

tcctcaccca caaggcatat tcacagtaag cagaatacag cccaatactt gaatttatgt 264120  
 actaaatgat aaggaaatag ctgtacatca tcattatctc caaatagact gaggatcctt 264180  
 ttcatcttt caagatgcaa atttcatcat cctattgaat ttattctctg cataaaacat 264240  
 tagcatttac caaggttctt gcggggtttt tctgtttttg ttttagcat aggaggactt 264300  
 ctgaagaatc gctatatgtg aataataata ttatcattga acaaggtttt aaaaaccaca 264360  
 ttactcattt ttggatatatt atcaatattt ttctttcttt ctttcttttt tggagatta 264420

tctgggcctg ccgcttgctt cctcagcaca attgaacaca taattactat gtaaatttag 264480

gtttccacat gcttccagg gaacatagac catttggtat cggagatttc gaagccttaa 264540

tcatttggaa tatggtacat tcgacttaat ctgtaaaatg aagataattc ttatctgcct 264600

tcagaattt tataaggatt aattacttaa ttttggttaa gcaatttgaa catgaaaaac 264660

attacataaa tgaaggcaag tcctaataat attaaaaaag attactgagc agagaagcac 264720

agagatatct tttctgttta ttattctgtt attatcatat ataattagat cattatctaa 264780

taattgttta gattacaaaa tataaaacag gcagggcaca atggctcatg cctgtaatcc 264840

caacatttgg gaggccaagg taggaggatt ccttgaggcc aggagttaa aaccagcctg 264900

agcaacataa agaaacccca cctctacaaa aaataaaaaa attacctagg catggtggtg 264960

catacctgta gtcccagcca ttgggaaggc tgaggcagga ggatcactca agcacaggag 265020

tttctggctg caatgagcta tgataatgcc actgcactcc atccagcctg ggtgacagaa 265080

ctagatcctg tctctgttta aaaaaaaaaa aaaggtaaaa cacataactt ttttttcag 265140

tacctgatac tcacatatgt gttttccttt cttcacaaaa atatcattga gtataccatt 265200

accattaaaa tctgtgattc tctaatactg taatattaac ttatttcata aaatattgtg 265260

atatggctca gaccattgaa gttatttttg gttgggagag tatcgataag aaatggcaag 265320

tctcttttaa gaattatttg ctttaagtta aaaagtcagg tatatataga tataccttta 265380

aatcaagtc ccatgaccaa tgatgaaaga atgcactcca ttttcattaa ggatttaaag 265440

atgcctact acgtacccat gtagattcct ggtcatatga aagaatactc aagaataatt 265500

attgattgaa aatccaacat tctataagaa gagaaggaag aataaaacaa acataaaact 265560

ggtccatgtt attaaatgta tcaatggttt tcattttcta cagcataaag tatgaattca 265620

ttggcacggt actaaagtct ttgtctaccg cccaactctc aagtcttttt ctttccttca 265680

accaatatat tttaaacaat tatttaccaa gtatccattg tgtgtttggc cttttggtag 265740

gigctagaaa tacaaaagga gagagagaga attcctgaca gcgcaaagtt tagacattgg 265800

caggagatac cgatatttaa ataacaggt agttatatac catagattg ggtcaagagc 265860

tatgaaggct attataggat tgcaagaaag gcatataatc taaggagtac aaaaattgtc 265920

tctacaaaag cgccatttaa gctaagacct aaagaacaaa aaattgtcca gtcaaaatta 265980

taggtgaatg aagaggtgtg gcagtacatg tgaaggccct gagaggaaag gggactggca 266040

cattagagga aaagggaaaa aacgtcacga tacagaaagt ggctgcaaac gaggctacag 266100

aggtagatgg ggcgccagat cagagaagtc ttgtaagtca atataggacc ttaccctgag 266160

aacaacggaa aaaccattga aatatttgag gcagtttgt gaaatattcg tatgcttttc 266220  
 aaaaattatt ctggctgttt atatggggaa aaaactgaca gaaacaggaa taaaagccag 266280  
 gctattatta taagaaggct attgcaatgg cttaggctag aaaagatggt agaaaagaag 266340  
 gaaaggagca agaaagagaa ggagagagag aggaagagag gaaaggagga agaaaagaga 266400  
 aagaaaagaa aaaagaaaag gaagataacc ttttaacagt ttcaagtcaa atgacaatta 266460  
 agaaaaata ttttacctc ataccaggca aagagctaata tccaataata tataaagaac 266520  
 ttctatacat caataagact aacaaatcaa tttttaaaat gggaacaaat aaacagttta 266580

ataaaaagga tatataaacg ttataaacat gaaaagatat tcatgacaag agaattaaac 266640  
 attaaaatga ctgatatatt tcacttaaaa tattgacaac attgagggtc caagtgaatg 266700  
 ccagtttggc agtttagaca agtgtcatct gacaaaacag aatttctaca aaatatatta 266760  
 tatttatatt atggaaattc acattgtatt ctccataaaa atacatacaa aatcctaata 266820  
 atagaaatag tatttaattt ggcttaaccc agtgttgtag gtatcaacta aattagaaag 266880  
 aggagcttta ctcttggtta aagtttgtag ccagcagagt ggccattctg acaggctggt 266940  
 cagcgtagcc ttgtgtcaga agctagaaac aagcacttca agggaggagt aaaggaaaca 267000

ggaatttatg ctgagcagga tggccaaata tacatatatta ctaagctata ggaagagtcg 267060  
 tgttatgaaa agagaaacat gtgcattcgc attgagcttc atgcctctcc atgggacccg 267120  
 tgtttaaaaa aatggcaata ttagcatgat ccgagggtgg agttttcagc cctatgatgt 267180  
 caaaaggatga agcagaggac atgaaaactc tctctgtgta tcctccttac actgcccaga 267240  
 accacttcat ggacagcggc cttttattag gaaggaatgc tggtcagatg ttttgttgaa 267300  
 atccaaaagg agaggcagca tcaggcagtg ggttgatgac aatggcagag tctttttaaa 267360  
 aagctgattt ctgtgtagcc cctagagaag aaagcctaata ggtggttagc tagccaggag 267420

ggtctaata gaagggtcca acctcccatc ccattttcac tgggaactca gttttcaagg 267480  
 tttttctggg gtcccttggg ccaagaagag gccatttcag tcagttgggg gcataagaat 267540  
 tgttttttgc ttgtttgttt gttttgtttt gttttgtttg gagatggaat ctgcccctgt 267600  
 cactgaggct ggagtgcagt ggtgtaatct ccactcactg caacctccat ctctggggtt 267660  
 caagtattc tggtagcctc gccttcccag tagctgggac tacagggtgca caccaggacg 267720  
 cccagctaata tttatttttg ttttttgggt agagactggg tttcaccacg ttggctacgt 267780  
 tgggtcctaaa caccagacct caggatgatc gctgcctcg gcctcccaaa gtcctgggat 267840

tacaggcatg agctaccatg cccagccagg atttcatttt tgtttctcac aaattgggtc 267900  
 ttcagaaaac agactctaag atggagattt ccatgcagga acttcattag ggagtggcct 267960  
 aagggtgga tccaatgata ggacttggtt cagaactgca ctactactt gtagtgggaa 268020

tgagaggagc ccaaaacaac aaagccaggt ggtggcaatc aatcctcagt ggcaagatag 268080  
gcacagttac cataatgggc aacaagggca gatggcttga ctcacaggga tcaatggaga 268140  
tggaacaaa agcataaagt tcttctggga aagagaaaata ggagccaac aagaataatc 268200  
cttaatttgc ataaccaaag gccatctagc cagctcatac ctgtgggagg gaggaagtag 268260

aacaaaggggt aaaagctgaa gataatgagt actaattatg gtctcaggat caactgtagc 268320  
aacaggggct gtagtttgc ccactaacc tctctttgta gatttttcca gaaattgtaa 268380  
ccagccagaa ttctggagaa accacacttg tacagaggga ggttaatatg agaagcaagt 268440  
ggatttcagc agtgcaagga gcaagctgca tcaggcactg ttgatgcccc ctacctacat 268500  
ccctttactc cattgatgcc cacatttgcc ccttttcttt tggtaattgc ccttggacaa 268560  
caggagctgc ctcccaacc cccatgctgc agggccact ctgaggtttt aggcctcca 268620  
ggacccccag ctggagccaa cctgcagcta atacaaaat aaaaaggtt ggactccttt 268680

cctgaaggca tgatcaactt tttggtgcaa ttaatactct agaactccct gtggaattat 268740  
cctgaaacta gatttcaact gagatcacat tcttgcttaa ctttttctt cctcctatg 268800  
tgtggtccag gatcaaaaata ttatcacagt ctgggccttc ttctttttt ttttttttt 268860  
ttttttgtc ttatagagat ggagctcac catgttggcc aggcctgtct caaactcctg 268920  
ggctcaagtg atcctccac ctcagcctcc caagctgctg ggaatacagg catgaactat 268980  
cgcaccagc ctaggccttc tttaaaaact gctggaccac gactaggccg agctgtgccc 269040  
agtccaaggc tctagttcaa gggagcattg aaggaggaag gttgaccctt caagtcactt 269100

aaattagtgt tttcagctg aacctcatga cacatgaatg agccatgaaa tcaatttagg 269160  
gagctaccac tccatttct taaacaaaat gtaacaaatt acaatagaat agaaactctc 269220  
cacacgtatc acatggagaa aagcgtttt tccattgaaa ctttatttcc actatatata 269280  
tgcaagttga tgtgtatgta tgtgactcag aatatagagt catgatgtaa aatatatatt 269340  
tgacattgag ttgtagtcaa taaacttta cgccatgaat ctaaacagaa aagaaatggt 269400  
gacaaaggta ccaagaacat gcagtgggga aaggacagtc ttttcaatag acgatactgg 269460  
gaaaactgga gaactatatg cagaaaaatg aaactagacc ccctatcatg caccattggt 269520

ctgggcaaag agtttttcta taagacctag aaagcatgag caaccaaagt aaaaatggac 269580  
aatggggtc acattaagct aaaaagcttc tgcacagcaa aggaacaat caagtgaaga 269640  
gacaaccac agaatgggag aaaacatttg caaactatcc atctgacaag ggattaataa 269700  
caagaatatg tacagaactc aaacaactct gtagcataaa aacaataac caatttaaac 269760  
atgtgcaaaa gatctgaaca gacatttctc aaaagaaggt atacaaatgg ccaacaggta 269820  
tataaaaaac ctgctcaacg taagtaacca tcaaagaaat acaaatcaaa accacaatga 269880

aatgtcatct cacaccagtt aaaaggcttg tatcaaaagg acaggcaata acagttgctg 269940

gcaaggatgt ggagaaaggg gaaacctcgt acgctgttga tgagaatgta aattagtaca 270000

gccactatgg aggacagtag gaaggttccct caaaaaacaa aaaatagaac taccatatga 270060

tgcagcggtc ccattgctgg gtatgtagcc aaaagaaagg caatcagtgt attgaagaga 270120

catctgtact cctacgatta ttgcagcact attcacaata accaaacatg ggatcaacct 270180

gtgtctgtca atgaatgagt ggataaataa aatatgatct atatacacia tggaatattg 270240

ctcagacata aagaagaatg atatctgac atttgcagca acatggacga aactggaggt 270300

cattacatta agtgaaataa gccaaccaca gaaagacaaa tatcacattc atatgcggga 270360

tcttaaaaag tgaatctcat gaagatagag agtagattgg tgcttaccag aggccaggaa 270420

ggggccaggg gatgaaaggg aaaaaagaa tataaaggta gttataactg ctgaactgtc 270480

cacttaaaaa tggcaaagat gaggccaggc gcagtggctc atacctgtaa tcccagcact 270540

ttgggaggct gaggcgggcg gattacctga ggtcaggagt tcgagaccag cctgaccaat 270600

atgatgaaac ccagtctcta ctaaaaatac aaaaatttac cgggcatcgt ggcaggcgcc 270660

tgtgatccca gctactcagg aggctgagac agtataattg cttaaatcca ggaggcagag 270720

gttgacgtga gccgagatca caccattgca ctccagcctg ggcaacaaga gcaaaacgcc 270780

atctcacaaa aaaaaaggca aagatggtaa attttatatg tatattttac cttaataaaa 270840

aagaataatt tttttaaaaa agaaaagaaa atatgtgatg ccatcagagc acccacaggc 270900

catgactaga gctcaaatat ttaataatgc agccccatta gctcctgtca accagcaaag 270960

gtacattct gattagtcac ttttgcctg gctgttaggt cagctataga ctcaatgctc 271020

actgaattaa tcctctaaaa cccaatttct ggagtgcagt ttgataatt ataggcttac 271080

ttagttaata gtattttatt ggctgtaac ttacttattg agctgagcca aattcagcta 271140

atattagaaa caaaaccttc caggactaac aatagccagt gcaactttgt ctaaaaatca 271200

ttgtgtatat taaatcatat caaagtcaat atctaaccac aaacttactg attaatttat 271260

accaaacatt tgcccaaaaa aaggtaatca tattttgta aaaattccta tacagaagct 271320

gaaatcaact tcttttttc tttaccttc aagatgaaat aacttcagag aaaactttga 271380

ggaaagtcct attcaagcag ggaacttgga gagttcataa cccctcttcc ctggagttaa 271440

tacttctggc aacctcagtc actttgagca aactagacc ctgaatataa gtgtaaaggg 271500

ctctgagtaa ctctgggtg gccaaaatga aactcacaaa gctgagcac taaaatcctt 271560

ttagttttat tacaatcatt ttagtcatt ttatgtttt attgatttcc caatcgtagc 271620

acatttgagg cagaaaatta ctaaaataag ttacagttag aagcaagcat aatgatagca 271680  
aaagaaattg tagctaacaa cccagttagt taagagatag gaaaactatc aaaactttga 271740  
caagacagca aacacatggc aatcgatggt cathtagtat aggcaccaat gtagcctttt 271800  
ttttagtat tttttaattg ttttttaaat ttcatattc taatagtttt gtgctgatg 271860  
ttagaaaata aaatttactt ttatatactg actttgtacc caacaaccta gctaaatgta 271920  
cttaattcta aaatttagtt gtgggagctc ttggatttca tatgtatcca gtcattgtcac 271980  
ttgtgatata aagataaat attgactggt gtatagttaa tatatcaaga tatatgaaga 272040

tagaaaaatg attattttat atcttccttc ccaataccta tatttttctt gccttatttc 272100  
cctggtaggg acctcacata aaaaaattaa atagaagtga tgataaaagg catctccttg 272160  
tgtatttgct tacatcagag aaaaagtfff caatatttca ccattaaaaa tgatgtttgg 272220  
ccaggcctgg tggtctatgc ctgtaatccc agcactttgg gaggccaagg tgggcagatc 272280  
acgaggtcag gagatcgaga ccattcctggc taacacggtg aaaccacatc tctactaaaa 272340  
atgcaaaaaa aataagccag gcgtgggtggc aggcacctgt agtcccagct actcgggagg 272400  
ctgaggcagg agaattggcgt gaacctggga ggtggagctt gcagtgagcc aagatcacgc 272460

cactgcactc cagcctgggc gacagagtga gactctgtct caaaaaaaaa aaaaaaaaaa 272520  
atgatgtttg cccagatgt tttatggata ttcttcatta aactaaggaa gctctcttct 272580  
cttctgtttg ctgagtgggt ttttaaatct tgatgggata ttatagtta tcaaatgctt 272640  
tttttcttct attagataa ctaaatgatt ttctcttgt attctgttat ttgtgcagaa 272700  
ttacataaat tgatatttca aatgccaagc ccactttgcg ttcaaggaaa cccacatcat 272760  
gggttatgat atactatctt ttataggctg ctgatttcta ttgtctaata acttaagatt 272820  
ttatgtctat gagaaagatt agcctataat ttctctttac tgttgtgtct ttgtcaattt 272880

tatatcaagt atgaatgatg aggttgcaga ggaaattgaa ttcttataca cagctgctga 272940  
aagtataacc actttgaaa gttgttatca tatcttttta tgctgatcat atgcataacc 273000  
tataatctca caatttact cctagtata taccaaatag gaataaatac atacatgtac 273060  
cagaagacat gttcaaatat gtcataaca gcattactg tacagcaca aactggggga 273120  
aaagacataa ttgcccctca aaagtataat gcataataa actgtactat gtcactcaa 273180  
tggaatattc tataacaata aaaaaggaag aaagtgtgc tatacacact atcatgattt 273240  
aatctcataa acatgttgtt caaaagtcaa acaaaaatga aagtatatgc tgaatgatgc 273300

cacttatata aagttcagaa gtaagcaaaa cagatctata atgctaggaa ttcagggcac 273360  
tggttacctt caagaggga ttagtcactg atagaggga taaatggggg aggagggtt 273420  
atgaattact actaatattc taattcttga tctgggtggc aatttcgctt actgaaaatt 273480

tatacagcca tgtgcttaca tttagtatgt ctttctttat tgtatgttat acttaaataa 273540  
 atatgcttat aaaagagatc attgggtaaa agtaattaaa aatatgatca tgcattttat 273600  
 ctttatgatg atcatattat aaagtgtaaa attggagggt gtgttagttc aggtcttgca 273660  
 agaagcatct gccaaagacat gatttaacat gcaagggtg ggcacagtgg ctcatgcctg 273720

taatcccagc actttgggag gccgaggggg gtggatcatc tgaggtcagg agttctagac 273780  
 caacctggcc aacatgggtga gaacttgtct gtactaaaaa tacaaaaatt agctgggtgt 273840  
 ggtggcaggc gcctatgatc ccagctactc aggagggtgga ggcaggagaa ttgcttgaac 273900  
 ccaggagggt gaggttgcag tgagctgaga tcgtgtcttt gcactgcagc ctgggtgaca 273960  
 agagcaaaac tccatctcaa aaaaaaaaaa aaaaacatgc aaggattttt tgggaaatgc 274020  
 ctgtgtgaaa gaaattgagg gggccagtaa gactgaggga accatcagac taccatgcaa 274080  
 gtctgactcg agcaaaggaa gaaaggaggg aggggtggaa gcataccaca ttatggtgta 274140

gtctaaggaa gtttcaatga ggccactggg gagccccgtg actcccagga atgggcctac 274200  
 tttagtatcc caactagtca ctagcaaatg cagcaaagga tttcaagcca gcagctgggc 274260  
 cctttggtca atcatgtga ctgtggttcg atggctgcaa tgtgcattct tatggtggcc 274320  
 aagaggtttc agcatgatat tttcttttct ctgttaaaaa tagattttta tttttatatt 274380  
 catttttaaa aatttttatt tgctttttta atttacctat ggtaaaatta gcactttttg 274440  
 atgtacaggt ctatgagttt tgaaaaatgc atatagtcac atagctgcaa ccacaattaa 274500  
 gatatttacc agttctctta ccctaaaagt ttctctatgg tgcaccttta aagtcagcct 274560

ctcaccccat ctccagcctc tggcaaacat taatctcttt tctattccta taattttccc 274620  
 ttttctaaaa tataaattaa atcatatatt atgtagcctg ttcagtatta atgcattaga 274680  
 tattcattca tattcttatg tgcatcaata agttcattcc tttttattgc tgagtagcct 274740  
 tccactttat ggatgtacca ccactttttt atccattcat cagatgagaa catittgggtt 274800  
 gtttccaatt tggggcaatt gtgaaaaagc cactacaaat atttgcata atgttcttat 274860  
 gtagacagac gttttccttt ctcttggata aatacctaaa ggtagaattg ctgggttata 274920  
 ttgtaagtgt atgtttaatg ttaaagaaac tgcagacgg ttttgaaag tgtctgtagt 274980

attttttatt cctaccagca acgtgtgaga gttctagtgt ttacatattc ttattattac 275040  
 ttggtatagt caggtttgtt tgtttcttgt tttttgtttt agccaatcca atagggtgtc 275100  
 agtactaact catttcttct ttggtaaagt atctgtccaa atataactaa gtattatata 275160  
 ttttaatcca agaaaaaaaa tcagccttct agcccaaaaa tttctgttca aacatttcct 275220  
 gagttttagg tgattgtttt tatatgagaa gaaatataaa aacatttaag ggaaatcctc 275280  
 tcactctctc tcaaaatgta aagctgagtg ggaatacaaa ttttcttctt gaaatagttt 275340

tgcaaaaata aatatttcaa gatatttaac caccaaaaaca gcacaggcac taaacaacca 275400  
  
 gagtagacac aagatataga ctatatgtgt ctctaggata tactagctga atatttgccc 275460  
 tggctgacaa aacatatcaa aattctcaaa aatgggcatg ttctttgaac tacaaattcc 275520  
 atatttaata atgtattata aggaactaat taaggaacat agagctatat atatttatac 275580  
 acatatacat gccaacacac acaagtacat tcagtgttgt ttgtgatata agaagctga 275640  
 acatggccag gtgccctcat gcctgtaatc ccagcacttt gggaggatga ggcaggaata 275700  
 tcttttgaac ctaggagttc aagatcagcc tgggcaagtg agatcctgtc tctacaaaaa 275760  
 ataaaaaaat tagccaggca tgggtggcaca tgcctgtagt ctcagctact taggaggctg 275820  
  
 aggtgggaga ttgtttgagc ccagaagggt gaggctgtag tgagctgac acaccactgc 275880  
 actcaagcct gggtagacaga gcgagatcct gtctcaaaaa aaaaaaaaaa ggaatgtaac 275940  
 tgtccaatat gaaattattg aaataaaata taatagaata tgtccataca gtggcatatg 276000  
 tcatttaaaa tgatgtttct ggtatgagtc cactgatatt ttaaaaagta ttcattgataa 276060  
 atcattaaga gaaaaaggca gaccacaaaa ggtattacat gttcctcctt aactacatgt 276120  
 gtgcatatga gtgggtgttc ggaaatattt acacagagta acaaatataa taattgatgt 276180  
 ttttctctct gtattttctg attttctgaa acaagtattg ctttagtaat ggggaaggag 276240  
  
 gaggaataca agcaaagcat tacagagaaa taaaagcatc ataattaatt attaatagt 276300  
 atggatgaat catcaagaaa aacttaaaat gtgtttgggt tagattaaag atttcagatt 276360  
 catataaaat attaaactat tatatttaac tgattagggt tcatttgtat agagaaaacc 276420  
 tcattcctca gcattgccag atataggaaa tgggatgtat ttccatgtgc atgtttgcat 276480  
 gtatataatg tigtgtgtac tgtctgttt ctacaaagta aacctgggag tagctaggca 276540  
 ttttacttta gtcatagaga attttttacc tagagggcaa tgttctgatt catcccaaag 276600  
 cctgccccag aattgctaaa ataccttat tcgtattctg ctgcaagcat tgagttcaca 276660  
  
 gagtaactca cgcttcaaca gtttctctca gtttaggttc aaagagacct acttttgcac 276720  
 tgcgtagtta cagaaccat atgaaccttt tagccacaaa gcacatgttc caggacatg 276780  
 ctatttcaca atagaaattt caggcttcaa actatggctt taaaatagtt catatgactg 276840  
 tgtagaattc tttttgctta aagctagaaa caagcatttt cctaacata aggtattttc 276900  
 caagtcatc aaaagcactg tacttttcaa agcaatttca agcaaggtca cagcaacctg 276960  
 acatgccatg aagactctag tgatttaaaa aacatggact aggctgtcaa tcagagcaga 277020  
 aaccccatcc aactaggga cagaggagaa acttgatgga caagcatctg tctactccag 277080

gggcatccag gctcccccta ttgtcccat ggaagcctct cctgctgctt cctggtatTT 277140  
 tgttaatgaa tagaaacagt agtaaatcc actagcattt tgaagatg tttatttcaa 277200  
 tccagggtca caaaaggggc tggggggtat ctttttgtga gttattaaag tatgtagaca 277260  
 aagatcaaaa aggccttagca aaaattcgta cattccctgg gaaatcccg tggaaactaa 277320  
 attagcctct gactcctcca gaacacatac aactaatgct tcatttttct attttctctt 277380  
 gatcatctga tcacaaaaag cagatgtatt catggcattt ttcaataaa atgacagcta 277440  
 gagtaaagaa tgcaataga tttatgtggt ctactttgag ttgaatatgg tagaacttgt 277500  
  
 gacaataata atccatataa tgttatTTTT caaagtcttt caaattatTT caatatttca 277560  
 atcttttttc atagtaattt tatttaccatt cttattacaa aattttcaaa aatatattag 277620  
 ttaattttat cctaattggca actatgagat aaatattatt gtccctatgt gaaagcaaag 277680  
 aaaactataa gcacttggag gttaatttagc tttcctaagg tcacacatac tcaccaggta 277740  
 ttagtacttt gtgtatctg ctttaaatat ttgcttcttt ttagaaataa aatattactc 277800  
 acatagtggg tgtctctgtt ttattcctca cttatttaat tcctccctac atccacagaa 277860  
 gaagaaatca ctatcctaag atgggatgta cttttctgtt agatttttgt acttacacat 277920  
  
 glatgtatcc ataaacaaca tatagtattg ttgtgtatca ttctgtatct gttttttccc 277980  
 actctgtttc tgtgatagaa caatcttaaa ttatttaaat ccagtacatt cctttacctg 278040  
 tgttaccgta ttccatgata tgaatatacc ataatttgat tattcattct ccgaatgata 278100  
 tttgggatgt ttcagatttt tcaatatttt aataaaaaata acgccactga gccgaactcc 278160  
 attttccatc cagcatgtaa ggagcttaga agtcaaaaac accattctaa caacaaggca 278220  
 aagctaaaca agctgaacat caaacacttt tatgatccat cagagaaggg aggtcacaga 278280  
 gcaaagcact gccctgaaga gacagacagg gacactgaga accacaactt ccctgagcag 278340  
  
 aaacctctga gggaaccagt gccccagcag gaaaacctaa attagaattg aggaattgct 278400  
 ggcagctctg aatagataag tttttgtgtt gaaaactcca aggagactca gtcttagagg 278460  
 ggatgcccaa acttttgcaa tttttacctc caggagctct atcagcttct cacagtgaaa 278520  
 atggaaaaaa aaaaaaatc ctttgtgttt ccagctggga gaggtgaaag taacctttt 278580  
 gaaatacacc aaagcattct gctctactta acaaggcctg ccctcaggag aaactatttt 278640  
 accagccctt aacttactag agttttatca gagcctaacc accctgcaga agccaaaata 278700  
 tccaactccc gtccctctta gttttccatg ttgagaaaaag aaaataacca actccagctc 278760  
  
 cctctagcta tctgtccca cctaagatgg gtgcaaggag aaccgagaag cacttgtgaa 278820  
 gttcacagac caagggcaca gcctcgctga aagacgagac ctaatcacag gactattgag 278880  
 ccctttccca ccacacacac acacaaacac acacacacgc aaaaacgca tcttaccacc 278940

acatcagtaa aggcctatatt ttagcagttc ctgctacaca gtacatcacg tccacctttc 279000  
 agcaaacagt ccagggcaca ctaaaaggca gaaagcacag ttggaagaga ctgaacaagc 279060  
 atcagaacaa gactcatggc atgaatgtta caattgccag accatgaatt taaaacaact 279120  
 atgactaact tgctaagggc acaaacggaa aaagtagaca acatgcaaga atagatgcgt 279180  
  
 aatataagca gagggaagga aattataagg aagaatccaa acaaagtgt agagatcaaa 279240  
 aacactgaac tagaaatgaa gaatgttttt gggaaagaat ctgagtttga ggatatgtca 279300  
 atagaaactg aaaattttaa aaaaaaaga ctgaaaaata aaaaacaaaa aacagaacat 279360  
 ccaagaactg cacaacaact acaaaaggtg taatatatgc ataataaaaa taccagaata 279420  
 agaaagcgag aaagcaactg aaggaatatc tggaacaata atgcctgaag atttcccaa 279480  
 attaatgtca gacaccaaac cacaatcca ggaagctcag aaaataccag gcagaataaa 279540  
 tgcccaaaa ctacaaaaat cgtattcaaa tggcagaaaa tcaaagataa agaaaaattt 279600  
  
 tgaaagaagc cagagggatt taataaatag tgctggcaga actggataaa catattcaaa 279660  
 aaattgaaac tggaccctt cttacacat ttacaaaaa ttaactcaag atggattaaa 279720  
 gacttaaatg taaaaccaa agctagaaaa aacatagaag aaaatgtagg caatgtcatt 279780  
 caggacataa gcaagggcaa agattttatg acaaaatcac caaaagcaag tgtaacaaaa 279840  
 gcaaaaattg ataatgggt tctaattaaa ctaaagagct tctgcacagc aaaagaaact 279900  
 atcatcagat caaacaggca acctacagag tgggataaat attttgaat ctatccattt 279960  
 ctcaaaggtc tatccagaat ctacagggga cttaacaaa ttacaagaa aaaaaaaaa 280020  
  
 caacctatc aaaaagtggg caaaggacat gaacagacac ttctcaaaag aagacattca 280080  
 tgcggccaac aaatatataa aaaaagagct caacatcatt gatcattaga gaaatgcaa 280140  
 tcaaaaccac aatgagatc catctcatgc cagtcagaat ggctactatt aaaaagtcaa 280200  
 gaaacaacac atgctggcaa ggctgtggag aaataggaat gcttttacac tgttggtggg 280260  
 aatgtaaatt agttcaacca ttgtggaaga cagtgtggcg attcctgaaa gatctagaac 280320  
 cagaaatatc atttgacca gcaatctgat ttctgggtat atacccaaag gaatataaat 280380  
 cattcagtta caaagatata tgcacacata tgttcattgc agcattattc acaatagcaa 280440  
  
 agacatggaa tcaacccaaa tgcccatcaa tgataaactg gataaaggaa atgtggcaca 280500  
 tatacccat ggaatactat gtagccataa aaataaacga gatcatttcc ttgacaggga 280560  
 catgaatgga gciggaagcc attatcctca gcaaaactaat gcaggaagag aaaatgaaac 280620  
 accacatgtt ctacttata agtgtgagct aaataatgag aacacatgga cacaggaggg 280680  
 ggaacaacac atactggggc ctgtcatggg gagggagagt agcaggaaaa atagctaattg 280740  
 catgctgggc ttcatacct gatgatggat tgataggtgc agcaaacac catggcacac 280800

atttacctat gtaacaaacc tgcacatcct acacgtgtgc cctggaactt aaaataaggt 280860

taaaaataaa aatttaaatt tacactgaaa aacaaacaaa caaaaacaga aagaagccag 280920

agggaaaaaa cactttacct atacaggagc aaaaataaga attacatctg acttctcaga 280980

agccacacaa gcaagaaaag acgaggggtta aatattttaa gtatgtatgt agaaggggaa 281040

aataaaaacta ctaacagatc ctgtgaaatc cttcaaaagt gtaagaggct ttctcaaaca 281100

aaaattgagg gaatttgttg ccagtagacc tgccttgcaa caaatattga aagaatgtct 281160

tcagagagaa gaaaaataat ataggtcaaa aactcaaatt tacataaaga aaggaaagag 281220

attagagaag gaataaagga acaggtaaag gtaaagaaaa aaatcttaat ttttcttatt 281280

cttaattgat ctacagata acagtttgtt caaaataata atagaaataa tgtatttgat 281340

gatcgattat agcttatgta gaagtgaat gaatgacagt aaggcgctgg agggcataat 281400

acaaagggca gaagggaaga attagaaata ctcgattatt gttacaaggt acttgtatta 281460

tctgtgaagc agtatagctc actttcaaat gtatttgaat gtggatttgg attagctgta 281520

aatggacatt gcatactcta gagtaactac taaataaagt aaaatcgtgg tagcaatgtc 281580

catttcatag atgccaatagg tatcagttgc caagcattaa aaattctaag ataaaatagt 281640

tgagaattac attacctaac acattcaaga atttatttat ttattttttg agagagtctc 281700

accatgttgc tctggctggg tgaaaactcc tggcctcaag caatcctcct gccttggcct 281760

cccaaagctc tagcattaca ggcattagct gacacacata gcccagtaa atatttttat 281820

tttaaaaaaa tgccactata aacattcatg tgcttgtctc cctgagcaca tgtggatgga 281880

attatttaat cacaggtctt caaaggcatc tctctctctg ctaagcatta tatttatcc 281940

ccaaagtggg tgcgccaact tgcactccca ccagcagttc ttgatatgat atttgctatt 282000

actctccatc cttactgata cttctgtcaa actttttaat ttaggggtgt gaaatgctgt 282060

gtctcattta attgcectcc ccctaattac taataagggt gatcatcttt tcatgtgctt 282120

ctcctgaact tcttcttctt tgaattacct gttcatatct ttatttttcc catgtgtttg 282180

tcttttttta ttgatgttta agagtccttc atatatctta aataataatt atttgttggg 282240

tctgtgtgtt acgaatacct tctctcagtc ttggaactc atcttttcac ttatttatgt 282300

tgcattgtaa acgtttgtta cataaactgt ccttataagc agaagcaaac tacttgtaaa 282360

tataactga tacggtttga ctttgtatca ccacccaaat cttatctcaa attgtaatcc 282420

ccaggtgttg agagaggagc ctgggtggag gtaattggat catgggggca gttttcccca 282480

tgctgttctt gtgatcgtga gagaattctg aagagatctg atggtttttt aagggtctct 282540

tccacttcg ctttgcttcc tttctctctc tgttgccttg tgaagaaggt tcttgcttcc 282600  
 ccttcacctt ccaccatgat tgtaaatttc ctgaggcctc tggagccatg gagaactgtg 282660  
 cgtcagttaa acctctttcc tttataaatt acccagtcctt gggtatttct ttacagcagt 282720  
 gtgaaaatgg actaatacac atactgtata aaccaggttc ttgaaaatac tcttcctga 282780  
 gtttactggt tttgttattg ttatttaact tattttcttt aatagagtat atgtacatgg 282840  
 cacaaaattc aaaatacaca aaatgataaa cataaacagt aaatcttcct ccttcctcct 282900  
 tccaagcaac tcagttcctc tcccacgata caaacactgg tgcctttttt tcttttttg 282960

aatctatgaa gataaacat gtattgtaaa catatatata ttttgttttt ctacaacaat 283020  
 ggtaatatat tacactatta tattccttga agttttctcc taaaatgtgt atcttaaaaa 283080  
 tacatatatg tgtgtatctc tagattatct agattatcag tataatacat atagagttaa 283140  
 tttttctttt ttacaccta cctagaattc cacaagcatg ggggaatgtg tagcctaag 283200  
 agagaatatg tcagctctgg agcatgatta aatgaatttc agtcccagct cctctattta 283260  
 ttagaagcaa gttagtgtg ctctctatgt ctgagtttcc cttttctaa atgaaaaaa 283320  
 taatggttcc tatctcacac agtttttgtg ggagtttagat tatgttaata tgtaaagagc 283380

ctagtaaata cttagcacat aaacacacat acacaaaaaa aacacattct tattctcaca 283440  
 aaccaatttt tatttaacca acctgtatta gagtctatct cacagcttcc tttcctttc 283500  
 attaatatac tagtaccaca cttttaatta atatagcttt atgtagcata tacatatata 283560  
 tatgtgccta gcaaatctc cctaaatttt ctctctatct tttgtcaga attttctagt 283620  
 ctattgttcc ttgatgatgt ttccatatga atcttagagt caactagtct aattaaaaag 283680  
 aattctgggt tttttttttt atcttaaaat tatggattaa ctagagaaat gtcagttttg 283740  
 taatagtaag attcctatc caagaacata atatgtctta ccattgtca aagtattctt 283800

tgtgttcttt agtaatatat taacttttta aatgtagatc ttataaattt ctgtttaact 283860  
 ttattcctag gtatttcacg ttttattact attataaaag ggcatthttgt tccattacag 283920  
 cttctaacc agcactccc aacatttttg gcaccaggga ccgattcat ggaagacaat 283980  
 ttttccactg accaagggca gagcaggag gtggcttcag gatgattcaa gtgcattaca 284040  
 tttaattgtg cacattattt ctattattat tacattgtaa tatataatga aagaattaca 284100  
 caactacca taatgtaata tcagtgaag cctgagctt gtttctctgc aactagtcag 284160  
 tccatctgg gggtgatagg agacagtac agatcatcag gcattagatt cttataggta 284220

gcgtgcaacc aagatccctt gcatgcacag ttcacaatag ggttcctgct tctgagaatc 284280  
 taatgccgct gctgatctga caggaagcag agctcaggcg gtaatgcaag caactgtaaa 284340  
 tacagaggag gatcgctggc tcgccacccc caccgcacca ccccccctc acgacctgc 284400

tcacctcctg ctgtgcagcc tagttcctgt accagtctgt ggccccaggg gttggggacc 284460  
 cgtgttctaa ctgactgtgg ttgttctctt gttttccaag tgtcattttt aaatctccag 284520  
 atctaactct ccgtgaaaat gtcttgctcc cataatccat caaaatcatc tgaagctctg 284580  
 agttcaccag caggtactaa ccaaaaaaca ctacaaatgt ctttatggtc atgaaggtaa 284640

catttacctc gcattttatt tagagactta gaacataaat tcaagttaaa gctgtcttta 284700  
 tttagacca ccaatggttt cagtactca tatgtttcaa taatatattt ctttactcat 284760  
 atttcaattt accataglac catgacatga aatgaaaaaa cctgacccta gtcaacttca 284820  
 atgtgataca tgaacagatg atatggtttt gggataacta agtatgggtg acccatccta 284880  
 acatgacccc caataagtca tgcatgcttt tgcaaagtct ctttcaatgt ggaggaaact 284940  
 aggaaactgt gacttgcttt ttagccaata gaatgtggca aacatagtag gatagtcact 285000  
 ctctttatta gggtatatta cgtggcaaag gcgatagcat agtcacttcc gtgattgtta 285060

catttatga gacttcatcc cagaagactg gaggacaaaa ttttctgct ggtcttgaga 285120  
 agtaacctgc catgtttagt gcgcacaaaag ggcagcctct ggaagatgag agttaccctg 285180  
 gctaattgcc agcaacaaaa tgaagacttc agttctataa cctcaggagc ctgcattttg 285240  
 ccaacagtca caggagcttg aaagaggacc ctgagctcca gaaggaaatg cagcccagct 285300  
 gatcctttga tgtaatcttg ggaaactcta agcagaggaa ctagctaaat tgtgcctgaa 285360  
 ctcccaatcc acagaaaaga tgagataata aatgtgtgtt gttttaagcc aataagttgt 285420  
 gctaatttgt catagcagca atagagaact aataaactaa gtcaataact gtgcctgcac 285480

attacaacta caaacagtaa atatctctta ccatttagta aatttatggt ggagttagt 285540  
 cagagtgaag tatcagtatt atacagttaa attatctccc taaatttaca gtgctgtcag 285600  
 taggaaattc cagaataacc ccagacactc caaagcttaa tatttcggca caacttttcc 285660  
 ataccacata cttcaaaacc tgagctaaat attactcatc agcattcaaa atttgactaa 285720  
 actgaaatct ttataaatg taagagtcta ttgaaaaca gaaagtatta tattaattta 285780  
 taactgaaaa atgggggaaa aacagagatt tttttttaa taattgaaat ctttcaatta 285840  
 tctctgcctc tgcctctgca gttaccctta gggatatgaat tttagtgtt ttcttttttt 285900

aggtcagaga tgcaaccaca gtaacctacc catagttata actataaca catttccatg 285960  
 gcaaaccag ttttctagaa ttccacataa tacagctatt tgaacactta caaccagca 286020  
 tatgggttca cgcttgacat ttaatgtctc agtcataaag caaactgttc cagcactttc 286080  
 aaaaagaaca ttaagatgtt ggcttcaaaa ataaaatgct ggctaacca acttttttaa 286140  
 tgcattgagt cctagaattc aaaagtattc ttccattaa aagttatttt ctttttcttc 286200  
 tctgatacat tgtaaaaagc tataaaatta gtgtctgaca tgccatttgg atgtaaatcc 286260

aaatcctcaa ttacgcaaag aaaggagca tattcaaagt taagttttag agagattttg 286320  
  
 tggagtgtag gcaaaggttt tctaaagagg atggagattt acaaggtaac aaaggcttaa 286380  
 aggaacttcc cccactgagg atctcagaga gaagtacaaa ccgctaataa tggaagcaag 286440  
 gccagattct gtttgtagag tctctacaa ataaataggg ttgtcttgac tcttcaagta 286500  
 aattacattt ttatcattcg gtttttaagt ttttatgtcc tacactgtta tccccaaacc 286560  
 ttccagaaac ccagtatacg aacagcctta tattagcagt tctgtgatga attattaaat 286620  
 agagtaaaat atatattctg gtgatgaggt agagaggtaa aggagacctt caccaaacta 286680  
 ccttgtttta gactagcatg gtaataacat gaagaataac ggccaatatt tatatgacat 286740  
  
 attatatgca aagcatttta tatggatact aactcaaaca aactacttta agttgacttc 286800  
 cccagaacca gaccctgagg caaggatttg tgtgaaagtg atttaagaaa aagtgtttcc 286860  
 aggaggagtg ggagtggtag ggtgggacca gaaagtgaag gaggccaagc aaaggtgtga 286920  
 accacttcag agggatgata actcaatccc acaggagccc cagtgtaaaa caagcctgag 286980  
 ttatgtgcaa cccatgtgcc tgatgcctat ggagcaaggg aggtggagta ttacattcc 287040  
 taaagtggca gtcattcatt aaggctgggg aaacagggga gggcacacaa attcccaggt 287100  
 acttttagat ctcgagtcca aagcaggatc tgagagagga gttgacaaaa aaagacacca 287160  
  
 gataccagct cgggggatga cagctcatct ggggcctgtg tgcacaaaga tggaagagaa 287220  
 atcgaacacg atatgaacag gacatctgtt acataaccct cacaacaacc ctgtaaggta 287280  
 gctatttgtt ttatgtccat ttacaagtg aggagactga aatgcagaaa gattaaacga 287340  
 gatgcccaag atcctatagc tgataagtgt cagagtcagg atttgaaacc agactatctg 287400  
 gctccagagt ctgcacactc ctccaccata ttattaaatc aagcactaga gcagagcatg 287460  
 cagagaccca aggaagaact aaagccatgg ttaggaacca aacaacagag aacaggctag 287520  
 agccaggaat gatttaagat gcagcccaaa tatactaacg tgacccttgg taggagagag 287580  
  
 tgtgtaatta gatctattaa gtggtagtg ccaatccagg tattagacat ttgggttaca 287640  
 cataatattc actttcactc taagcatgca agagagagaa attattgtag gcatggaagc 287700  
 agctglagaa aaagggaag aacaaaacaa aattttctct cctcttctct tttctttccc 287760  
 taattcctac ttcttctct tccacacaca caaacatata atgcgcacgc acacacacac 287820  
 acacacacgc aagtctgaaa gcttctttca gtttgtttct gataatttat taaaaataat 287880  
 taggaaaatt ggcagagaca ttaaaactca cacaccatag caagggaccg agtcagagat 287940  
 tttctgtaa gctaagcttg cctataaaaa tagcttggat aacagatagc tttttaatta 288000

attttaaaag ctagttgcaa aggagagatc atggcggacg ggaggcagga ctggactgca 288060  
 gctcccactc ggacagacag agcagcgtgt ggaggcttgc atcgtgaact tttgctccag 288120  
 aaggactgca ggaatacatt aggaatgccg caagaaccca tggaccctct aaagggtcct 288180  
 gcaggaccca ggagacaccc caaatactac gagcgcccaa actgtggaag tgggaaagg 288240  
 aggtcgtctg ccccaaaca cacagcccca ctggggaacc tgaaggtcta gattatccga 288300  
 gaagattctg accttacctg gagctgagtc aatttagaga gctgcgtgaa atacaggggt 288360  
 agaggaagca gcggcaaaat ccctctgggc tcgtgggtc ccctgccacg ccatttctgc 288420  
  
 ctggcctcac aggggtcctt gaggagggtc gctggaggca ctgggaaagc tgcagggaga 288480  
 aggaaaactc cagctgaact ttgtaacaat ttcaactgat ggagaagtct cttggccaga 288540  
 actcaggggg agggcatgaa tccagtgtgc agactcaaca gagcaggga gaaggagagc 288600  
 cctgtttatt ttacacgtg ggagcgggt agcctgggga aagtactcgg tctgtcttgc 288660  
 ccactgcctg gagacagcct tgggtctgct gctgggggca caatgggagt gagaccagct 288720  
 gtttgcgttg tgtgggaact gggtagggcc tgtactgcc agcttgcccg cacttcctg 288780  
 tcaagctgca tgacacagca aaggcagaca taatcctct aggaacataa ctctattgac 288840  
  
 ctgggaacct cccccacc cccccacc accccacca cagcagccac agcaagacc 288900  
 acccaagtag agtctgagct cagacatgcc tagccctgcc cccacctaag ggtccttccc 288960  
 aagccatcct ggtaactgaa gacaaaggc atataccctt gggagtcca aggcctacc 289020  
 cactgcctgt tctccccat actaccacag ctgatgctct cttgaaagca ccacctccg 289080  
 gcaggaggcc aaccagcaca aaaattgtgc attaatcaat caaagctaag gaccctcaca 289140  
 gagtctttt caccagtctg ccacctccac tggaggaagt actggtatcc acagctaaga 289200  
 gaccacaga tggttcacat cacaggactc tgtgcagaca accccagta ccagcccaga 289260  
  
 gcctgttaga cttgctgggt ggctagattc agaagagaga taacaatcac tacagctcgg 289320  
 ctttcaggaa gccacatccc taggaaaaga gggacagtac tacatcaagg aaacaccctt 289380  
 ttgaacaaaa ggaactgaac aacagccttc agctctagac cttcctctg acagagccta 289440  
 cccaaatgag aaggcaccag aaaaccaact ctggtaatat gatgaaaca ggttcttta 289500  
 catccccca aaatcacact agctctccag cattggatcc aaaccaggaa gaaatcctg 289560  
 atctacctga aaaagaattc agaaggatag ttattaagct aatcaggaag gcacctgaga 289620  
 aaggcgaagc ccagtgtgag gaaatcaaaa atatgataca aaaagtgaag ggagaaatag 289680  
  
 tcaatgaaat agacagcata aataaaaaac aatcaaaact tcgggaaaca atggacacac 289740  
 ttatagaaat gcaaaatgct ctggaaagtc tcagcaatag acttaacaa gcagaagagc 289800  
 ttcagagact caacaagca gaaaagcttc agaagacaag gtttcaaat taaccaatc 289860

caacaaagac aaaaaagagt aagaaaatat gaacaaagcc tccaagaagt ctggaagtat 289920  
 gttaaatggc caaacctaag aataatgggtg ttcttgagga agaaaagaaa tctaacatt 289980  
 tggcaactat atttggggga ttaatcaaga aaaatttctc tggccttgct agagaactag 290040  
 acatccaaat acaagaagct caaagaacac ctgggaaatt cattgcaaaa aggttatcac 290100  
  
 ctaggcacat tgtcatcagg ttatctgaag tcaagacaaa gaaaaaaaat cttagagat 290160  
 gtaaggcaaa aataccaggt aacctataaa ggaaaaccta tcaaattaac agcagatttc 290220  
 tccacagaaa ccctacaggc tagaagggtat tgggacccta tcttcagcct cctcaacaa 290280  
 aacaattatc agccaagaat tttgtaccc agtgaaacta agcttcataa gtgaaggaaa 290340  
 aatacagtat ttttcataca aacaaatgct aagggaattc gccactacca aagcagcact 290400  
 acaagaattg ctaaaaggag gtctaatct tgaacatat cctagaaaca catcaaaata 290460  
 gaacctcttt aatgcataca tctcacagga cctacaacaa aaatacaaca acaacaaaaa 290520  
  
 aaacaaggta tacaggcaac aaatagcaca atgaatggaa cagtacctca caactcaata 290580  
 ctaacattga atgtaaatag cctaaatgca ccatctaaaa gacacggaat tgcagaatgg 290640  
 ataagaattc accagccaac tagagacaca cttcaagag acacaaactt caagagacac 290700  
 acctaacaca taaggactca cataaattta aggtaaaggg aaggaaaaag acattccatg 290760  
 cgaatggaca ccaaaagtga gcaggggtag ctattcttat atcagacaaa acaacttta 290820  
 aagcaacagc agtttagaaa gacaaaggag gtcattatat aatgataaaa ggccttgtcc 290880  
 aacaggaaaa tatcacaacc ctaaatataa atgcacctaa cactagagct cccaaattta 290940  
  
 taagacaatt actaatagac ctaagaaatg agatagacag caacacaata atagtggggg 291000  
 acttcaatac tccattgaca gcactagaca ggacatcaag acagaaaggc aacaaagaaa 291060  
 caatggattt aaactatgca ctggaacaaa tagacttaac agatatttac aggacattct 291120  
 acccaacaaa tgcagaatat acattctatt caacaacaca tggaactttc tccaagatag 291180  
 actgtatgat aggccacaaa atgagcctca ataaattcaa gaaaattgaa attgtatcaa 291240  
 gcattctctc agaccagagt ggaataaaac tggaaatcaa ctccaaaagg aaccttcaa 291300  
 accaggcaaa tacatggaaa ttaataaacc tgctcctgta tgatcattgg gtcaaaactg 291360  
  
 aaatcaagat ggaaatttaa aaattcttca aactgaatga caatagtac acaaccttc 291420  
 aaaacctctg ggatacagca aaggcaacac taagaggaaa gttcatagct ctaaatgcct 291480  
 acataaaaat gtctgaaaaa gcacaacag acaatctaag gtcacacctc aaggaactag 291540  
 agaaacaaga acaaaccaaa ctgaaacccg gcagaagaaa ggaaataacc aagattcaga 291600  
 gcagaactaa atgaaattga aacaacaaca acaaaaaaga taagtaaaac aaaaacctgg 291660  
 ttatttgaaa aggtlaataa gattgataga ccattagcaa gattaacaa gaaaagaaga 291720

aagaaaatcc agataagctc aattagaaat gaaatgggag atgctacaac tgacaccaca 291780  
  
gaaatacaaa agatcattca aggctactat gaacaccttt atgcacataa actagaaaac 291840  
ctaaaagaga tggataaatt cctagaaaaa aacaaccac ctagtttaaa tcaggaagaa 291900  
ttagacactc tgaacagacc aataacaaac agcaatattg aaatggtaat aaaaaatta 291960  
ccaacaaaaa aaagtccgga accagatgga ttcacagcag aattctacca gacattcaaa 292020  
gaagaattga taccaattcg attgacacta ttccacaaga tagagaaaaa gggaaatcctc 292080  
cctaaatcat tctatgaagc cagtatcact ctaataccaa aaccaggaaa ggacataacc 292140  
aaaaagaca actacagacc aatatccctg atgaacatag atgctaaaat ccttaacaaa 292200  
  
atactagcta acigaatcca acaacacatc caaaagataa tctacatga tcaagtgggt 292260  
ttcataccag ggatgcaggg atggtttaac atacataagt caataaatgt gatacaccac 292320  
ataaacagaa tcaaaaacaa aaatcacaaa atcatctcaa tagatgcagc aaaagcattt 292380  
gacaaaatct agcatccctt tatgattaaa actcttagca aaattggcat acaaaggaca 292440  
tacttcaatg taataaaagc catctatgac aaaccacag ccaacagata ctgaatgggg 292500  
aaaagttgaa agcattctgt ctgagaactg gagctagaca aggatgccca ctctcaccac 292560  
tccttttcaa catagtactg gaagtcctag ccagagcaac cagacaagag aaagaaataa 292620  
  
agggcatccc aattggtaaa aaggaagtca aactgtcact gtttctgat gatgtgattg 292680  
tttacctaga aaaccttaaa gactcctcca gaaagctcct agaactcata aaagaattct 292740  
gcaaagtttc cagatacaaa aatcaacata cacaaatcaa tagctcttct atacaccaat 292800  
agcaaccaag ctgagaatca aatcaagaat tcaacctttt tacaatagct gcaaaacaaa 292860  
ataaaataat tacgaatata cctaaccaag gaggtaaaag acctctaca agaaaactac 292920  
aaaacgttgc cgaagaaat catagatgac acaacaaat ggaacacat cccatgctca 292980  
tggataggta gaatcaatat tgtgaaaatg accatactgc caaaagtaat ctacaaattc 293040  
  
aatgcaattc acatcaaaat accaccatca ttcttcacag aattagaaaa aaaaaatcct 293100  
aaaatccata cggaacaaa aaagagccta catagccaaa gcaagactca gcaaaagaac 293160  
aaatctgggc tgggagcggg ggctcacacc tgtaatcca gcactttggg aggctgagat 293220  
tggaggatca cctgaggica ggagtttgag accagcctga ccaacatgga gaaaactcat 293280  
ctctactaaa aaatacaaaa ttaggccagg cacggtggct catgcctgta attcagcac 293340  
tttgggaggc caaggcaggc agatcacctg aggtcaggag ttcaggacca gcctggccaa 293400  
catggtgaaa ctccgtctcc actaaaaaaa taaaaaatt agccaggcat ggtggcatat 293460

gcctgtaatc ccagctactt aggaagctga ggcaggagaa ttgcttgaac ctgggaggtg 293520  
gaggttgcag tgagccaaga ttgcaccact gactccagc ctgggtgaca gagcaagact 293580  
ctgtctcaaa aaaaaaaaaa actagccggg cgtggtggca catgcctgta atccagctac 293640  
ttgggaggcc gaggcaggag aatcacttga acccaggagg caagggtttt ggtgagctga 293700  
gatcatgcca ttgactcca gcctgggcaa cagagcgaaa ctccatctca aaaacaaaaa 293760  
aaaaagaaca aatctggacg catcacatga cctgatttca aactgtgcta taaggccata 293820  
gtcatcaaaa cagcatggtg ctggtataaa tataggcata tagaccaatg taatagaata 293880

gaaaaccag aaataaaccc aaatacttac agccaactga ttttcaataa agcaaacaaa 293940  
aacataaaga agggaaagga caccctattc aacaaatggt gctgggataa ttggcaagcc 294000  
acatgtaaga gaatgaaact ggatcctcat ctctcacctt atacaaaaat caactcaaga 294060  
tggatcaagg acttaaatcc aagacctgaa actagaaatt ctagaagatg gctttggaaa 294120  
aaccttctta gacattggct caggcaaaga ttcatgacc acgaaccag aagtaaatgc 294180  
aataaaaaca aagataaata gctgggactt aaacaaaaga gcttttacac agcagaagga 294240  
acagtcagca gagtgaatag acaaccaca gaatgggaga aaaatcaca tctatacatc 294300

tgacaaagga ctaataccca gaatctacaa tgaactcaaa caaattagca agaaaaaaaa 294360  
caaacaaggc cataaaaaag tgggctaagg ccatgaatag acaattctca aaagaggata 294420  
tacaatgga caacaaacat atgaaaaaat gctcaacatc actagtgatc agggaaattc 294480  
aagtcaaaac cacaatgcaa taccacctta ctcttgcaag aatggctata atcaaaaaat 294540  
aatagatgct ggcgtggatg cagtgaacag ggaacacttc tacgctgctg gtgggaacat 294600  
aaactagtaa aaccactatg aaaaaaagt tggagattcc ttaaagaact aaaagtagaa 294660  
ctaccatttg atctaagcaa tccactact gggatatctt ccagaggaaa agaagtcact 294720

aaaaagatac ttgcacacac atgtttatag cagcacaatt tgcaattgca aaaatgtgga 294780  
accaacccaa atgcccacat atcaagaat ggataaagaa actgtgagat atgtatatat 294840  
agatagatag atgatggaat actactcagc cataaaaagg aatgaattaa tggcattcgc 294900  
agtgacctgg atgagattgg agactattat tctaaatgaa gtaactcagg aatggaaaac 294960  
caaacatcat atgttctcac ttatatgtgg gagctaagct atgaggatgc aaaggcataa 295020  
gaatgacaca atggactctg gggactcagg cagaaaagggt ggggaagggg tgagggataa 295080  
aagatcaca attggtgga gtgtatactg ctcggtgat gggcgacca aaatctcaca 295140

aatcatcacc gaagaactta ctcatgtaac caaacaccac ctgttccca ataacttatg 295200  
gaaataaaaa atttaattaa aaaataaact tctaagaaaa aaatctaaaa aaaaagctag 295260  
ttgtttcaaa ttcaaacag aatttgagat tccctgggaa agtttatgtt ccataaaata 295320

aatatTTTTg tcaatcaggT taccactaaa tctatcatta aatctttgtt catttgaata 295380  
tagcagagtt taaattttta aagagtcttc tatgggtttc agcaactggg cagactgaga 295440  
tgttcagact cccctcaatt agcaacacat agaagtgatg gctaaaatat aacccccaaa 295500  
taaacttaac tacatagtTg ggtattgata aaacattaga aatgtacatc ttaagtgcc 295560

gacatgaaac agggactcaa agccagagat gtgcctgaag aagccaatgc ctTggTtctg 295620  
gaaggcaggg ccaggagaga aggcatagaa aaccaagtcc aggaacacac tttctccttt 295680  
acaggagacc cagagggag ggtagaatgg ttcccatata catgggaact ggatatgtga 295740  
cagagatcac ccgtcacatg taaaaatcag aagaaaaagg atggaaccac caattaatgc 295800  
caatagtgt 295860  
ccataaaca aatatctgca gcactgtgac atgctcatga tggccatgac gccacgctg 295920  
gaaggtgtc agtttacaga ataagggcaa gcaacacctg gccacccaa ggcagaaaac 295980

cacttaaggc attcttaaac cacaacaat agcatgagtg atgggttcct taaggacatg 296040  
ttctgtctgc agttaactag ccagagccca tctctttatt ttggcccatc tctttgttc 296100  
cggtaaaggaa tacttttagt taatctataa tctatagaaa caatgcttat cactggctta 296160  
ctgtcaataa atatgtgggt aaatctctgt tcagggtctc cagctctgaa ggctgtgaga 296220  
ccctgaatt ccctctccac atgctatatt tctgtgtgtg tgtctttaat tcctctagca 296280  
ccactgggtt agggcttcca tgaccgagct ggtctcagca aatgatgcc atacgtggg 296340  
ctcaaacca ggtcgaaggg tcatTggagT gatggttga gaacgtggaa ctaagctgga 296400

ggacacctga gtactctttt tttttttga aatatttaa gaggtttatt ctgagccaaa 296460  
tatgagtgc caaggcctgt gacaaagccc aaggagtcc tgagaaactg tgcccaaggc 296520  
ggttggttta cagcttggtt ttatacttt gaggaggaca gaagttacag gcagacatca 296580  
atccagaaag gcgggacaac ttgaagtga tggggaaggc acagggtctg gaggggtcc 296640  
aagtcacagg tggagtcaa gattttctga ttggcagtta gttgaaatca ttaagttatt 296700  
atctaaagac ctggaatcaa ggccgggtgt ggtggctcac acctgtaatt ccagcacttt 296760  
gggaggccaa ggtgggtgga tcacttcacc tgagtatctt aagcaatccc catggtgagt 296820

aagaaggga gcttgaagc atcagggtaa caatgggaca actgtgggct ctggttcatt 296880  
ccatcttga acctttcac actgatgatg aggaggaagg agagtataat gaagtaacag 296940  
aagaagtaac agagcagatt tgtttgccag ctaaagctaa agcggaagagg 297000  
ttcatcccta cctttctgca tccctcatt attttgaaga aaaagagtgg cctgaccctc 297060  
cagatctttc ttttctggag gacactgggc aaaaagtagt tgccccagta actgttcgag 297120  
cagcaccttg agtgaccact ctcagttcta ttcaggcagg aattcagcaa gctaaacgaa 297180

aggatgattt agaggcttgg cagttccctg ttagcataca ccccccaat caacagggaa 297240

atatagctac attttagcct tttcctttta aattcaggaa atgccatgca gggcccatcc 297300

tgggccccgt tccaaactgg ggcatttcca gctcaggcca ctcctcacc cctatacaat 297360

atttgcctcc cgccacagcg ccacagccag tagtactgca gtagattgat actgcacaaa 297420

agctatgagt cttctgccta gggaaccccc acaaaaagtc ccaacaggag tctgtggacc 297480

cttgccagcg gggatgatag gattacttct aggaaggtct agtttaaatt taaaaggggt 297540

acaagtacaa agaggagtca ttgattcaca ttacaatggg gatattcaaa ttgttatatc 297600

tacttcggtt ccttggaana cagagccagg agagcctata acacagctcc tgattgtgct 297660

glatgtggaa atggggaaaa gtgaaattaa atgaacagga ggatttggaa gcacaaatca 297720

ataaggcaaa gcggcttatt gggatgaatca aattcctgat aaacatccta cctgtgaaat 297780

aactattcaa ggaaagaaat ttgaaggttt ggtagataca gaagcagaca tttaatcac 297840

ttctctacag caccagccgt ccacgtggcc aattcaacc gctcaattta atgtagctgg 297900

agtttgtaaa gcccttgaag tataatcaaag tagttatatt ttgcactgtg aagggcctga 297960

tggacaacct gggaatatc aaccaattat aacttctgta cctataaatt tatggggaag 298020

agatttatta caacaatggg gagcacaagt tctaattcta gaacagttat atagccctca 298080

aagtcaacat atgatgcatg aaatggaata tgcctcgtt atgggactag gaaaaattt 298140

gcaaggtttg aaggaactgc ttcaagcaga aagacaaagt tcctgccaag gttgaggata 298200

tcatttttga tggcagccat tgttaagcct ccagaatcta taccttttaa atggttaaca 298260

gataagccaa tttagataga acaatggcca ctaagtaaag agaaactgga gactttgaag 298320

gaattagtta atgaacaatt agaaaaagga cacatagctc caatattttc cccttggaa 298380

tctccagttt tcgcaattaa gaaaaaatca ggtaaatgga gaattgtaac tgattcaaga 298440

ggcattaatt cagttatata acctatgggg acattacagc cagaattgcc ttctccttct 298500

atgattacaa aaaattggcc tttaatagtc atggatgtaa aagattgttt ctttactatc 298560

cacttagctg agcaagactg tgaatggttt gcatttaca ttctgcagt aaacaacctg 298620

cagcctgcta agtggtatca ttggaaagtg ttgccataag gcatattaaa cagttcaaca 298680

atttgccaga cttatgtagg gcaagcaatt gaacctactc gtaaaaaatt ttcacagtgt 298740

tacattatc attatatgga tgatatactt tgtctgcct ccactcaaga aatattactc 298800

caatgttatg atcattgca aaattcaatt tctcgtgctg gcttaattat agctcctgac 298860

aaaattcaga ctgctactcc ttactcctac ttggggacct tagtaaatga tattaccatt 298920

gtgccacaca aagtagccat atgtagggat caattggaaa cattaaatga ctttcaaaaa 298980  
 ttactagggg acattaattg gatatgacct gctctaggca ttcctaccta tgccatgagt 299040  
 aatctatfff ctatccttag aggagatcct agtctcccta gccttggcaa ttaacaaaag 299100  
 aagctcaggc agagctgcag ctaatcaaaa agcaagtcga taaagctcaa ataaattgaa 299160  
 tagatccaga gaagactcta gatttgctaa tttttccaac tcagcattca cctactagta 299220  
 ttattgttca agagcaagat cttgtagagt ggctttttct tccacatact aattcacaga 299280  
 ctctaactct ttatttggat caaacctga ctatgatagg aaatgggaga actcagattg 299340

ttaaattaca tggatatgat cctggaaaaa ttattgtccc tcatgaaggc acaaatagag 299400  
 caagctttta taaatagctt tactcattaa acccatttag ctgactttgt gggatattctc 299460  
 gataaccatt ttcttaaaac gaaactgttt ccatttttga aattaactaa ttggattttc 299520  
 cctaaaaata ctaatttaaa ccaattgaag gtgctaagaa tgtttttaca gatgggtcta 299580  
 gtaatggtaa agcttcttat tctggatcaa aaggtaaagt tttccaaatg ctctatactt 299640  
 cagcttagct gtaattgagg tattcactgc ttttgatatg cctattaatg tgatttctga 299700  
 ttcttcacac gtggttcatt ccacacaatt aatgaaaat gctcagttat gatttcatac 299760

agatgaacaa ctgatgactt tctttactca attgcaaaca gcagttaaga gtagaatgca 299820  
 ccttttttgc tgggtgcagt ggctcatgcc tgtaatccca gcactttcgg atgctgaggc 299880  
 aggcagatca cgaggtcagg agatcaagac catcctggct aacacggcga aaccccgctc 299940  
 ctactaaagt acaaaaaatt agccaggcat ggtggcgggc acctctagtc ccagctcctc 300000  
 aggaggctga ggcaggagag tggcgtgaac ccaggagggtg gcgcttgag tgagccgaga 300060  
 tcataccact gcactccagg ctgggcaaca gagcgagact ctgtctcaaa aaaaaaaaaa 300120  
 gaatgcacc tttttacatc actcacatta gggctcatc acctcttcg ggacttttga 300180

ctgcagggaa tcaaatggct aatgccttag ttgctaattg aatatcta gtagacact 300240  
 ttcacaattt aacacacgtt aatgtctctg gtctcaaaca cagatacagc attatctgga 300300  
 aagaagctaa agctattatc cagcgtatgc caacttgta aatgtacat tctctatctt 300360  
 ttacaggagg agttaatcct cgaggattgg aacctaactc tctttggcaa atggatgtca 300420  
 cacatgttcc ctgttttggg agactagctt atgtacatgt atgtgtggac accttttctc 300480  
 actttgtctg gactacatgc caatcaggag agtcttctgc ctgtgttaaa tgtcaccttt 300540  
 tgcagtgttt ggtggtgatg ggcattccag ctctatttaa aacagataat gccccagact 300600

atactagcca agctctagct acatttttct ctgtatagaa tattaaacac attcctggta 300660  
 tcacataata ttctcaaggg caagccatag tggaaagaat gaatctctcc ctgaaacagc 300720  
 agttacaaaa acaaaaaagg gggagaaata gtgactatgg gacatccca atgcaactga 300780

atctagcatt aataatttta aatTTTTga gcctgccgaa aggcaagatg ctatcagaag 300840  
ctgaacagca tctacagaaa ccagctgcaa agacagaggc agaacaactc atttggtgga 300900  
gagatccgat aacaaaaagt tgggaaatag gtaaaataat aacttggggt agaggttatg 300960  
cttgtgtttc tccaggacca aatcaacagc caatttggat atcatcagga cacctgaaac 301020

cttatcatga gccagatgcc gaggaagaga ttccgggagg atcctgagga cccccagtt 301080  
acagccatgt tgagactgac actgagaagg acccagctg tcacgagcag cacctgtcga 301140  
acacagccac ctacctgggg acagatcaag aagctgtcac agatggcgga agaaaacctg 301200  
aggaaagcgg gacaaccagt cacaatgagt aacttaatgg tagctatgat agcgggtatc 301260  
accattgcc a tgagtattcc ttcaacaagg gctgacacag agaataatta tacttattgg 301320  
gcataattat caatcttggc tggcaataat gcctggatgt aatcacttta tgacagttac 301380  
acatgctttc tgggtctcagt atttaccata ataaatctac tcctataatt gaggcatacc 301440

gccctcaaaa acttatttgt aaacaggatt ggacccagtt agaaataatg aatgtacttg 301500  
tttggaaga ttgaattgca gaacaggcag aggtgctgtg caacgattcc tatggaatca 301560  
ttattgattg gtccctaag gggacattta gcttaaatag cacctctcag tctgcatgcc 301620  
acggccacac taigtctcagc tggctgaac aaaatggta gatggtagaa atggtaggaa 301680  
gtacagcaag agttctatt atctggaaac atagcagtat agtgacacct caacctcaaa 301740  
tgatatggcc cgtttaggc cacatgctat atttctgtgt gtgtgtcttt aatttctcta 301800  
gtgccactgg gttagggtct ccacaaccga gcttgtcttg gcagtgtaat tgattaacta 301860

aaaaaataat aaaattagat ctctatctca taccataccc aaatatagat tccagatagg 301920  
tcaaaaatac aaatgtaaaa atcaagtctt tcacagaaca tgtaggagaa tcttttttat 301980  
ggcatttgggt tagggaatta tttcttaagc acagcatgaa aagcacacag aacaaaagag 302040  
ggtttgggac acctagtgtg gttgattgta cccctgtgaa aatatitgct gccctccct 302100  
cccaggctaa cctgcgggag atttatgcc ctacgccaag gtcacttgct tcagcaacaa 302160  
aatgtgacta taatgtgata ttgaacaga agctttaaaa gccctctgt gggctctgtt 302220  
tctctctttt ctgtcacaag accaccatgt ccaagatatg tgctgcatct tcagctgcag 302280

tccctggagt gaagatgatg tggaacagag cctgtcaacc catgtgaatg tgaacaagaa 302340  
aatatgtcag ttgcagcaaa ctctgaaatt tgggagtttt atgacctgg cgtgattcag 302400  
cttaagttga ctgagatgat ggctacattc aaattgttaa ccaaaaatta tagaaggcca 302460  
ctgtattgaa gcgggcctca cagtaggccc caacagacca aaccaaatac gaatggagtc 302520  
atttgtgcca agtgtgcgat aatcaaattg aattcttaaa ttgtccagtt ttcacaaaaa 302580  
acaagagatt cacagcaacc agttaaagat ggttgacttt gcagagaaag ataaggaaat 302640

aaaatagggt gaggggtttc actgtgtctc cagtgtatat ttcttttaaa aatgtttttg 302700  
  
 aagcaaaaat ggccaaagca atcttgacat ttcttaaate aggtgatgta tagagacaat 302760  
 gtgttatitta cctgagccct gttatcctgg aaaacagcat tttgtttgt ttgtttgttt 302820  
 gtttttgaga cggagtttcg ctctgtcacc aggtctggagt ggagtggcgc aatcttggct 302880  
 cactgcaacc tccgctccc gggttcaagc gattctcttg cctcagctc ctgagtagct 302940  
 gggattacag gcatgtgcca ccatgcccag ctaatttttg tatttttaat agagacaggg 303000  
 ttccaccagc ttggccagga tggctctgat ctcttgacct cgtgatccgc gcacctcggc 303060  
 ctcccaaagt gcgggaatgg caggcgtgag ccacggcacc cagcctacca ttgtttaaag 303120  
  
 aagtccccaa taccaacct tttgtgttcc agaaactggc ttactgaaaa aaaccaagag 303180  
 tccccatata aattagagaa gactcataga tgtgccctt gcttaccttg caacgaggcc 303240  
 agatacagac attctaaatt cccattcttt gctcataaaa tgattagctg aactgcttgc 303300  
 cccgccggtc ggccagaaca aaatgcttgc taaccagaaa ctttgcttta gcttctctcc 303360  
 ttttcccagg tccctgaatt ttggtcagcc tacaactct ccttaaacce tctgagaat 303420  
 aggtctggctc caagtaaaa cattctctaa cctactatct gatattgcta cgctttctc 303480  
 ctgcttcccc atacctgggt ttgtctagcc ttgtacttc tctctgtaa agaaaatcct 303540  
  
 ttttttgcct acctcttgag atgcttgcat atattatggt caaaacattc tccctattgc 303600  
 aagagtcctc ctccccctat tgcaatagtc cctttgacca cttcgcaata atcctttcaa 303660  
 ataatggctc tcttactaa gtctgggttt tttatttgac aataggggta taggcatact 303720  
 tttatgcatt ttgaattatt ttataatatg aaccagatct tgaagagctt attaaataga 303780  
 aaaatagtca ttctaaaag gtgaaacaga atagtttttt caaaatgtcc tgatgatata 303840  
 agtgtgaaaa taacaaagca gttgggcatg gtggctcaca cctgtaatcc cagcactttg 303900  
 gaaggcccag gcgggtggat cacttgaggt caggagtttg ggatcagcct ggtcaacatg 303960  
  
 gtagatcccc atctctacta aaaatacaaa aattagccag gcgtggtggc atgcacctgt 304020  
 agtcccagct cctctggagg ctgaggcagg agaattgctt gaaccagga ggcagaggtt 304080  
 gcagtgagcc aagatcatgc cactgcactc cagcctgggt gacagagtga gactccatct 304140  
 caaaaaaaaa gaaaagaaaa agaaggaaaa taacaaagca acagaactca actcatagca 304200  
 actgtgtagt agaggtagga ttagaattcc caattgacca ggctggctcag gggattcata 304260  
 agaaatacaa atgaagaaag tgggaatgtt aaatctggga aagcaaagac tcagaggggc 304320  
 agagaagctg ccttcagata tatgaaggct tgttatgtgg cttgttatga aggcttgta 304380

tgtgggaaat ggcatagaag gtttccacat gttgccatta gaattgtgat caattctagc 304440  
tacttgggaa gctgaggtgg ttgtccctt gagccttgag ccctatgac gcaccactgc 304500  
actccagcct gggtagacaaa gcaagttttt tgtctcaaaa aaacaaaaca aaacagaaca 304560  
aaaagaattg tgatcaataa atggaagcctt cagaaggcctt cagcagaatc taatgaagaa 304620  
tatctaagtt gtccaaaggt ggaatgggct accttgcaag tctggagtgc ctccccagta 304680  
ccagtgccea gacattatct gtatgcacac taagaacaag agtatgggc aggttgttgg 304740  
accaggaaac cagacagctc ctggattcia tggttctgtc tagtagataa tgcagaaaac 304800

acttgaatga actttaagaa ccaggcaatc actcactgcc aagattttcc aattgccaat 304860  
actttccaat ttcatcaagc ataagtagca gaaagaggat agtaaatacc tcctactatg 304920  
gttatttata tatgcaaaaca aatacatgta tgctttaata attttttaaa gggggcaaaa 304980  
gctgaaacca tcattaagag aaagaagcca ttctttcacc aggatgtgcc caaagaaaca 305040  
aaaagaattg taattcccaa ataccagata tagcttattc ttctgtcttt gatggggctg 305100  
catccatttg agagattttt ttaagactaa gaggtaaaga caattgtaaa atatgtaaat 305160  
tcaccaaaga agtatttgat gactgagaat tgcatagggc aatgaggctt ttcttaaaag 305220

ccatagcaga aaactctgga tataatcaatc aatccaacat aatctagaca atacaaggtt 305280  
ctggaatagc aaaagaaaat gatagctgat ttaagattta agcaaatcct ttagacaaaa 305340  
agtaaacact gctttgcagc tttgtttgtt agctacttcc ttattccagc ctccatgacc 305400  
atgaaagtca caaaaggggg tataattata ttccacagaa gctgttctta ttctaaatcc 305460  
acccttaata taaagcagcc aacagaggaa attatatatta ataaggcatc tggttcttaa 305520  
atgaagatgc atccattttt tattctaaaa taattttaat ttagtttgta actgaaacat 305580  
gaagttgatg tcatttggaa ttctctgtcc cagagaatta tggttataga gaaaataaca 305640

gtattggaat atttttatca tacaagattg tgtttttatt taaattggga caagtctgaa 305700  
tagatatatt aacatttatg tcttctagga gagttaaac tctttttatt cataaaatca 305760  
tgtttgatatt aactaaaata aatatgtgct ttcttatatt gtcttcttat tttaatatatt 305820  
acctatttcc ttatcttctt aattcattaa ttttctcata cctctttctg ttaaatataa 305880  
tttatttgcc ttgttcccat ttcatctccc ctatttttcc ttcttttttg ttttttcatt 305940  
ctatatcttg ctacttcttt attctccctt tgcagccaaa gggattcata actgtttaat 306000  
accaagggaaga gaattgaat gttagggtgaa tgtattgctt tgcatgtaga agacaagact 306060

ttcttatatt tctttttaaa aaattattat acaagatagt taaaagggtga tgtgaaaaat 306120  
aataaaggaa ttccaaaata aaccaaacca aaagtcagggt gactcaaat caagaaatta 306180  
agattagtag ccaaaactac ttacaaaac aaatccagtt ataagtttta ttcttattta 306240

aatatttact ggcatgtgat tgctaacgaa gaattaggct gggcatgggtg gctcacacct 306300  
glaatcccag cactttggga ggctgacgtg ggtggatcac aaggtcagga gttcaagacc 306360  
agcctgacca atatggtgaa accccatctc tactaaaaac acaaaaatta gctgggtgtg 306420  
gtggcacgtg ccigtaatcc caattactca ggaggctgag gcaggagaat tgcttgaacc 306480

caggaggtgg aggttgcagt gagctgagat catgccattg cactccagcc tgagcgacac 306540  
agcaagactc tgtgcccc tgcaaaaaaa aaaaaaaaaa aaagaattaa actagtacat 306600  
atagtacaat tgcaataaaa atgtgatcat atggagaaat tatcattaag gaaaaaagtc 306660  
ttatttcgta agtgtaaac tgatgtattc ttacaaaata agagataaac ccatgaaaac 306720  
tgaatcta atggatgctgaa cacaaagcca tcattttctca aaataattgg cctctcatgt 306780  
tttccttaaa ttaaatacaa ttgcctggat ttatatgtga aaacagaaa tacattttac 306840  
agtttaaaagt aattatataa aaatggttgt ttctgaaaa tataaaacat ttacatgtt 306900

atcactgttg ttatgtatc catacttcag attttgtgaa gatcaaatga agtacatttg 306960  
caagcatgct gaaacatagt tggcttaatt aaaatgcctg aaagatattt ttgcctgca 307020  
gcaaaaattg ttacttaatt actataatgc atctgctatg ttttcctttt ttttcaacaa 307080  
agagaacccc aggtgatttc tgtgtacctc tttaatatga aatcagagat gatgactgta 307140  
gaaactgaat gtataagtaa aatactgaaa ctacagcgtaa ccaaaaaatg ttgtctttta 307200  
ataaaattac agtcatttgc tttttaagag tttaggggtt ttgtttagt tattgaaaaa 307260  
atttcatacc aacattcatc aggaataaac caattgccat aataaactga ttacatgtac 307320

caaattgagt tatagttcag aagactaaaa ttcacatcat atcaaatctt aatattattt 307380  
cagctgattt aatctttaaa ttgatgaaca tttcaagtta aagagttttc tgtttgaaaa 307440  
ataaaacatt gagaagcaca caaacatttg ataataaaat tttatttttag ttcatttaaa 307500  
tgcttttatt cagtagattg atattatgta ttctacaatt ttactttcct acaaagtttt 307560  
taaactagta agagcaattc taagtggat ttatggatct tgttaagaga tcttcaaata 307620  
ccgatgtgaa taattatcca tttgtgaaca tctaagaaaa gtagtttgac actggattca 307680  
cacaataagg tttaaaaaaa aattacagac tacagaaaaa agacaaagct gtgaccagcc 307740

tgggcaacat ggcaaaaccc catctctaca agaaatacaa caaaattagc agagcatgat 307800  
ggtgcacacc ttagtccca ctacttggga ggggtgggtggg aggtacatt gagccaggca 307860  
ggttgagcct gcagttagct gtgatcacac cactgcatt cagcctgtgc aacagagtga 307920  
gaagcaagat cctgtctcca aaaaaaaaaa gttgcagagt agaaagacaa gataagattc 307980  
tgaaatgtgt aaactcatca tacaataaac tgtatagggg tgaggcagga aaatagggtc 308040  
tggaggcagg ggaacataag gtcaattcac actacagctg taacagaaa tattctctcc 308100

acagggtgta tactgtaaat gactttgtaa ctctacttca tcctcttcat ttacacaggg 308160

cgtaccccag ggagagggtta tttaaactca caaaaactct gtaacaggcc ttttgagccc 308220

ctatgctcag gcctgctccc acagtgtgga gtgtactttc attttcaata gaacctttca 308280

ttccttccctt gctttgtttg tgcattttgt ccaatacttt gttcaagact ccaagaacct 308340

ggacactctc cactgttaac agggggagaa aatattacct gttatttttc agatgaaata 308400

atgtcatttc tgattcactt atatttgaaa ataaaaatgt ttccttagtt ctatttagga 308460

cctgcaaaaa tgaaattttt ctaaaaattt ttgcttagaa attgtggctc taaaatatgt 308520

tgaagccaca aatactgtat ttctagtgg aggtcaaagc agggtttatt tgaacagata 308580

tcacatatcg accttaggga aagtiacttt agagcagcag gatigaattt tcaaaaagag 308640

gaaatgaatg acctactgtg aaggttctct gaattaccaa aaatttcatt caaaatagat 308700

tgagtataga aaggtttttt atttaaaaag aaaaaattct gggaactaaa ggcagaaagt 308760

acagtaagat ttacatagct gagtccaaga attggaaaga gattaggaaa tagtctctct 308820

cttctccag cccagccta attttctctg ctactcacat agaggcccaa acactgtgac 308880

tcctatttc agcaaatca ccaactcatg tgcctttctg tatcccaatt ttaaaaccgc 308940

attagagaaa atctaaactg gttcaacca gacaacactt tggctctcct tggttcta 309000

gtccactagt ccactagctg aggtcaggga ggggtagaaa tttgtaatat gtctgtgact 309060

acagaaaatc attcttcttt gagaaaggaa agttccaga gaagttaggt gattccagca 309120

gccagcaatg ctatctctc caggcatgag agtctagctg gacgtgtgg ttcatgcctg 309180

taatctcagc actttggaag tctgagatgg aaggatagct taaggccagg agttcaagac 309240

cagccctggc aacatagtga gactttgtct ctacaaaaa aaaaagaatt attaacaact 309300

tcgtcccaca tacatttcca cgcatatata tgtactttgt tattcacaaa tgggatcatg 309360

caccacatgt aacttagcaa ctgtcttttt aaagaaaact ttacagtgtg tcatgtatat 309420

attccaaca gggtttcagt tttattcatc ttggatact ttggcatat cattggtgca 309480

caatttttat ttgttagaaa tgaataaagt agctataaac ttacatttga ttatttttat 309540

ggttaatatg gaaagtctta aaagtattg ggagcaatct ccagagatga atcagtatta 309600

atagcttg tatatacatt aattgagaca tcctaagggtt gaatccatag tgttgaaatt 309660

aatacatggc tttaaaaaaa attacctatg ttatatcat aaaatgaaac tcaaatgaaa 309720

tatttaaatt ggagttacta ttaacacaga cttatccatt gtcctccaaa agcatagaga 309780

ggtccgaaag ttattcagca ctttcaatta taaattgtct ttggcaaat acactgagaa 309840

aattttcaca caccaaaccat tattctacca gtctctgaaa atgttaattt ttttcttcat 309900  
catcatactt aaccacttca acccactgca cccagttta gtttacaag ctagaaaatg 309960  
agctgaagga aaagtactga ctagcagcta atataaagtg agcattccag agaagcttga 310020  
ctggccatat aaatgaagga attaataaat gagtgaactg tcaggcctct gagcccaagc 310080  
taagccatca tatccccgtg gacctgcaca tatacatcca gatggcctga aataactgaa 310140  
gaatcacaaa agaagtgata tttaaatggc ctgttccctgc cttactgat gacattccac 310200  
cacaaaagaa gtgaaaatgg ccggctccttg ccttaaatga tgacattacc ttgtgaaatt 310260  
  
ccttctcctg gctcatcctg gctcaaaaag ctccccgact gagcaccttg tgacccccac 310320  
tcttgccctgc cagagaacaa ccccttttga ctgtaatttt cctttagcta cccaaatctt 310380  
ataaacggc cccactccat ctctcttcac tgactctctt ttcagactca gccacactgc 310440  
accaggtga ttaaaaagct ttattgctca cacaaagtct gtttggtggg gtctcttcac 310500  
acagacacaa gtgaaatttt ggtgccatga ctcgatcag gggaccttcc ttgggagatc 310560  
aatccctgt cctcctgctc ttgctccat gagaaagatc tacctacgac ctcggtcct 310620  
cagaccgacc agcccaagga acatcacacc aattttaaat ccggttaagt gcttcttttt 310680  
  
actctcttct ccaacctctc tcaatctcc tcaacctctt tctcttttca atcttggcgc 310740  
cacacttcaa tctctccctt ctcttaattt cagtctcttt ccttctctcg tagagacagg 310800  
agacacgttt tatccgtgga cccaaaactc tggcgccggg cacggactcg ggaagacagt 310860  
cttcccttgg tgtttaatca tgcggggatg cctgcctgat tattcacca catttcagag 310920  
gtgtctgacc acatggggac gcctgccttg gtccttcacc cttaacggca agtactgctt 310980  
ttctgggggg caagaacctc ccaacccctt cttcacctt agcggcaagt accgcttttc 311040  
tagggggcaa gaacccccca ccccttctct ccatgtctct actctctctt ttctctgggc 311100  
  
ttgcctcctt cactatgggc agccttcacc cctccattcc tcttctccc ttagcctgtg 311160  
ttctcaagaa cctcttcaac tcacacctga cctaaacctc aacgccttat tttcttctac 311220  
aataacgttt ggcccccaata caaactcgac agtgggtcca aatagccaga aaacggcact 311280  
tttgattttt ccatcctaca agatctagat aattcttate ataaaatggg caaacggtec 311340  
gagatgcctg acgtccaggc attcttttac acattgttcc ctccctagtc tgttaccat 311400  
gtgacttate ccagatctc cttcttttct tcccactgt cccctcagtc ccaaccccaa 311460  
gcattgctga gtctttctaa tcttctttt ctacagacc atctgacctc tctgctctc 311520  
  
accaggccga gccaggctcc aattcttct cagcttctgc tccccacc tataatcctt 311580  
ttatcacctc cactcttcc acccagteca gcttacagtt tcgttctgtg actagccttc 311640  
ccccaccagc ccagcaattt cctcttaaaa aggtggctgg agctaaagc atagtcaagg 311700

ttaatgctcc tttttcttta tctgacatct cccaaaatca gttagtgttt aggctctttt 311760  
tcatcaaata tgaaaaaccc agcccagttc atggctcatt tggcagcaac cctgagacgc 311820  
tttaaagccc tagaccctga aaggtcagaa ggccgtctta ttctcaatat gcattttatt 311880  
ttattacca atctgttctt gacatgaaat aaagctccaa aaattaaatt ctggccctca 311940

aacccacaa caggacttaa ttaacctcac ctttaaggtg tacaataata gagtagaggc 312000  
agccaagtag caatgtatit ctgagttgca attccttgcc tccactgtga gacaagcccc 312060  
agccacatca ccagcataca agaactccaa acgcctgaac cacagctgcc aggggttctt 312120  
ctagaatctc ctccccagg agcttgctac aagtgcaga aatctggcca ctggaccaag 312180  
gaatgccac agcccaggat tcctcctaag ccatgtctca tctgtgctgg accccactga 312240  
aaatcagact gttaactta cctggcagcc actcccagag cccctggaac tctgacccaa 312300  
ggctctctga ctgactcctt cccagatcct ctggcttag cagctgaaga ctgacactgc 312360

ccgattgcct cagaagccta caggaccatc acagatgctc tagataactc tcacagtgga 312420  
gggtaagtc atccccctt taatcaatac agaggctact cactccacat taccttattt 312480  
tcaagggcct gtttcccttg cctccataac tgcgtgggt attgacagcc aggtcttctaa 312540  
atctcttaaa actccccaa tctggtgcca atttagacaa tactctttta agcactcctt 312600  
tttagttatc cccacctgcc cagttccctt atcaggccaa gacacttta ctaaattatc 312660  
tgcttccctg actattcctg ggctacagcc acacctcatt gccacctttt ctcccagttc 312720  
aaagcctcct tcacatcctc ccttgtatc tccccactt aaccacaag tataagatac 312780

ctctactctc tccttgggtga ccgatcatgt acccctacca tctcattaca acctaatac 312840  
ccttaccctg ctcaacgcca atatcccatc ccacagcacg ctttaaaagg attaaagcct 312900  
gttatcatt gcctgttaca gcatggcctt ttaaagccta taaactctcc ttacagttcc 312960  
cccatittac ctgtccaaaa acctgacaag ccttacaggt tagttcagga tctgcacctt 313020  
atcaacaaaa ttgttttgcc tatccacccc atggtgcaa acccgatatc tctcctatcc 313080  
tcaatacctc cctccacaac ccattattct gttctggatc tcaaacatgt tttctctact 313140  
attcctttgc acccttcgtc ccagctctc tttgctttca cttggactga cctgacacc 313200

catcaggctc agcaaattac ctgggctgta ctgccgaag gcttcacgga cagcctccat 313260  
tacttcagtc aagcccaaat ttcttctca tctgttacct atctcgcat aattatcata 313320  
aaaacacag tgctttcccc accgatttg tccaactgat ctctcaaacc ccacaccttc 313380  
tacaaaacaa caactccttt ccttctagg catggttgga tactttcgac tttggatacc 313440  
tggttttgcc ataacaaaac cattatataa actcataaaa ggaaacctag ctgaccccg 313500  
agatcctaaa tcctttcccc actcctcttt ccattccttg aagagagctt tagagactgc 313560

ccccacccta gctttccctg actcatccca acccttttca ttaccacag ccaaagtga 313620

gggttgtgca gtcggaattc ttacacaaga accgggacta cgccctgtaa cttttttatc 313680

caaacaactt gaccttactg ttttgcctag ccttcaagtc tgtgtgcagt ggccaccact 313740

gccctaatac ttttagaggc ccttaaaatt acaactatg ctcaactcac tctctacagt 313800

tctcataact tccaaactct atttttcttc tcacacctga cacatatact tttctctccc 313860

cggctccttc agctgtactc actctttgtt gagtctccca caattacat tgttcttggc 313920

ctggacttca atccggcctc ccacattatt cctgatacca cacctgagcc ccatgactat 313980

atctctctga tccacctgac attcacccca tttccccata cttccttctt tctgttct 314040

caccagatc acacttgggt tattgatggc agttccacca ggcctaactg caacacacca 314100

gcaaaggcag gccatgctat agttcaagcc actagcctgc ctcttagaac ctctgatttc 314160

ctttccatcg tggaatctta ttctcaaaga aataacttct cagtcttcca tctgctattc 314220

tactactcct cagagattat tcaggccccc tcccttcctt acacatgaag ctccaggatt 314280

tgccctgcc caggaccggc aaattagctt tactcaacat gccctgagtc aggaaactaa 314340

aatacctctt ggtcttggtg gacactttca ctggataggt agaggccttt cccacaggat 314400

ctgagaaatg acccaccag gtcatttctt tcttctgtc agacagaatt cctcggtttg 314460

gccttccac ctctatacag tctgtgaagg gaccggcctt tattagtcaa atcacccaag 314520

cagttttca ggctcttagt attcagtga ctaatggtct tttaaaacca caccttacca 314580

agctcagcca ccaacttaaa aaggactgga caatactttt accacttgcc cttctcagaa 314640

ttcgggcctg tcttggat gctacaaggt acagccatt tgagctcctg tatagacgt 314700

cctttttatt aggccccagt ctcatccag acactagacc aacttgact gcaccccca 314760

ccaaaaaaa aaaaaaactt gtgtcccta ctatctctg tctagtcata ctctattca 314820

ccattctcaa ctactcataa atgccctgtc cttatttaca ctgccgattt aactgtttc 314880

tccaagccac cacagctgat gtctctggt gctatccca aaccgccact cttactccc 314940

tcttaaagta aataaatcat ctttccggc agggctatgc tgaacttct taggcactct 315000

ctagttagat gtcttaggtc ctccaattc ttactcctt aatactgtt tttctcctg 315060

tcttattcca ttatttttc aattcccaca aaattgtatc caggccatca ccaataattc 315120

tataagacaa atgtttctc taacaacccc acaatatccc ccttaccac aaaatcttc 315180

ttcagcttaa tcttccac tctaggttcc cagccaccc ctaatcctgc tcgaagcatc 315240

cctgagaaac atgccatt atctctcat accacccca aaaattttcg ccacccaac 315300

acttcaacac tattatgttt tttttttctt actaatataa gaagacagga atgtcaggcc 315360  
 tctgagccca agctaagcca tcatatcccc tgtgacctgc acgtatacac ctatagtgcc 315420  
 tgaagtaact gaagaatcac aaaagaagtg atattttaa atggcctgttcc tgccttaact 315480  
 gatgacattc caccacaaaa gaagtgaataa tggccgggtcc ttgccttaac tgatgacatt 315540  
 accttgtaga attccttctc ctggctcatc ctggctcaaa aatctcccc actgagcacc 315600  
 ctgtgacccc cccactcctg cccgccagag aacaactgcc tttgactgta attttccttt 315660  
 acctacccaa atcttataaa atgacccccc ccttatctct cttcactgac tctcttttca 315720

gactcagccc acctgcaccc aggtgattaa aaagctttat tgctcacaca aagcctgttt 315780  
 ggtgggtctct tcacacggat gcgagtgaat tgaacacctt ttgacagtcc ttcaggaatc 315840  
 tttgtaataa ctccctccca cccagacaca aaatgaagaa aagaacattt ggaattaaag 315900  
 atgataaaat ttgtagccaa ggactttaac attcaatttc cataaccctt gctggagtcc 315960  
 aatttattag agacagtttt gaggtgttag gagggtgaaa ggtgatatct ttcctcatcc 316020  
 atcataaggg ttacagctgt cattcttgca acaaaagaca ggttaagaga aaagcataac 316080  
 aaatttattt aatcaaagtg ttatgtgaca caggagactt cagaaatgaa gatcgaaaga 316140

cccagggaat acgtcaatt gttatgctta gatttgataa agaattggcca gcgatgtaga 316200  
 aatatgatta gacaaaaagg gaatgatcta acagtaacac aatgaggcag gaaaaccaac 316260  
 aaggctgtcc attcagattc ttcttggcct ttctgttag gattccttca acccaggat 316320  
 aggacaagac ctctatagaa tgaggatctt atgacctaca atcagacaaa gcaagtcaga 316380  
 gaatttctat attgcaaatt ccttctctaa caggaaacca gtggaaggtt agaattgat 316440  
 ttctagggtt ttagctgtc ttggaggaa agaagttctg gtttctatgg cttaccgtgg 316500  
 ggaagaagaa ttctagcttc tatgacttgc ttgggggaga aagtgaagtg agagacagga 316560

gggcaggaga aaatcagaga gacctgtct cagaggcctt ctaatctctt tgagttaag 316620  
 gcaccaatca gcatactaaa gcaccttact ttgggttatt gttttttgaa cccaacatg 316680  
 gccacagatt ttaactgaa agttgtgaaa gtggaggaaa aaaaaaaaaa aaaccattgc 316740  
 cactattatt cccatctctt aaaattctgt ttctacacca ttagccatg caatccctct 316800  
 tgcttacctc ttaattagtc tccactaaaa atatttggtt ttgttctcat ccattatttg 316860  
 agtgttgacc ctatctgtga cacataatga actgttccag aatgtttcc ccagtagtga 316920  
 gtttaagtgt tacagagatt tacttgttct ctaggctgag caaccactta gtccattaca 316980

atgaaaagag atttaaggc aagtacgtac tgctagaac aggtgcctaa gaatgtagtt 317040  
 gtcttacaat ttaagaagg caagaaattc aaattaacce catgaaatca tctaatggaa 317100  
 actgccaatc tgacaagcaa aacaatgcat actttctatt taactctgga ctgcttgatt 317160

tctctaagtt ctcagcactt tgagttatit tttttaactg ttttaaagtc aagtaggagt 317220  
aatcatggg atttttagtaa ttctaaagga aaagccactg gaaagaataa ccgtaataca 317280  
agaccaggga aaacagtgc gtttattaga aatcaaactt ttcaagaaat ttataattga 317340  
ttttataata caatgaagta caacatttca aaaagaggat acattttaag tgatttcattg 317400

ttggccttgt ttatccatga aaactcttac aagtttcata aattttaaaa taagcatttt 317460  
aattcctgaa ttctacactc ctgcctagct cattttagg ggaacaggac atgcagacat 317520  
tgttttata tttttaaat cttccctgca cctaataagag cagtaggtga ttatgaattg 317580  
tgaggtgaga tttttttaat gttgccaaaa acttagtggt actggatttc atttcaaaca 317640  
atagtcagtc caccaacata aatcttgctt gtagaatgaa atgctgtgtt aagtcagtc 317700  
cccaaatacc acactcctct tttccttttc atcttgctct ttttctagtt acgtgccatg 317760  
atttgaagga tgggtgggggg atgcagaggg aggaagaaag ggacatagaa acagagacaa 317820

agacagagag ctctgccgt tgtgaaaaat atgccttggt ccaacaatga gaaattgttg 317880  
attgacttgc ctcttccat aagcactgtt ttgacaaaaa tgagcagaag catctatgaa 317940  
ttatgaagga ctagctcagt aaagtittga actaaattga agcatatcat aatcatattc 318000  
ctcaccatta aaactgttca tctgccaga atgtgttgtt gcatgaggcc caagagaatc 318060  
aggcacagaa ttctagcact ctaggttatg gctaataaaa aatgaaagta agaaaattaa 318120  
gataaatcac tgccacctaa cagagatttg agtatattcc attctggctc acctaatatt 318180  
tttccctctt ttctcattta ttttttgtgt taggcataca acatttagct ttccaaagag 318240

ctgattgtag gatttagaca gagagagaaa gaattgcagc tgtcacagca ggggttaaat 318300  
gtgcaaatgc ctgcagcaat tcacttcttt gactaagctg tcaaaacatt taaattgtgt 318360  
ccctgtagtt cctctcttcc ttttctaccg tctccccagc aggggctgcc agcactgaat 318420  
ctttgtcaaa agagaagatg tcgtcacatt ggtaaaccgt acccctctaa aaggatttcc 318480  
aactttcttt gtgttgattg tcatgtttat ttttttatgt cttttctgca gaatcctcac 318540  
cgattcttct cagcttgaat tagttgaaat gcccatattt taggtcagtt aacaacttaa 318600  
caaaagacac tgcatttgat tatgagtgtg cttaaaaaaa aatccaaaaa ctggaaactt 318660

tcacttagga aaataatgaa agcaagcaga atgcagaatc actttataat tacttctact 318720  
gataagtaag aatatagaac aaactagaga gacttcatga aacgtgcaaa ttctgaaata 318780  
tgttcaaaga aacaaagggc agaaagaccg ctaagccgca aacatcacgc tataattaat 318840  
aaataataaa tattattaaa atggaatata taatatttat acaaaaatta ttaaacatt 318900  
ggacaatatt tatcgaacac ctgctaagaa ccagattcta tacctccat tattgcattt 318960  
agtcctcaca catcaagcat tcattgcctg actaccctgc taagtcttgg aatatcaaaa 319020

ctaaagtctc tacctcttaa cagctcacag tctagcaggg aaaaaagatg agtaaacaat 319080

catgaaatga gattagatgg atgtatgcac acttacaaca gcatctgaga aaggacaacc 319140

tttctatgat tgagggtttt ataaaagaag agggggaggg gaagatccaa agattaaaga 319200

ataagaggta gccagaagac aaatgttga ataggagcaa gagaaggaag gacagttttc 319260

caggccaaga gaggcagctt ccaaaggcag agatttatgg gagagcaatg cacttcaggg 319320

gagccacagc agttgtatta ttaaagctca agctggaaga tgaggggagg aagcaagtaa 319380

tggaggcttg gtattccatg ataaggagtg tgggctttat ccttgaagcc gagagaattt 319440

aacaggatgt ttaaaggag tggctaaagg attatatatt taacctagaa ataacaagaa 319500

taaatatacct ttattgagtg ctaatgggcg ccattcactt tatataattc attcttattt 319560

aactccatt atcacattac aagcaagtgt tattatcttc attttgcaga taactgatgc 319620

tcaaaacttt aaataacttg tccaagttca tctagcagct aagaacggag gcaagctttc 319680

glaatgttct cactttctca tctgtctct cctagtagtt gtggttgtgt ggtaacagc 319740

aggtgttatg gaggccaact gactaggctt gaattccttg atactttact tgctttgtga 319800

ctctgtgcaa gttgtaatca ttttatcatc tggaaaatgg ggataataaa atccacccaa 319860

agataaatga ggtagtacac attaacgagt tagcacaaca cccagcacat aatttaatgc 319920

taccattat gatgctagac caggcattat gcttgagcac attttgaca tctatctaat 319980

ctttatgtga accagacaaa atgtgggtat tattatgttt attttacaga tttaaaaaaa 320040

aactgaaact taaagaaatt aagtacttg cagaaagaca tataactaag tgacagagct 320100

gcttctgctc caaagccac actgtttctt ataacacaga atatactgca ccggtctctt 320160

gtgtactaca gagaataaat ttaaaggcag taagacagaa agcaggggga gtgtatttaa 320220

gaggcttctg taaaagtcta agagagagca gtcaggagtc tgaattaaat aagtgttat 320280

gtgtagtaag atatgtcaga taagagatat ttacaaggtc ggatgaatag gactaggtgg 320340

cagattagat gctgggaagc aaggaagaga gctcaagagg actttctggt ttttggtttg 320400

ggtcaccata atttccctgt taccceccacc tcccttttac tttttcttc tcccccaact 320460

taacctttag ccttccatta gatccagca tgaagatcat ctactggag atgccttccc 320520

caaccacact aaattgatca gtccctcct ctactctt ctatatgta tattcttggg 320580

agcacaattg tagtgaatt tttacatgtt taaaattttt taaatataat atttgacttt 320640

ttgattaatg tcagactccc tcagttgact ctaagcccta ggaacatac ctttttcagt 320700

tttctcttc accactgtat ctctatgtc tagcaaagtg cattatcctt aatagtggtt 320760

taataaataa tatttggata agtaaattaa tgaatgatca gatgaattgt gaaagaatga 320820  
 atatgcaaat agttaaacaa ggaaggaaat aaaccaaag gaatcaggag tcttaatgag 320880  
 tttaaaaaga agttccaaga gcttcacag agaaagaatg agaaagctgg aaagacagta 320940  
 gatggtatag actgaactgt gccattgcaa aattcatttg ttgaaccct caactccatt 321000  
 gactgtattt ggagataagg tctgtaaaga gataattaca gttacacagg cctcaaggga 321060  
 agggccttaa ttcaatagga ctattgtcct tataagctga gaaaaagaca acagagtcca 321120  
 cgcatagaga aaaggccatg tgaggacata gtgaaaggca gccatttgca agccaggaaa 321180

agaggcctaa ccagaaacca accctcctgg cacctttatt gtgaacttcc agccgcctga 321240  
 gaagtgaata ataaaattct gctatttaag cctccagtc tgtggtattc tgtcatggca 321300  
 gccaggcca actaatatgg taggcataa attttagatt tggggagatg atgtaggaga 321360  
 ggggaaaacc ctaaaactga atagacacag tcacaaatta actgtatttt attaaataat 321420  
 cacatggaaa gtgggtgtg gtgggtccca cctgtagtcc cagctactcg ggaggctgag 321480  
 gcaggaggat cacttgaagc aagaagtttg gattgtactg ggccattatc acacttgtga 321540  
 atagccactg cactccagcc agggcaacac agcaagactc aatctctaaa acatacatac 321600

atacatacac acatgcataa ccacactggg gagtagagaa ggataactac catacagaag 321660  
 aaaaagaaaa agagaagcaa tgcaagtaac ttttgatcac atgattttga caatatacc 321720  
 acaatctagg gaacaaaaga actgcaacaa aatcttgaat ttttctagt aagtttattt 321780  
 ttcattgaga tatgggtata gcaattgtga aactacttta tgggtatcat aatattgaga 321840  
 aatgaataa tgtgattatg ttcttgggtg ccaggttcta aatgactgtg gaaaaagaaa 321900  
 gataaaaata tggcatgagg ttaggcaaag aaaactctgc aactatcata ataaagattg 321960  
 attcagaaaa gaattatctt tggatgcaa gtccaggggg aaaagttaga tgaggaacag 322020

gatatgtacg cagtcccaaa gtgtctcccc acagattgtt tagtggttga aagagggaag 322080  
 tagtaactat atggtggaga aaccaacaa catcttgatg aggtgattga attaacatca 322140  
 ccagtgagg gacagacag actatgtgcc tgaacacag tactctgaga aggacaaatc 322200  
 actgatgtct tatgcagcaa gaaaggcacg atctgagcct aatcatcaag aaacatcaga 322260  
 caaacccaaa gtgatgaaca ttctgtcaca tagccgtctt atatttgaaa atatcagtgt 322320  
 catgaaagat acggaaaagc taaggaaatc ttccagattt gggtactgaa gacatgagac 322380  
 agtcgattgc aatgcaggat cctatgctgg attctgtact ggaaggggaa aatgccataa 322440

cagacatgat tagggcaatt tgcaaattag attatggagt atggagtgga aaaagtattg 322500  
 tttaaatgtt aaattttata aatttgacaa ctgtattatg gtaatgtaag aggatacctt 322560  
 tttttcttag gaaatacaca ataaaggact aagaggtaag agggaatgat tgcaagctat 322620

ctaaaatagt tcataaaaga gagagagaga gtgtgtgtgt gtgtgtgtgt gtagagagag 322680  
 aaagaaggag tataataaag caaaggtaac aaagtgtcaa aaattgttaa atctgggccg 322740  
 ggtgcggtgg ctacacctg taatcccagc actttgggag gccgaggtga gtggatcacg 322800  
 aagtcaggag atcaagacca tcctggctaa cacagtgaac cccgtctct actaaaaata 322860

caaaaaaat tagccaggca tgggtggcagg tgcctgtagt cccagctact tgggaggctg 322920  
 aggcaggaga atggtgtgaa cctgggaggc agagcttgca gtgagctgag atagtccac 322980  
 tgcactccag cctgggcaac agcacgagac tctgtctcaa aaaaaaaaa aaaaaattg 323040  
 ttaaactga ataaagagta aatgggactc cctatcttc aacctttcta taagtttaa 323100  
 attatttcaa aatacaactt aaaataaaat caaaagaaca aataaaaaag ataagaggtg 323160  
 aaggagtctt gagtgggtga aagttttagg ccttgatgtt aaggtagatt gcacaatagt 323220  
 ctgagagaga gagattatg tcctcatttt actgaggaga aattgggact cagaggcctc 323280

aaggtctgat gctaccta gaacagcaga ggagaagaga ggagaggagg cccagatggg 323340  
 gagagaatga ggcaagtttt tcctcagct ccacttgccg tcttaattca atcccttgac 323400  
 agattagctc actgaaggaa aagcagctcc ctacacccat tccccacct cctccatat 323460  
 ctgaaatgat gctctgctca gatcattaat catctcatta aggtcttagc aagcacaatt 323520  
 cagtaatat ggccacagac attatccttt tttctctcg acacagctga tgaanaagaa 323580  
 cctattgtaa gatgtccccg gtttttcaca acagtaaggg aatgatacc ttttcatca 323640  
 tgtatagttc cagcttcaat aagcattgtt cctggtttcc tcaagcccct tgtgcaaagt 323700

tttatgagtt ggataatc ccttaccaca attttcccat ccagatatg ggagggtaat 323760  
 atcagaacta gattactgga ttgagttgaa ataatattha aggtgtgtctt gggcaacatt 323820  
 ttaaaatctt ctatgatat gtatctctca atcaccaca ctctttctt ctattagttt 323880  
 ttccctttcc cagtgatttt tgatgctaac tgtggtttct gaatctgcct gtagatacct 323940  
 ccagagtctt ttgcactaca caatggcaca gagacatgt taggacagtc ccagaaaggc 324000  
 tccgaagtag acaagatga tcggtactgc ccaccttcc ccatttctgc acctctctct 324060  
 tccatcatct tcaactgca gtctcacct cagcctagaa tcctagagta agtggtaaaa 324120

ataacctcag attctttcct tcctgtggc agtgtagctc ctcccatcaa gagatacctt 324180  
 ttgaatctgg gtttggccac aggaccggcc aaatgtgaca ttagcaaaga tgcagcagag 324240  
 gcttgaaaag tgtttgca ttcgggcttg ttctcttgct gcacctggaa acttgaacc 324300  
 agcacttttc agtccagtg taatgtggag gccactggag gagaaccaag atactctagc 324360  
 caacagccac ctgacatctg aggggaagcca tacaggacca gccaacctt agctgacca 324420  
 ataacttacc cagaagcagc agatgactac agactcatga gtaaacccag ctaagccggg 324480

acaaccacca cactgatccc ataccttaat tgtgagctaa ataatgactg ccattttaag 324540

ccagtaagtc ttgggataat tatttatgca gtaatagata actaattata gactcaagta 324600

tctcaaaagta ggcgctgctc tctctctacc tcttggetgt ccgtcttcat cccagtgtca 324660

cccactcccc accgaaaggc tgatcttttc tccaccatca aaactcattt gtttcatatg 324720

ttttgggacc tcaaaatcct tgactaaact gataaactaa tatgaattag tgatgtaatt 324780

gaagtgtaat aaataagata gcacactcag tctccaaaaa caggccccaa aataagcctc 324840

ctcacctcct tattctttca cttgtgcagc attctaaccg ataccaaaaa ggaaaaggat 324900

ttctcctaaa gtagtatttt gagaattcat gggtttgtcc ctttttttcc tctctcaag 324960

gaacaaaagc acccatcatt atatccccta gagctagagt cttctcaaat gtacccaggc 325020

taagaagtca ctgctctaac tccgtctcat ctctctcct ctagtcaatc ctgaatggtt 325080

tctgaacaag ttgattaatc tttctccatc aaaattaatc tttctccacc aaaatccaca 325140

catctgagt ctcttccaac tcattctctg aacacttaag ctcttcaaag ggcccttttt 325200

tctgttccac tctcagtagt cagtcccccc atctccagca tcatggtcta accaagccct 325260

ccaaataaca agccaagtat ggttcacata ctccaatac attagcaaaa cacaaaatat 325320

tcgttttgcc cacaaaactt tctctctggc tattctactg ttgttttttc ctagttaaat 325380

tcatacaata aatagtgtat ctgcttggtc ttaaattgat ccactcattc aggaaatatt 325440

aattgagtag ttatgccact gagaagctcc tttctcctat tcctatgatt ccaagagtaa 325500

gaactactgc aacagtagta tctttgggtc cctccccac attccttcat tctcctaag 325560

ggaaagggaat taagtctatt attgtagact tgaggagaaa gaattgagca agcttgacag 325620

aggcttttct gggcctcact tcttcacaac tgttgggtcca gggaggggcat cctggttgac 325680

tctgtactat gtggttaagcg tatgggcaa gttctagccc tataaggaga atcctactac 325740

tttgaaaagt aaattcaatt aatgcgagat cagatggccc atccatgcaa tatactctaa 325800

ttcaactttt acaaaattta aagaacaaa aacaaaaact ccttctatt ttgatctcta 325860

gagtcacccc acaaaaaggc actggcctga gagacaagta gggactaaag tccagcccag 325920

cttctgcaca ccaagccagt tccctgggtac cttcttcta attcaccac gcagagacag 325980

ttctttacaa tcatttcca ggagtgggtg ttttcttcta attcatatgc tcaaatgaaa 326040

agaaaggagg tggttttct aatctaaca aaggtaactt atgtgctaac agcagcctgt 326100

tgattgccag ctatctgatt ccggtgtcta tctaccagtc agtccaact taagaaggaa 326160

agcaaggatg atttatttag ctctaaacc ttacatacta ctatgtacca gatactgtgt 326220

taggtactgg ggaaaaaagg atgagtaata cagagtcgct gactttaaaa acgtgctatc 326280  
tagctaaatt ccctcagtc tcaaaactag ctagttagct tgtttgtttt gtataaagat 326340  
gtgatctact gtgggcaaaa gtctggattc ttggctatcc catgcatggg agacatgagt 326400  
tgagctgtgt ggatcagagg ccggagcaaa gtatggcagt cagagtagca gtgctgtgat 326460  
ggatgaaagc atcccacaga cacaggcaaa ggatacaagt tcctcaaag taggtgcaac 326520  
aaaattgact ttgcacacag acagctccac agggcaggaa ggacagtggc actcccagag 326580  
tgaggggcaa gcacacctgt ccaacaagtg catcacatgg ttgatggtac cagagtacct 326640

gctcaggatt agatcctgcc aggacctca agccgctccc ttgcccattg cagtggagct 326700  
ttgttatacc ctcatgacc caaccccagt tctgaagatt gtgactatga acctacatgc 326760  
tcaccagagt taaaaactcc agacactcct ctttactgca aggcctgggtg aatcaaaata 326820  
tctggtttcg caggatatta tctcctagca gctctggctc cagcactttg atatagggat 326880  
tattttcccc ttaggtctca tcacctggta agaaagactc taaatcgaag catataggtc 326940  
cattcgggat atcagttaat aatccatttt tatttcccag taggaaaatg tgtcacttta 327000  
atgcctaaac tttaaaacaa gtgtttgtta gttgtgtttt ttgctgattt cttattattt 327060

tattctatag ttttcaagc atatacaag atttttattt ttcctaacag caaaagaaaa 327120  
ctggtgtgtg tgtgtgatta ttttatttta tttttttagc ttacataaag gctagagact 327180  
gtgcctaggt atgaatttcc tctccagttt ctaactcagg tctcttcctt tccagcaagt 327240  
attcttaaca acaaaaagaa aaaaatgata tagtccaat gaataggtta cttcattcaa 327300  
tttttctgca gacagcggtt tgtaataaac tagcacctct gctttttctt aataacagta 327360  
gagaagtttg atttagacat tcagatatga aatgactaaa tttgttctca aaattggagt 327420  
atgtgagttt tttctaaggg taagagaagt aagaatactg tcttcagatt caaggtgcaa 327480

tgctaaaata gcagttaccc agaaggtagg tctcgagaag gaatgataag agttaggac 327540  
ctgtaacacc agcagacaat tcagtacagg aaaagcaggg ttttatgaag catttaactc 327600  
aggagctgtg gacaattctt tctgttctcc ttttcccttc cctaagtaaa tatctgatgc 327660  
ttgggcatcc tgtatgaata gaatacacat tcctattct tcttgccaaa taaaaatatt 327720  
cctctatcct tgttagttct gcagcaaaat ggtttcagtg tctaggcttt ggagctagac 327780  
tccgtgagtt caaattcttg caccatcata catgtgagct ctatgacctt ggcaagtcac 327840  
ttgatttcag taggccttag ttttcgtatt tgtaaagtga gaataatttt tgcttatttc 327900

ccagggtgga gattaaatga gataattaat gtaaaatatt taacaaagtt ctgggagcat 327960  
agcaggtgct caataacggt atatgttctc ctgatctaaa attacatgg tggatgaaat 328020  
ttccaaggt gaccttgatt tttaaaaaat ttggactcac tgtaggactg tatgttttgc 328080

ttttgggttt gggaaatatg ctgacaatac ctattacttc tggaaatgaa ggcacccaaa 328140  
 aactgtaatt taaaaatgaa tggatgtat gaggggtgtt aaagcaaact aaatatggcc 328200  
 tgagaaggac tccgtaattc tataattgag tccttgtgga tgaactgtaa cctagcttaa 328260  
 tagtcagaca aaattgaaaa cctaacttag tagtatgcac ctgtgacaag agctgagtgt 328320

tagccaatcc cagtggccat acttcaacca ttcatagact gctgaatgtt caaactgcgt 328380  
 tcaaataagg caaacgtga gttgtaacca atctcactgt ttctgtacct cacttccgat 328440  
 tcctgtacgt cacttttttt gtctataaat ttgttctcac cagaaggcac ccctggagtc 328500  
 tctgtgaatc tgcgtgtatt ctgaggactg cctgatttgc gaatcgttca ttgctcaatt 328560  
 aaactccttt aaatttaatt tggctgaagt ttttctttta tcaggggtgt cctagtaagt 328620  
 tattatttgt tcagtcgac ttaactcctt atgctagatt aatttatctg cacacagaaa 328680  
 agcaaatttt aaaaggtctc tcgtatatcc taggtagtta ttctagatcc ttttctttat 328740

tgcaattccc ttctccatt tgtttttaga ttttaatttg gctgtcttta ctttgcctg 328800  
 gattctagaa tctactccac ttgaaattg gcttctggct gcttcagatg tgataacctt 328860  
 caggacagcc ttctgtcat ttggggcctt agcacattta gctcaccctc ccccttcaact 328920  
 cctaccctgc ctggaaggaa gccctatggt taggaaaccc cacttctca tgcttttctc 328980  
 tttagtctc agaatctccc tgtgaatggt tgctatggt gatgaagaca cagatagttt 329040  
 tatcagcatc cctgcttgc tggaggtttt taaattgtta atgttttaaa aaaagagcat 329100  
 gtatatgtgt ttgtggctcc ttctacctt ctttttccaa tacccaagag aaggtaaagt 329160

cttaagcctt tctttctga gagacagccc agccatctcc taccacacat gatttccact 329220  
 gggaatatta aaggcactgt aatatctagg aaggagagaa attcagggc agggaggttt 329280  
 tcctatgct cctatacctt cagcttctat gtaagatgaa agtagacctt aaaagttag 329340  
 gcattgggat atcatctgtc agtagatgga acttgcaact tctctttcca agttctctgg 329400  
 cttctttctc catgcagctt agtaatggac atgtagccta taccagctat tctagatg 329460  
 taaaatcctt atttcagatc aacaagagga tgcagcgagg tacaatcttc catgtttgtg 329520  
 agtagggaga aggagtattt caccagaaag gggcagtgga agtctggcag gacagcagta 329580

ctctgggtcc acatggacag catgttcaga gcaagaatcc agggaaactc taggtaacaa 329640  
 atgcaacact cagcctcctt ggaacaggag gggactggcg ttccacatgg gctgagataa 329700  
 ggcagaaggc catggtcagg agaagggaag agagctggag gggatatctg tatgagaaga 329760  
 cttaaaacct ggagctaagg gagtgtgaat actgggatcc atgactggct tgttctttgt 329820  
 caccattact ctaacttcaa aaatgcttca cggctgggag tgggtggctca caccgtaat 329880  
 ccagcactt tgggaggctg aggcgggcgg atcacaggt caagagattg agaccatcct 329940

ggccaacatg gaaaccccg tcttactgaa aatacaaaaa actagctggc cgtgggtggcg 330000

ggtgcctgca gtcccagcta ctcaggaggc tgaggcagga gaatggcgtg aacctgggag 330060

gcgagagcttg cagtgagctg agatcgtgcc actgcactcc agcctgggag acagagagag 330120

actccgtctc aaaaaaaaa aaaaaaaaa aaaaaaaaa aaaaaaagc ttcacatatt 330180

ttatgtatca ataactaat atttctcac ttttccttaa gttgatcttg attcaatctt 330240

aaggagttag ataaccgag cttatttcat ggtgtcttcc ctaagaaacc ttggcctttt 330300

ggtttatatt agaattaagg tccagaaaaa actaacacaa tttcttagaa gtccaacaaa 330360

tcacttcaga cagagccaga cttttcaggg ctgctccaac aagtttaggg tatacctcca 330420

acatgaggcc taaagcaggt ttggcttggg ttgaggatgt agtcataaa acaatgatgt 330480

ttaatgatat ggtaagatgg gaggcattta ttacatagc tgttattaaa ggtactataa 330540

ccaatttatt ggtattttta atgttttatt atggagaatt ttaaaccatac tcaaaagtag 330600

ataaaatagt atcatgaatt cccagataac catccagtac caagcccatg gccaatctgg 330660

cctatccaca cctccatcta tcccttcctt tgagactatt ttgaaggaaa tcctagatat 330720

catataattt ccttataaa tatttcagga tgaatctcta aaatgcaata gcttgtcttt 330780

ataacaaaac taacacaact gaaatatcat tatcacatct aaaaataatt ccttaataat 330840

atcaaacatt tagtgtcgac attttaattg tctcataaat attacaaata ggggttttcc 330900

atggtgctta tttaatcagc atccaaacaa agatgagata tggtaaatta ttattgtatt 330960

ttaaataatct tttaattttc atgttccatt ttctctccc ttttccccc tcttgcaatg 331020

tatttgttga aaaaatgtgc ttttatgtcc tatgaacttt ctcagtctga gtttgactga 331080

ctgattacat ctcttggta ttttaacatg ttgtccatc ctttgggttt tctgaaaatt 331140

gctagctaaa tctagagta tcatcgatc caggctgaat tttttgcat atattaattt 331200

ttacccaaaa aaactataag aataatctca agttttacca aaaacttatt aacacatttt 331260

ttctataatt catgccagaa gatattacat aaacatcaaa aatttgaaat ttaaaagtga 331320

acaaagggtc tcatttttgt ggaaaacaac atacacactc cattaaccaa aaataaacac 331380

aagaaaagtt caaaaaagcc caaatgctat agggacaaca acttcaaatt aacccaagga 331440

tctaaataat gcaaacctg atattagcta catgctttcc agccattaaa atagagactt 331500

agatgttgaa aactctattt ttgattcaga gacgagcttt gtgccccggg ttttggttca 331560

gtttgcctca gctaccacta gagggaggcc aatatgcatt tgaaaaaccc aaacataaaa 331620

aattggcctg aacctggaag atttccattt ttaagttctt tttaaaatat caaacatagt 331680

tcttattcaa tattacatat catttatttt gtgttttact aggaagcttc acactaaatt 331740  
aattttgtat ttggaatctg cctataatgc aaaggaaaaa tacagccctt ttgtggccta 331800  
tacaaagtac atgatacaac aggtaccctt gaagtccctc ttcaccccag atcttttcaa 331860  
ggcattgaaa ggtacaagaa tacaagggga ctatgtcatg gtgactaggt taagtttttt 331920  
tagagattct aagtgccttt taagaatgca gtacccaac tcccttaca attacaattt 331980  
taaagcaata aactataaaa caagcataaa gaaatccaac aaatttctat tticcgatga 332040  
caattaattt ttcttggtga gttagaggag aaatatitaa tcccccccc acccaacaaa 332100

aaacattact caatactcct ttgctggagg gctaagcaca cgcttagtca gctttataga 332160  
taatccagat aatccagttc tgcctcccat cctgcaaata attagctaaa atgtcggcac 332220  
taactaatct ctcttttgcc acaaaatatg cacattcctt ataatgctta tgctttacat 332280  
taacctagct cttaagatt tataactcat ttccacatgc tatttcattc tatectcaa 332340  
actttatttt tatgggagag tatttttctt gctttataag aaaccaacac tccaaacaat 332400  
aaaaatttgt ttacaaagtt tagttatatt tcacataaac aggactcaa ttcagtgtt 332460  
ctaacttcta aaactcaggt actttatggt tctactgatg aggctattgt caggaatttc 332520

acttccccta tgaacaatcc tgtttctcat tgcaatgcc tggaagattc taaaagcatc 332580  
aaagtacac ttatgcttc catttccgta gacttgcaa ggaactatgc gggcatgcac 332640  
tgaatggcca gtctcagtc caaatggaaa acctatctc aggtccttg gctctgccag 332700  
gtcagaagac tcagagcaca cactacactg cagctgttga ggccatggga agtaggacca 332760  
atggagtga gccctatgag gcatatagaa ggtgctgagg ttggagtttt tcatggcaat 332820  
aacaatgta cctatgatca ctgatcacag acatctttcc cagctggtgg gggcagtggc 332880  
aagtctaagc cataaaacc agcagaaata aaatctgtcc agggctaagt ggtgtgctga 332940

tgatttttta acaaccagct ctcttgaaa ggaggaaaga aagccctggt ttgtagttag 333000  
ccaaaactcc caccatggcc aatttcgagt gtaccaagca agcatcatat cattaatat 333060  
gaagttgaga agataccta acaatcagca ctgcaactcc actcctcagt ccctatgcct 333120  
agagcaccce actctggttg tgcaaatatt aggagcaggg ttgattagaa aacctccat 333180  
tccataccac tatggaatct atggatggat ttccatgag cacaactggc ttcttggacc 333240  
atcccttact tctcttcaag ggtaaagaat ttatttatct aattggtgtg ttaggagaaa 333300  
gcaactgagc atgctgagct aagctccttt ctgcccttc tctcaggat ctgtctgcct 333360

gaagacaatg tgctttctgt tttgctgct gtcatgagat aaaagtcagt ggccttatgc 333420  
cacagttttc aggacagtc ttgcatttca tcccttcgac tctcaaaagt gtcttggttt 333480  
gcacaacaaa ttatgtgtca ctttatgtaa aagggactaa cctgcagag caaggcctgg 333540

caggcaacca gaaaaatggc tatttctggt gcagtcctag gaaacctact gttaccacac 333600  
aactgagcca cattcttcaa tatcactttt attgataata aacctgacat tttgatcttc 333660  
atcggtttga ttattttatc taactctagt tatatgccaa acacaaggag taacaacaga 333720  
gccatcattt tgggagactct taaaacttca tcaaactgag tgccttgaaa agtgactggt 333780

tgtggctttt agataagaag aaagtggaag tccacacaca cagaacacaa ggagactagg 333840  
atcattaaga caattatcca caagctccca aatctacatt aagaaaacaa aataactaaa 333900  
atTTTTtagt agagttagct cataacagca ctgctataat aagaatttag aattaaattg 333960  
aggtggcttt ataaaccgtg ggtcaccacc acaaatatgt aggttacacc actctgttgc 334020  
tgcctaagcg tattaagct agctaccact agagggaccc taatcgcaa acatcattta 334080  
tagctaacct taacagccct tttcctttcc ttcagaccct tgtttatctg tatagatgta 334140  
gttgtggaac accaaagtgg cactcaaaga aagtaaaata acaaagttct taatatTTgt 334200

gaagtactga aacatgcact gtttcagact gtgtctccaa attaacctct cttcttaaag 334260  
ctcacctgac cataggttta gttcaaatgt ggaatggatc atttgctttt taaaagccac 334320  
atccaattat agagaatcat aagttaatat tcacatcctt ttgcgattac aatttgttta 334380  
aatgaaatac ttctttcaag caagtaagcc attactatgc tttcaaactc ctcccaaaat 334440  
cagtgtctgg ggagtaagga gtatgcaaac ctccaggataa cacacacaga gacacacact 334500  
catatagagc acaggataaa aagttataca aaaggaaaag tagctttata ttccagatta 334560  
tcacaatcaa acagttcaga ggagatttac actgccttgg acctgcctaa ctttaactac 334620

cagcagctaa gttgcaagca caccaggaac cttgacttca gtgcatgacc aaaaacaggg 334680  
tggggagtaa cacagcaaga acatttccag acaattctgc tgatgcactt gttggttcgg 334740  
ttattttctt gccagggcca cacatacaca cccataggca gtgcctccag gtcacgaaac 334800  
acactggaaa tgtgtatatt gttcagtcaa tatcaattag acaaaaagac aaacatata 334860  
atgcactatc caaagaggat ttgttttttg ctttaatcgt tgattttgct tgcttgctat 334920  
agctaagaca actagtcacc tacacaacat ctattctctt ctttttctt aatgatagaa 334980  
ctttaagaac ttaatttta ttccaagtag tgatgtatcc agctaaagga ctgcatttgc 335040

caatctctcc tgcagatagg gatggttggg aaacagtaag tgggccttta gagaaagctc 335100  
cttaagacaa acagctgaag tatgtctttt tgcctttct gcttctctcc tgattagaag 335160  
acatatatga tgctgtctg ggatcccagc aaccatcttg gaccacgtga aaaccttggg 335220  
gatggaaatc acatgctatg gatggcgaag aaaactaaaa gcgcctgagt cactgatacc 335280  
acttttagagc taccatataa gcctctctta agccttctt ttatgaaaga aatataaaat 335340  
tccatcttgc tgaattccta tctgtgttac tagcaattga acaactgatt tgccagccat 335400

ctgaattacc cagattgtct gataattggt caataccac ttcatttttag gatatagaaa 335460

taaagcttca aaactggcca taatagctat ggtgatttga tctcaaaac taaaaattag 335520

gtcacacaat aagaatagtc tgaatccact tatgggagaa gcagatcagc ttatttgaaa 335580

tcgggttgtg ctagaatacc cagatcataat gattctatit tcagttatta agttcaagca 335640

cgttgagta atcctgacct gattttccac ttcacagga aaaagataag ttgagctact 335700

gtgtgttaca cactcttcta actagaaact tcagtttaac acacaatctc tgaaatttat 335760

ttcacaagt gtctgagtt tctgaaact cagggtcccc ataaactttg ggggttttgt 335820

tgtaattaca cctatgctcc ttctctgtg ctcaggaaga agcattattg gcacctgtat 335880

cctgtagaac tcagttctat atatttaata ttgccttac ctaagccctc tatatatgtt 335940

tccccataaa aggataataa tactaacctt tctccagtg tgtgttgtga tgtttaatta 336000

atgtttaca agcatttagt gagctgcaga tgaagactc taaggaagca taaagcaata 336060

tcattagact gactcatcag ctacttttat tagctatgca aaatgaaagc catgttgcta 336120

cagccaaaat agttatggat acacattagg taaaaaatat aaattccagc acaattttaa 336180

tctatatacc acatctaca agcaaacacc tgaagctcct taataggaca atttttttct 336240

ctgataagta ttgaaatct gttaacattt aaaaatataa acagattaga aggttagggg 336300

aatggtaaaa acatgatact ttggtaaaca tatgaaactc ttacacttt cttatgtgaa 336360

tgaagatttc atttgcaatg atgtgaaact ctctacgac tgaaaaaaaaa aaaaaaaaaa 336420

aaaaaaaaact ttaattgat tctttttcat ttgaaattag caataatgac ctgaattcca 336480

caggagataa aaacaataaa ttgaaaacct tgaatttag ttcaggtaat agttcttgag 336540

tttctctgtg ccctatgttc aggtgcaggc ttttttatat atagctttca acagctttca 336600

accaagtgtg atacaactgt atttatttaa taagcatata ttaattattg atatttttc 336660

tgaaccaagg aatcatttac actatacatt ctagtctaca atgtaaaact aaaatatcat 336720

tttatttgtg gacatggagc tctttttcaa gttaaaacag ctctgtatcc tagtgtttc 336780

ttgtgtgtga gcagaatgag aattaggaac taggaagagc ccagctggtg aggagggttc 336840

gcttttttat aattagttgg gttaaaccca taatatccat ctataactta tccagggtat 336900

tctgtttcaa agagaagtaa tagtcttaa acagaaaaca tgcatttgta tgcattgtgtg 336960

tgtgcatgca cacacacaca cacacacaca ctactgtgca gtcaaagaac agactccatg 337020

tcagttttga aagacatacc aactgggttc aacattacat tgtgtcagag aatgaagtga 337080

tgactatcct tactcaaaa aatgcatagt tgaattttc ctccaacttc caatttggtt 337140

aatttgagaa ctgttggttt agtaggttac atggaagatt aaggagactc acatccataa 337200  
 ttgtcccaaa aaagcacaaa gttaacattc tcttgagttg aaagtaaaga ctattatgga 337260  
 aattaattaa tcccttaaca acaaccacaa caaaatggca gggcactgca tggcagcact 337320  
 gcagggtctt ttaaaggtaa atggatttca tgccatttta accagttcaa gtataaagtc 337380  
 atccaagttt tagaaatatt ctgaaacat tttcttctgc ctctttaacg gctacttttt 337440  
 gatctccatt tttttcctc ctctaatgt gttgtgactc atacatttac aacttggatg 337500  
 tccccaaat agtaaccacc cccattctat tgccatata ttttgttta taaattaaaa 337560

tgggaagaat acccattcag aatataatgg aaaacagcat cccccaactc gctcctgaag 337620  
 tatcttcatt aattctaaag aagcttaaca ttattctgag tcatttcttg ctggatttc 337680  
 ttgcttctac tgaattctcc aaagtaaagc taaattctcc ttagctttac ttgcatgga 337740  
 cttataata tgaagtacat ttctcttgac cattctttg aaactcaca aacttcttgt 337800  
 ttctctttat atcactccta tacctcagca tgctctgagt tttatcttcc actgtaatat 337860  
 ggcccatcaa ggtgattgac caaacaaaaa gtttttgagg catattcttg atagctttta 337920  
 aatgtacatt gcctctcctc catatgtcaa attaacttcc cactacaga gaattcttct 337980

ggcacctata attaatattc tctttggtac attcttctct ttagagttct tatttagttt 338040  
 gatagaaaat gactccaca ttccagtcaa cgtttatctc tcttctttat tctggactta 338100  
 cattttcatt ctaaagaca tttttgcca aatttaccac caacacctca aactcagcac 338160  
 ataaacaaaa ataacagact tttttgtgag gcttattctg tgtggatcat caatatagac 338220  
 tacagagtca agtaacaaag atttattcta ggaagaaggg tgggacctt cagttcagaa 338280  
 gattacagtt tccaatgcct ctggaatctc aaaagagggg ctgctgaaag aggatggaag 338340  
 aataataatt taaaggtgag ttatgaggtc aacctagatg tctagcattt caaagccatg 338400

tcatccaaag ttaagggtat catctttccc aaacaaactc attctgttcc tgatgttctg 338460  
 aattctgtta atgcaaccac aattttctc atcatgcaat ttcaaaattt taacttagac 338520  
 tcttttgtct ctggctctat attccttcag ttgcttagtt ctccagttc agactctgaa 338580  
 atgtcagttc cattctcacc ttgtctactt tacttccage tccatactt ttccaattag 338640  
 attgttgaaa tgggtacctt aaatatctct ctatctcag actttttcat ctaatcgaat 338700  
 tcttcccatc tgtgggtacc aactgataaa ttttcataaa gtaccacact gatggtatca 338760  
 ctttctata aaactttcaa aggtcattta ttacctaaca aattgagtgc acactcctta 338820

gtaacctctc cattgcaatt ccaagggtca gttctccatc ctcatcttat tcaaccaata 338880  
 agaagcattt gagaattaat ctgtagcctg gatttctaca gttggtccct tgcttcaacg 338940  
 cttacctaat aatctatttc acaaacagcc atggtaatta ttttaaaaca ttccagatta 339000

tgtcactgtt ctgatttaaa tcctccaatg gctttttaaa aaatctcatt tggggtaaaa 339060  
 ttcaaagtgc ttataatggc ctgcaagatc ctatataata tggctggcta tgcactacca 339120  
 gaccccatca tctaccacaa ttaattattc atctccctaa tctactcta gccacaccag 339180  
 tctttttgct ctiaccaag gacagcaaac atgctccac ctcttgggt ttgtacgcat 339240

tccactcttc ttctgagac ctacagggcc ctccctaatt cattcaaag tctatacaaa 339300  
 tgtcaccata gtagagagtt ctctctccaa tctatcaaag taacattccc cccagcctac 339360  
 ccagataatc cctattatct gtaacactta acatcattag aaatatcata gttatttgtg 339420  
 taatatTTTT tattgtctgt ctctctctac taaaatataa gcacctgag ggagggtctt 339480  
 agtttctttt acaactattt tcccagagcc taaaagagca tactgcactt aattcaataa 339540  
 atatttcttg agtgaatgaa taaatgagtc tcacagaatg aacctctcta cagaaatcct 339600  
 atgctagccc agtgaaatcc aacctgtggg ccaaagatct gggaagtagt aaagtaacgt 339660

aaaggggtct gtgaatccac atccttcga ttattgtctg taaactaaat taactacat 339720  
 attatactat tactttaaaa tgtattaatt tatagtaatc ttaccaacat gtatttttcc 339780  
 aaaggatagt agcagtacag ttactatta ttaggaacc taccaatttt ttcttattaa 339840  
 caaggggtgt tcttactcaa aaacattagg aagctcactg ctctagcaa acgaaaccac 339900  
 tgcttttca tcaagttgtc tataaacatt cacacctgtt cctttgctaa tatgtgtatc 339960  
 ttaactagca aaacttttct ctgccctcca cttccacce catctccaa ttgatttact 340020  
 gtttcaaatt ctaaatcatc attatctaca cctgagttag catatgccta agagctggca 340080

ataagacaca tgatgactgg ctggggtgag gaatggaaag gaagagccag aagaggaaaa 340140  
 gaagtgtac aagattcatg tgctagaact ctcaagcca attcacctg cctcccagtt 340200  
 tgctacagt cctcttttg ggggtattaa gcacatccag caaagtcttt ccaccagcaa 340260  
 agcccatcca ctctgcatcc tccataaata caacacacta attctagacc ctgactatt 340320  
 ttttcatact agtcaaagt ctctgtctac tgctttctac caaatagcaa ccatcacata 340380  
 attgttttg ttcaaccttc acctgtttct ggaactttt cctggctagc caacagcaca 340440  
 ttcttattat tctctatag tgcttcagca atttaataca cattttttca aacaaatttt 340500

ctactctttg ataatttatt tttaagtttc ctttcagcat catgcaatat gccatataa 340560  
 cctgcccag tactccccga atctaaaata aaagtttaaa ttatttttta aaaatgggcc 340620  
 aggcaagggt gctcacacct ataatctcaa cattttggga ggccaaggca ggaggattgc 340680  
 ttgagcccag gagctcaaga ccaacctggg caacatagag agacctatc tctactaaaa 340740  
 atttgtgtg gcatgcatct gtaatcccag cttatcagga ggctgagggt gtgtttgagc 340800  
 ctagtccaag gctgtaatga gctatgatca caccaccaca cttcagcctg ggcaacagag 340860

tgagaccctg tttttaaaaa aaaaagtttc cttttttcat ttatttcttt aaatgtgaac 340920  
  
 tcctgcgaag acatgagagc ctcagatatt tcttttcttt tataggtgtc tttccattat 340980  
 acaataatgc ctagtactag actaggaaca gaagagataa agaaagatat cctatgaagg 341040  
 cactgaatta gccttttagct ggattcacia acctataggc caatttaaat tgtactcatt 341100  
 ttcaaatttc tttaggtcat gaactagcct acttattgcg tcaatatcta taaattactt 341160  
 cccaattct gtccctttcta aagtgtatat gctctgtcct ctagcagatg atcttgttcc 341220  
 tgaacttcaa tccaatgagc tctcattgaa ctccttaatg taaaacatga gctaggcaat 341280  
 atagagacat actccttgcc ctaaaggaat tcataataat tccttaaaga aaacattttt 341340  
  
 aaagcacctg gtatgtgtta ggcacccaag aactattcta tacagcacag aaaatgagat 341400  
 attcacacct ataacaaaaa gacagcgtat tacattccaa aagaaaggca gtcggtcata 341460  
 tgaaaatcca ggaaggga aattaattct gaacataata ccaaggaatc ttttattgag 341520  
 gaactgtcct ctgaatagga ccattaagga gaagaatfff catgagaaaa tgagtgaggg 341580  
 atatgctaga aaggcagttg tttctgaatc taatggfcaa aaatatgggt tttgaaagtc 341640  
 agagggtctt gggtcaaatt gtatttttgt cacttacttg atgaacatcc ccaagtagct 341700  
 tatttaactt caactgtggt ttcttcattt acaaaatgga gataatgtga ttacacactg 341760  
  
 cataaaaaa gactcttagc tgctgcctgg cacagagtaa gtgctgacta aaagatagca 341820  
 cttagtittg gticccccag aagaagacca tgactcaaag atccaactac aaatagtfta 341880  
 tttgaaaggg ggccacagga atcactgata ggaaggggag gaagggagtc aaggaaggga 341940  
 aggcagcaca caaagtgtgt attattaagt aaattaccac tactggagcc taatctagct 342000  
 ggaaactcca ggagccagtg tgcactcaa ggtcaagagg agcagagaat taaaaacca 342060  
 ccacaacaat caaggtcaga actgtctcca gactgaggag cagaaattcc tcttctccag 342120  
 cagaggagaa agctgtcagg gaaagacaca cagatacagt taaggcagct gtgctaagtg 342180  
  
 glaagcctca aggggatttg ggtaaggctc tgcccacact aatacaatat acataaaaat 342240  
 atgagtatat atatgcttga ggctataagg aatatgtatc agaaatttat ctaattgatg 342300  
 tattagttaa aaataaaaata tataigataa acaatatfctc aggcaaagtt tttagaagat 342360  
 gcaataatcc agaaaaaatt ttacacatgt ataacaatt atcactactga atataaaaaa 342420  
 gaattactac atatccaaca taagaacaac ccaataaaaa tagattaaaa gatatgaaaa 342480  
 tgtaaagaat aagaggcaag cccagaaca atagatgaaa tagtcattaa acataaaaga 342540  
 ataaatgacc agggaaataa aagtaaaaac aataataaaa taccagttct aagctattag 342600

attgaccaaa tacaatttgg ctatatcaag tgcagcaga tgtgtagaca gagtagtgcg 342660  
gagaaaaaac cccitttcatt gcgactgccca ctttgaaggg caataatcat tatccaccaa 342720  
aaacaaaact aagcttacct tttggcctag tgattccact tctcagtatc tcgcctagag 342780  
aaatacccat gtgcacaata atgtttattg aagcattgcc tacaattctg caaacaagcc 342840  
tacaaggag acagactaaa tattatgtaa taccatgtta ctattaaaaa gaataaactg 342900  
gagatatata tatatatata tatatatata tatatatata tatatatata 342960  
aatcatgtg taaattccca agatatattg ctaagggtaa agagcaatgg catacagtgg 343020

tatagaatta tactgtgaaa gttgtcagaa tcaaaatgga gccacttgtg ttaaaaaatcc 343080  
taaaagacag agcctcagaa ggccatgaag agagggttct catgcaccaa tgcctgataa 343140  
caagaactat caccaaagac tctgaaaaaa ctacaaactt gcacaaagcc cattgcaact 343200  
gtataccaaa aagaaaaaaa aaatactcct gtagacatct acccagcaat tgtctgtcag 343260  
ccttggactg tcatcacctt tggattgat cctgttaacc aaaaataatt atctcaaacc 343320  
aattatgtaa ttcttctcat ttaaaaagaa aacattgtct tcttttacc tctgaacac 343380  
acacatagtt tactatggca tgtgtattcc catgtattc ctattcgcaa aaaaatatca 343440

ttttctttta gagaatcttc ctctctgtta tttagtttcg cattaatggt gtcagcagtg 343500  
aggccaaagt tagctcacct ttgatggatt ggtggcctgt ggaattgagt gcagtactga 343560  
cttcaatgtt gccttttctt ccatagtga tcttctctag gactcttgga ctccctccct 343620  
ttggtgagtt ctttttact ttatttggga tctgatttgg ttataaggcc accttaata 343680  
aaggaccttg catccctcct gggactataa aagtatttc tggcgagccc tttctggtaa 343740  
aagacaagt tcttctggt ttgagttatc tggtttctac ggagtttaca ttctgtctgt 343800  
gaggcattct tttctggtga attcactttt gatttgggtc atccggctta atattttgtt 343860

tgatctgcat ggctgggtta aaaattctgt gagcactctg attttggttt cattttggtt 343920  
aggttatgtg tgctgtaaa tgatttggct ctttttcct tactgtttc tgaacatctt 343980  
ccaagagcaa aaataaacat tctaaatagt aggcattgata tggccaatta aaagccactg 344040  
ggatggtcac catgatctaa accaccagt taaacttctt gacaggattt atagaatttt 344100  
ctttgtctg gagaaattag tcagaaacag aatgggattc tcaaacattc aggcattgca 344160  
agctttctgg gactccagct ggctacatgg cttttcctcg tgcattgttt taaattaatg 344220  
gccatcatga atatcatttg aagtccecaa ccttgttttt ttcttagaat tcaattagaa 344280

actgcaatca actatagagt taacatgtag agtcttttta gttatctttt tttttctgga 344340  
tactctaaat ctgttaactt ttctatttgt gtttaagataa cacactgttg ctaatttcaa 344400  
aagctgctta gatctttttt tagagcattt taaccaggat aaggataaaa atcttaaagg 344460

gctttcaaat taatggcttt acaaattaca accgcttcac ggcagccaac aacctagaca 344520  
ccttttgaa atgtaaattg aggtttccct aactattaat tgcttaggt gatgaaacag 344580  
ttaattgaag gattgatatt ctatacgac ataaagagat atgtgtttat acaaattaag 344640  
gtctcagatc aaataggta aaatcttgaa cttagcgcaa taatacaagg tatctctggc 344700

ataaaaattg ctttgtctgt ctgttacag ggggccagaa acgtgacca aaaaaaaaa 344760  
acaaacaaaa aaaaacctgc caaatgctt cctgtccgc attgtctagt caagaaaacc 344820  
agatcagcaa aaaaagaaa gatttgttac taaaaattt aaggcaactt ggagattttg 344880  
actttcttac agaatttagc cagtccagc taaaatgtaa acaattgaaa atttaaccct 344940  
aaactcattt aaaactggaa aaaaagatgt gagatttatt taaaaccaag atgctttacc 345000  
taaaaatttt ggtccacagc ttttcttaga ttatctatta gggaaaataa cacttatcca 345060  
cctgaacagg tcccattttg tcaaaaatac aatttgggtc caactatttt ttataaaact 345120

tgtgagtttg tattactatg ctttactatc tagtgactga aattctaaaa ttaaagctat 345180  
aagatcttta ttgtgtgcat gtatatgtgt ttatgtgtgt tgacatgtgt tgtatgctgt 345240  
gtctaaattg taaaatctgg tgtacttggc tagaaattcc ttaagaaatc ctattcggat 345300  
tagctcagat aaataagcaa tcataaaata tatagtaatt aatccaaatg ccttttagtt 345360  
catacaactt aagtaaatct ttgataaata agctgttggg gttttatttg tagggggtgg 345420  
tttgttttga ggtgggtct tgctttgttc ctaggctgga gtgcagtggg gtcatttga 345480  
gcctcaaca cctgtgctca atcaatctc ccacctggc ctccaagta gctgggacta 345540

caggtatgta ccccatgcc tggctaattt ttgtattttt tgtagaggca gagttttacc 345600  
atgttgctca ggctggctcg aaactcctgg cctcaagcga ttatcccacc tcagcctccc 345660  
aaaatgctga aattatagg atgagccacc acccctggcc caataaactg gccttgaatt 345720  
tgttgataaa ataaaaacag aaattttttc aaattgtcaa tcaatagatg aatgaaaatg 345780  
tcatgtatat aaatacacat gaatatatct atatacatgt atataaatac acatgaatat 345840  
atctatatgc atgtatataa atacacatga atatatctat atgcatgtat ataaatatac 345900  
atgaatatat ctatatacat gtatacagat atacatgaat gaaagaaaat gtcattgata 345960

tagatatact caatggaatc taattcagcc attaataaag agtaaaatcc tgtaatttgc 346020  
agcaacatag gtggaactgc aggtcattat gctaagtga atagccagg cacagaaaaa 346080  
caaatatagc acgttctcat tcatatacga aagcaaaaaa attggctctc atggaggtag 346140  
agagtaaaat ggttaccaga ggctaggaag aaaagtgggg agggaggcat gaagagaggt 346200  
tggttaaggg tacaaaatac agttaagatag aaggaataag ttctagtatt cagtagtaca 346260  
gaagggaat tatagttaac aataatttat tctgtatttc aaaatagcta gaaaagaaaa 346320

ttgtactat ttccaacaca aacaaaagat gaatgtttga ggtgatggat atcccaggta 346380  
  
 ccctgatttg atcattacac attgtataca ggtatcaaaa taccacatgt accccaaaaa 346440  
 tgtgacaact attatacatc aatttttttt tattttaaaa acaggtttcg gctgggtgtg 346500  
 gtggctcatg ccigtaatcc caacattttg ggaggccaag gtgagtggat tacatgagct 346560  
 caggagttcg agaccagcct gggcaatgta aggagacatt ttgggaggcc aaggtgagt 346620  
 gattgcatga gtcaggagt tcgagaccag cctgtgcaat gtagggagac cttgtctcta 346680  
 ctaaaaataa aataaaataa aaaatcagct ggggtgtgtg gcacattcct gtaatcccag 346740  
 ctactcagga ggcagagggt ggaggatggc ttgagcacag gaggtgaggt tgcagtgagc 346800  
  
 catgatcgca ccaactctgt ctccagccig ggcgatagaa ccagatcttg tcttcaaaaa 346860  
 agaaaaaca aggaggaaag aagaaggaag aagaatacag aaggaggaag aggaaagaag 346920  
 aaggaagaag aatacagaag gaggaggagg aggaagagga agaagaagaa gaacaggaag 346980  
 aagaagaagg aggaggagga ggaggagcgg gagcaggagg gggagcgaga gggaaagggg 347040  
 gaggggagag aggaagagaa agaaggagaa ggagaagaag aaaaggaagg aaggaaggaa 347100  
 acaaggaagg aaggaaagaa ggaaggaagg agcaggaatg aaggaaagga gggagggaac 347160  
 aaggaaggaa agaaggaaga aaggagaaga atgaggagga aggaaaaaga agaagaatta 347220  
  
 aaatacagat ttaataact aaagttgatt aattaatfff tttagaatc taatgaagaa 347280  
 actgctgaat tcatgaaact actcatcaag atcaagcaga acaaaaatta catgacatta 347340  
 agtaactgct gaagataatg tttttatgac ttaatttga aagatttttg actcctaagt 347400  
 gttttgtttt ccaaatttaa ggtaactttt ttcttaagct atctatagtt taaagcaata 347460  
 cggtaaagca tacttttag aacaaagggt gaaatatfca cttttcttc ttacttgatc 347520  
 cctccaaat ttggaaactc ttcatgagta ttcttatggc tgtatggtta ttggataag 347580  
 ttcagtaaaa atctacttfc tctttataac agaatacaat tggaagcatt ggctatatta 347640  
  
 ccaaggcatt gactggaata tcatatttga gaacgtgcat agaatgcctg gtttcaaggg 347700  
 tttccagcct tatagttagt gagtaaatat tgtcacttcc tggcaggccc caaaaacctt 347760  
 aagatggtag gtaaaacctc aaatctacct tggtttgact tcctagcctc aaaaggtttt 347820  
 aaatctgaga ttttcatgtg atcaatatag agataaaaac ttatgtttct aaagaaaagc 347880  
 tataatatat gtgttattag actgtagcct tgtgcattgt ttttgagtcc ttgctatcta 347940  
 cctacagact agactatate ctgaattcct ctagagtcct ccaattcaac tttctcccat 348000  
 ggaattacta aaaatgagac ctcttttggt ctgaagccct gaaaactaaa actagatgaa 348060

ttttaaggga taagtttcat gactgatgga tgtgtcacac agaaagttaa acaaaccacc 348120  
 tgatgccata gccagggaca ttgaaactgc aaaccaggat aagaagttaa tgtcttcatt 348180  
 cctcagacag cttttcccaa gacctcagaa caaccctcca taccataatg agactcttac 348240  
 ctctcttaat gccacacttt ttactttggc aagataatgg tgacattaaa agttaacaat 348300  
 cagaaccttc tgcctggtaac ttgacagaac ctatcctaga acatcctttt tttcttttct 348360  
 tttctttttt tttagagatg ggtcctaatac tgtgatgcaa tcatagctcc cttcagcctc 348420  
 aaattcctgt gcttaagcag tcctcccatc tcagcctccc aagtagctag aactacaggc 348480

acataccact atgctcaatt tattttttta cttttttag agacaggatc tcactatatt 348540  
 gccagggctg gtcttgaact cctgacctca agtgatcctc ctgccttggg atcccaaaga 348600  
 gttaggaata taggcatgaa ccaccacacc caagcaagga gatccttttag tccacctagt 348660  
 agatgacttt ggcatcatcc ccagtacaat gattgatcac tctctgcttt cattaaatcc 348720  
 agtcataaga tattagatga caaaattgct caatattaac tattggctaa taaggagatg 348780  
 tctgtagcta ttgctaatac tacatgctgt acctgggtat attcctctgg gaaagttgag 348840  
 atccataaac acaaaaggag aaaacaggcc acatggttac aagtcttact taatttccca 348900

cagtaggatt tcccacaatc ctactacttg atttattcaa gtagtagcct ttaagcctag 348960  
 tccatgactc aaaactttta taaaactaa gcttattaat ttactttgca ttttcccttt 349020  
 ttaaaacctt atacctattg ctgtttaagt ttttggagaa gtatgactcc tgatagaata 349080  
 atactggcca cgcactttga gatgataaca aagacctatg gaactgacaa aattaactta 349140  
 acaatggatt ccaggtagcc tttagctgaa agccactccc tctaagctc ccttgttgct 349200  
 caaatgtggc taaaatgtt ctgatactga ctctacttg ccaaccactt ccctcaaaca 349260  
 tgggaagacc agaccaaacc aggactggtc tatccagga ctgaaggaca atcaaaccct 349320

aactacagga tgattcatca gtgacgcttt ggagaaagat cctgatccaa aggggggaaat 349380  
 gtgaaagtgt tcagaatcaa aatggagtca ctagtgttaa aaactaaaaa aatagacttg 349440  
 gggaaagcca tgaagacaga attctcacgc actaagccct cataacaaga actatcaca 349500  
 aaggctctga aaaaaacca caaatttgca gaaaggttat cacaacccta cacacaaaaa 349560  
 atacttttgt aagaacatct gccagcaac tgcccttcca acctcagatt ggcaccaccc 349620  
 tttgtattga tcttgttagc caaaactaat taccacaaaa caattataca attgtcattt 349680  
 ttcttttaaa aatctttgtc ttcttttacc tctctgaata tatacatagt ttactatggt 349740

atgtatattt ccattgcaaa gcccattcc taaataaatg ttttctttta gagagtcccc 349800  
 tctattgggt ttttaagtag acaatagtgt acttaaaaca ctctcataca taatacacct 349860  
 ctactcaagt ttacaagaag taacaatcaa ttttctatgt gtacatttac atgtatatta 349920

cagcttaaataa aatattcaga agcatccaca aacctacaac tatgattact gctaggagga 349980  
 agtaagagat tatggctgtg gtgctagtca aagaaaagtt tcatcatttc tgtgaagttt 350040  
 caatctgggg aaagaagcat gtgtcatgta ttatttgtgt aattcatact aagtgtaaaa 350100  
 taatcaatgt gtgtgggggt tacttctatt ttgaaagtg attattattt caatagtatt 350160

gggggaacag gtagtgcttg gttacttga taagtctttt aggtgtgatt tctgagattt 350220  
 tgggtcaccc atcacctgag cagtgtacac tgtgcccaat gtgtagtctt ttattcctca 350280  
 cccccacctc acacactttt cctagggccc ccagagtcca ttatatcata ctatgccat 350340  
 tgcactctca tagcttattt ctcacttata agtgagaaca ttcgttgttt gggtttccat 350400  
 tcttgagtta cttcacttat aataatgggc tccaattcca accatgttgc tgcaaatagc 350460  
 attatttcat tcctttgtaa aatagctgag tagtattcca cagtttctgt atccactctt 350520  
 tggttgatag gcatttaggc tgcttccata attttgcatt gtgaattgtg ctgttataaa 350580

catgcgtgtg caagtgactt ttcatatag tgacttgatt tcctctggtt agataccag 350640  
 tagtgagatt gctggatcaa attgtagttc tacttttagt tccttaagta atctccacac 350700  
 tgttttttat agtggttgta ctagtttaca ttcccacat cagtgtaaaa ctgttccctt 350760  
 ttaccatat ccatgccaat atctattatt ttgtgattt ttaattatgg ccattcttgt 350820  
 gggaataaag tggatcaca ctgtggtttt gatttgcatt tccctgatta ttagtgatat 350880  
 tgagcatatt ttcatatgtt tgttggacat ttgaatatct tcttttgaga attgtctatt 350940  
 catgttcttt gccactttt tgatgggatt atttgttttt tttcttgctg atttgtttga 351000

gttcttctga gattctgggt attagtcctt tgcggatgc atagtttga aatattttct 351060  
 cctactctgc ggggtgtctg ttactctgc tgaatatttc tttgtttgtg cagaagcttt 351120  
 ttagtttaat taagacacat ctatttatct ttgggttttg tttttgttg ttgtttttt 351180  
 tttgtttgt tttgttttt gttttgcatt tgcctttggg ttcttggcca tgaactcttt 351240  
 gcctaagcca atgtctagaa gaatttttcc aatgttgtct tctagaattt ttatggtttc 351300  
 aggtctttaga ttttaagttt tgatccatct taagtttatt tttgtataag gtgagagatg 351360  
 aggatccagt ttcatcttc tacatgtggc ttgccaatta tcccagcact gtttcttgaa 351420

taatgtgtcc tctgccatt ttatgttttt gtttactttg ccaaagatca gttggctgca 351480  
 agtatttggc tttatttctg ggttctctat tctgttccat tgggtctacat gcctgttttt 351540  
 ataacagtac catgctattt tgggtactat aaactttag catagtttga agtcgggtaa 351600  
 tgtgatgtct ccagatttgt tctttttatt tagtcttgc ttggatatgt gggctctttt 351660  
 ttggttccat atgaatttta ggattatttt tttctgttcc tttaaagaat gatgatggta 351720  
 ttgatggca attgcatga atttatacat tgcttttggc agtatggcca ttttcacaat 351780

attgattcta cccgtcagtg agcatggaat gtgtttccat ttgttttgtt cgtctgtgaa 351840

ttctttcagc agtgttttat ggttttcttc gtaaagatct ttcacctctt ttgttaggta 351900

tattcctaag ggtttttttg ttgttttgtt ttgtttgttt ttgttttgtt tgtttgtttg 351960

cagctactgt aaaaggggtt gcattcttga tttttcagat tggtcactgt tgggtgatag 352020

cagtactact gatttgtgta catgatattt ttatcctgaa attttactga attcatttac 352080

cagatccagg agcttttttg atgggtcttt aggggtttct agctatgcaa tcatacact 352140

ggcaaacagt gacagtttga ctttctcttt accagttagg atgcttttat ttctttcttt 352200

tgtctgattg ctctggctag gacttccagt actatgctaa atagaagtgg tgaaagtgag 352260

catccatgtt ttgttccagt tctcagggga aatactgtca acttttcccc atttgttata 352320

aagttgtctg tgagtatgtc atagatggct ttattacct taaggatgtt cccttctttg 352380

ctgattttgc tgagagtttt aatcataaag ggatgctgga ttttgtcaaa tgctttttct 352440

gcatctatta agataatcat atttttgttt ttacttctat ttatgtgggt tatcatattt 352500

attgacttga atacctgaat acccggtatg aaaccactt gaacatgggt tattatcttt 352560

tttttttttt tttttttttt tgagacggag tcttgctctg tcgcccaggc tggagtgcag 352620

tgggtgaatc tcggctcact gcaagctccg cctcccgggt tcacgccatt ctctgcctc 352680

agcttcgcga gtagctgaga ctacaggggc cggccaccgc gcccggctaa ctttttgtat 352740

ttttagtaga gacaggggtt caccgtgtta gccaggatgg tctcaatctc ctgacctcgt 352800

gatctgccct tctcgccctc ccaaagtgtt gggattacag gcattgagcta ccgcaccg 352860

cctattatct ttttgatatg ctgttggatt cggtttagcta gtattttgtt gaggattttt 352920

gcatctctgt ccatcaagga tattgttcta tagttttctt atttacttag gtcttttctt 352980

agttttaata ttagggtaat actgggttca tagaatgatt tggggaggat tgcctctatc 353040

tgtatctatt tacgctttta ggaagtcca ttttgggtga ttttgaggtt ttatttcaag 353100

atttagaact ttatcttttg gaatagtctc agtaggattg gtaccagttc ttctttgaat 353160

gtctgacaga attcagctgt gaatccatct ggtcctgaac attttttttg ttggcttttt 353220

aaaattactg ttcaatctt gttacttgtt attgctctgt tcagagttcc tatttcttcc 353280

tgttttttgt ttgttttttg gttttgggtt ttgttttgtt ttgttttttg aacagagtct 353340

tgctctgtca cccagactgg agtacagtgg tgcagtcttg gctcactgca accttcacct 353400

cccaggttaa agcgattttc ctgcctcagc cagccgaaca gctgggatta caggcatgct 353460

ccactatacc cggctaacct ttgtattttt aggagagaca gggttttgcc atgttggcca 353520

ggcttgcctc gaaatcctgg cctcaagtga tctgcccgcc ttggcctctc aaagtgtga 353580  
gattacaggc atgagccacc acacctggcc tctttctggc ttaatctagg aggtttgtat 353640  
atttccggga atttatccat ttctctagg tttccaatt tgtgcacata aaggtgttca 353700  
tagtagcctt gaatgatctt ttgtaattct gtggatcgg ttgtaataac tcccatttca 353760  
tttctaattc aatttatttg gatcttctct ctcttttct ttggttaact cactaacggt 353820  
ctattgattt tgtatatctt ttcaaaaacc agcttttctg ttcatattac ttttgtattt 353880  
ttttggtttc aatttcattt agttctgtc tgatctttgt tttttttt ttcttctgct 353940

gggcttgggt ttggtttgtt ctgtttctc tagttctttg agatgtgagc ttagattgtc 354000  
tatttgtgct ctttagact ttttaacgta ggcatttaac gttatgaact ttctcttag 354060  
catcactttt tctgtatctc agaggttttg ataggctgtg tcactattat tgttcagttc 354120  
aaataatttt ttaatttaca tcttgatttc attgttgacc caaacatcat tcaggagcag 354180  
attatttcat ttcatgtat ttgtatagt ttgagggttc cttttggagt tagtttccaa 354240  
ttttattcca ctgtggctg agagtgtact tgatataatt tcgattttt taatttactg 354300  
agacttgttt tgcagcctat catatggcat ctcttgaga atgttccatg tgctgaagag 354360

aagaatgtat attctgcagc tgttgggtag aatgttctat aaatatctgt taagtcatt 354420  
tattctaggg tatagtttaa gtccactgtt tctttgtga ctttctgtct tgattatttg 354480  
tctagtgtt tcagtggagt atcgaagtcc tcactatta ttgtgttggc atctatctta 354540  
tttcttactg ctagtagtaa ttgttttata aacttgaaag cccaatgtt atgtgcata 354600  
atattaagga atgtgatatt ttctgttgg actaatcctt ttatcattat ataagtccc 354660  
tctgcgtctt tttaaactgt tgttgtttt aacagacttt aagctgttt tgtctaataa 354720  
tagctactcc tgatgacttg tggtttccat ttgcacggaa tataattttt cacccttta 354780

ccttaagttt atgtgagtc ttatgtatta ggtgagtc tgaagacag cagatatttg 354840  
gttggatgaat tcttatccat tctgccattc agcatctttt aagtgagca tttaggccat 354900  
cgtagtatt gaaatgtgag gtaatgttct attcatcatg ctagtgttg cctgaatacc 354960  
tcattttgtg tgtgtgtgtg ttattgttt gtacgtcttg tgagatttat gctttaaaga 355020  
agttccattt tggggtattt tgaggtttta ttcaagatt tagtactccc tttagcattt 355080  
ctttagtagc tggcttgata gaggcaatt ctctcaggat ttgtttgact gaaaaagact 355140  
gtatctttcc ttcatattat aagcttagtt tagctggata caaaattcct agctaataat 355200

tattttgttt aaggaggcta aagataggac ccaatctct tctagtgtgc agggtttctg 355260  
atgagaaac tgcgtttaat ctgacagggt ttcttttata agttacctga tgcttttgcc 355320  
tcacagctct taagattctt ttctttattc tgactttagg taacctgatg actatgtgcc 355380

taggttataa tctttctgca atgaatttcc tgggtgttct ttaagcttct tatatttga 355440  
tgtctagatc tctagcaaaa ccaggaagt tttcctcgat tattccctca aataagcttt 355500  
ccaaactttt agatttatct tcttccgtgg aacaccaatt attcttatgt ttggttggtt 355560  
aacataatcc caaatttttt ggaggctttg ttcaattttt ttgctttttc ttgtcattg 355620

ttgaattgaa ttaacttgaa agccttgtct tcaagtctcg aagtcttttc ttctacttgt 355680  
ttgattctat tgttgaaatt ttccagtga ttttgcatth ctctaagggt gtctttcatt 355740  
tccgtaagtt gtgattgtct gttctttatg atatctgttt cactggaggc tttttcatcc 355800  
atatcctgta ttttttttta atttctttta gtltggttttc atctctctct agtgcctcct 355860  
tgagtagctt aataatcaat ctctgaact ttttatctgg caattcagag atttcttctt 355920  
ggtttgaagc catagctgga gagctaagtc gatcttttgg ggggtgtgata gaatctcgtt 355980  
ttgtcatatg aacagttact ttttggctcc ttcttatatt gatagacttt ttcagtggaa 356040

gattctggaa ctcaagggt gctgttcaga ttctttcatc ccacatgggt atcccttgat 356100  
gtgggtgtct cccctttccc ctagggatgg ggtttcctga cagccagact gcagtgattg 356160  
ttattgccct tgggggtcta gtcacccaat ggggctactg gattcctggc tcatgtctga 356220  
aatgtctgc aaagagtcgt gtgatgtgat ccatcttcag ctctcccagc catacatacc 356280  
agcaccgggt ctgggtggagg tggcaaggga atgaagtgga ctctgtgaaa gtcctttgtt 356340  
gtaattttgt ttagtgtact tgttttctca aatgctgggt atgctagcag tgaagctttc 356400  
atgtggacag gtcaggacc tctggttagc caggttgttg caggcagtgg aattagctgt 356460

tgttttctcc ttctttggag cagggttgtt ctgacttgct gtaatgtatt gagttggttg 356520  
gcctccagcc aggagatgggt gctttcaaga cagcatctag tagaaggggg atataatctt 356580  
accctatgtt ggccagaatg agtacttggg tttctcaggc aatgggtagg gccatagagc 356640  
atagagctcc caagagtttt tgtcttttgt ctccagctac cagggcaggt agagaaaagc 356700  
catcagggtca gggcagggtt aggtgggtct gagctcagat tctttctggg tgaggcttgt 356760  
tgtggccact gtcggggatg ggggtgggtc tcaggccaat ggggttatgt tcccaggggg 356820  
attatggctg cctctgtctg atcatacagg ccaccaggga ggtaggggaa agctagcagt 356880

gacagacatc accagctcc tatgcagcca ctaaggccag tctactccc actatgccc 356940  
ccaaccacac tgagtttata tataggcagc tgggtggcag ggctgagatc ttgccccagg 357000  
ctacaatcct cccactgag aaagcacaca gggctctcag gctttgtctg ttctgcctg 357060  
cccacgcat cagctgtggc ttgtatactt gtatcggcac ttccattca ccatccccct 357120  
accaccacca attgtggta ggaaaatttg tgcctagttg aaattattac aaagttcagc 357180  
tgggagcttc ctccacctg tggctcctcc ccagttctgc tggctgcctt cctttccca 357240

aggacctctg ttagattagg ccaggaatgg cttccctggg ttgagctggg gactgggagt 357300

gcctacaggg ctcttcacac tgcttcttct acttttatat ttcacctggg tccctaaatc 357360

catttcagct ctaggtaagg ttaactcctt tcccctgat ctagattttc aggttcccca 357420

gtggggtgtg tggtcagagt ctgacttatt cctctatcac actttggaaa ctgagttttt 357480

tggctgtctt gtggcatttt tctcattatg tgttttgatg gcaattaaag agtcactcct 357540

tgaaagtagg tgtaagaat gatgggtttg tacttcccag aaagcccaga catgtaaaac 357600

ataatactgt ttgcctatta ggctctagta taagcttggt aaatgaatga tgaaacgagg 357660

ttggagctag aatatgaact accttaattt tcatgttcaa gagttagtag tttatttggc 357720

agggcagata aattaaatga gatgatacgt ttaacacagt tcctattgat acattttagc 357780

ttttatgatt aatagtgcct ttcaattcta tcccgttca taaccagaag atggagctcc 357840

aaacatttaa acttaaaaaa aaaaattctc ctgttttggt gtattcttgg tagaggctgt 357900

gctcttattt cgttgggtct gggttctttt gtccccacc taaatcctc cattctaatt 357960

ttgttctcag gttatcaaaa tccatttgct gactacagat aggaggagtg atctgtgtga 358020

gaagctacac atagatcctc tttttctacc tctggggact tatttgattc atgcacctgt 358080

tcatacatat ttttatccaa ctctccccac ttgttctc cctcttcaca tggaaaagcc 358140

attgtgactt acagttgta cagcaactgt aaacaggtgc tgacattcta tgcattcctca 358200

tgggaggaaa aatgccagca ctaccacaca cagaatttgt tgctatatgc aggaaaaagc 358260

atgtgacagg gctagaaata catttttttg gactgttctc cagtttgtgt ccttttgcaa 358320

cataagttcc ttagacatct aaagactcat gggaaataat taatttctaa tttttcatat 358380

cattcattct actacactta tattgatatt attaatacct ttattattat tacctttatg 358440

tttattaata ggtatatctc tagctattta ttcaatatc actctttcat tcaacttttt 358500

tcaataaata tttattgagc agcacagcag cattacagga gggttatgga tttgtggaac 358560

acactgaccc ccatcccaa tccctgcat acacatatcc tctactata agtctttaat 358620

agagctatcc aagaatacat ctggctacaa atacctggct aagagttcca ggagtgtttt 358680

aagcaggagc aacagcactg cctattcaaa tttatctctt gccctttatt ccccatacca 358740

aaggcaaac catcagagat tctggtgaagt ttccactgtg gtaaagtctt gcaagagtta 358800

aggggaaatt ttctgtctc atcattctc tgttatactc ggatttacct caccattgtg 358860

aaattacact aatatafaca ccactgttca aggaacatt tatatacatt tggctcttcc 358920

gtttcttgat ccaaattcag cttcaggaga tacatgtctt caccctggat caaccacctg 358980

gcattccagc aaaatctacc cctactttcc agagtctttt aaaggcaatc atatgtctgt 359040  
 atttaccaaa tctctcaaag gctctaaatc tatatctcta aatatccgat gggtatttca 359100  
 tctggcaaat tcaaaaatgt ttacattgaa ctcatTTTTt tctctatatc acgcttggtc 359160  
 tagatgtttg tccctccaa acctcatgtt ggaatctgat caccaatgtt ggagggtggg 359220  
 cctaattggga ggtgtttggg tcatgggagt ggatcctaca tgaacagatt aatatcctcc 359280  
 ttcaagggtg agtgagtcc cattccatta gtcccaaga gagctggttg ttaaaaagag 359340  
 cctgccgctt tccccacct tctcttggc tctcttttg caatgtgatc gttgcacgta 359400

caagctcccc ttcaccttcc accatgaagt agaaggagac tgaggctctc atcatgcaga 359460  
 tgcccaatct tgaactttac agccatcaga atcataagaa aaataaacct ttttctctat 359520  
 aaattaccta gtgtcagata ttctgttatg gtaacacaaa attgaccaag ataatccctt 359580  
 tactctctaa ctctctctc agctttctgg atatcatTTTt tatgcaatca cctacttagt 359640  
 aatctaaatt aaaaatcttg aagtaatcac ttgatttcac ttctacctta cttccacat 359700  
 ccagtcagca agtcctgtac attctacctc cacagtgtgc cctcaattca gttcttgac 359760  
 atgtatttgt cagaaagttt ctctctccac aataatttca gtagtctctt agttatctcc 359820

attgtcttcc ttctcaagtc ttctaaagag tctacattaa caccatacta gggttgccag 359880  
 gtaagataca gggtttcccg tatatttgtt tgttaaactc ggcagctttg cacatattca 359940  
 tcttctaaa catgtttctg gtcatgtaac actgccatTTt acactctctc tccccTTtct 360000  
 attactgaat tagttttttt taagttgttg ttgttgttct tgcttctgct gctgttgttt 360060  
 tagtttctta tccattagat aattaacct acattagcct atcactcaac aaatatttaa 360120  
 attaggttgg tgcaaaaaaa aaaaaagcc cgcaatgact tttgcaccaa cctaatatct 360180  
 ggtacctgcc atatatgaaa cactcaggtt tgtgttggg agtatgcaa aataatttat 360240

agtctctatt cttcaggcgt tagcaagctg aataattatc attgacataa agaaacacaa 360300  
 gcagtccagg catgatggct catgcctgta aaccagcac tttgggaggc tgacacgggc 360360  
 agatcgcttg agctcgagt cgagaccagc ctgggcaaca tggcgaaacc ccgtctccac 360420  
 caaaaataca aaaaattagc caggagtggg ggtgccctcc tgtgtccca actacttggg 360480  
 aggctgaggt gggagggttg ctggagccct ggaggcagag gctgcagtga gccaagatca 360540  
 tgccactgac tccagcctgg gtgacagagt gagaccccat ctcaattaaa aaataaaata 360600  
 agaaaaagaa aacgaaacac aagcaatac agagtgctaa aattcaattt agactagagg 360660

gatgagagtg aggaggttcc caggtttgta ttcacgttac ctagatttta atttgaccta 360720  
 aggccagcga aaactttttt taacccacc cacacctag tcttaaaaac cagtcactga 360780  
 aacaagttaa ctctccacc tctaccttg acctggaaca aagttattcc tggctaacaa 360840

agcttttccc tcactgtaca aagtagaaga cagcaagttg tctttattca gtttcataac 360900  
 ggagaaaagt gagtataaag gttgtacaat ataaacacag aatcttaaat cactagagga 360960  
 gccaggaatg gagctcaaca cttacgagta ttttttctga agtaagttag tctctgaaca 361020  
 agcacctaat cticaatgaa taaaccaatt ttatgtgaat aaacaaaata tagggaataa 361080  
  
 gcaaaacgta agacaatata ggaatagctg tttcaaagtt tcaaaattac aaagcaaaaa 361140  
 tctgaagatt tttctgaaca tctgcttctg gggaatttca aactactaaa tgagattcac 361200  
 tgggtcacag agaaatgatg atgtctactg tatggcaata gctttcaaaa gataaccctg 361260  
 gtattttgtt gaggattttt gcatctctct tcattataga tattgccctg cagcttttctt 361320  
 ttttcatgtg tctttccag attttggat cagggtgatg ctggcttcac agagtaagat 361380  
 aggaagagtc cctccttctc aatgtttttg gaatagtttc agtagaattg gtaccagcta 361440  
 tttttgtac atctggtaga tttcggtgt aaatccatct tatccaggga ttttaggggg 361500  
  
 atggtaggtt tttttattac taattttgga acttgatatt ggtctcttca gggttcaatt 361560  
 tcttctgat tcagtcaga gaggcatgt gtttcatttc caggagtgt ttcatttccc 361620  
 tctagatttt ctactttgtg cgcctagagg tttcataat agtctctgat gatcttttgt 361680  
 acttctgtgg gatcagttat gatgtcacat ttgtcatttc tgatcatgct tatttgaacc 361740  
 ttctcttttc ttgttaate taattagtgg tctattgatt ctattgatct tgttcacct 361800  
 ttcaaagagg caacttttgg ttttggatg actttatata gattttaggt tcccaatttc 361860  
 ctggactttg gtcaccaatt tagttatttc ctttctctg ctactttta ggtagtttt 361920  
  
 tttctagttc ctttcatgt gatgttagat cattaatgt agatcttct aacttcttaa 361980  
 tgtagacatt tagtgtata aactttctc ttaatgtgc ttttctgca tcccagagat 362040  
 tttagtatac tgtatctcta ttttcaaaga atttttgat tctgccttg atttcttgt 362100  
 ttacccaaaa gtcattcaga agcaaattgt ttaatgtcca taaaactgtg tgcttttgaa 362160  
 aaatatttt ggtattgaat tataatttta ttccactctg ggccaagaga tggtagcat 362220  
 tatttcaact ttttgaatt tattaagact tgctttatgg ccaagcatgt ggtcaatctt 362280  
 ggagtaggtt cccattaaa aagcaggcaa aagtggctgg gcacagtagc tcatgcctat 362340  
  
 agtccagca tttttggagg ctgaggcaag aggatagctt gagctcaggc atttagacc 362400  
 agtctgggca acctagtaag acctgtctc tactaaaagt taaaaataa agttagccag 362460  
 gcattgtggc acaactgtgg tctcagctac tcaaggagct gagatgggag gatcacttga 362520  
 gcctgggagg tcgaggccgc agggagctgt aatcgtcca ctgtactcca gcctgagcaa 362580  
 cagagtgaga cactgttgc aaaaaaaaaa aaaaaaaaaa aaaaaaagt aggcaaagga 362640  
 catgaacaga tacttttcaa aagaagacat ataatggcc aagaacatg aaaaacatgc 362700

tccacaccat taatcatcag agaaatgcaa atcaaaacta caatgagata ccatctcaca 362760

ccagtcagca tgccaattat taaaaagtaa aaaaacaaca gatgctgggtg aggctgtgga 362820

gaaaagggaa tgcttataca ctgttgggtg gaatgcaaat tagttcagcc actatggaaa 362880

gcagtttga gatttctcaa agcacttaaa acagaactac tattcgacct ggcaatccca 362940

ttactgggta tatagccaga ggaaaataaa tcattctacc aaaaagacac atgcacttgt 363000

gtgttcacat cagcactatt cacaataaca aagacatgga attaacctag gtgcccatca 363060

acagtggact ggataaagaa aatatacacc atgaaatact atgcagcata aaaaagaatg 363120

aaatcatgtc cttttagca acatggatgc agctggaggc cattatccta agtgaattaa 363180

cacaggaaca gaaaatcaaa taccatatgt tttcacttat aaatgggtgc taaacctctg 363240

gtaccaagg acataaagat gggaacaata gactcgggtc tattagaagg gggagcgagg 363300

gaggggacaa ggactgaaat actacctatt aggtattatg ctactacct cggatgatggg 363360

atcatcgtc ccccaaacct tagcaccaca caatatgtc atgtaacaaa cctgtgcttg 363420

tgccctctga atctataata aaacaaaagt tgatactatt ttaaaaacac acagagagaa 363480

aaggaaactt tggaaaagaa atgtaacat agaattgtga aatatatcta acccatatat 363540

ttcttgcata tgttcacaa tgctatagaa ctgatataga actagatgac tattggaagt 363600

tttaataata agcaattcca tgatatcttc agaaaaaaaa aacaacataa aaattgcata 363660

gttgaggagg aggaccagaa aagaaaactt atcttttact tttatccttc tatatatttt 363720

gaattccgtg atatggcaca tataattatt tttaaactt taaataaaat attttaagtc 363780

tactaaggca tctcaactca ttatgaacat acaatatctt gagggggttc tttgtttgtt 363840

tattggcctc actatgttgc ccaggctcaa gtgctacagc tattcacagg agtgatcata 363900

gcacactgag acctcaaact cctggcctca ggtgatcctt ctgcttcagc ctcccaagta 363960

gctgggccta gaggcattga ccaccacacc caacttagac acacagtgtt tttatttttc 364020

cagtaaatgc cccaaacttt cctgggtgaac ggtaaccccc caaatatata ttgcctaatt 364080

ttgtgctttt cagtctaatt tggttattag aacactctca ttcagatatt tcagacttag 364140

tcctattcat ttaaacactt cgattttata ttcaatcata actctacatg tcccattacc 364200

cagaagaggt tagaccttca gttttagatt gaaagttttg ggaatttggg ggggtggggg 364260

aagttaggtt ggggtgaaggg aagagtctca actctctgtc accaccacca acctcttctt 364320

tcctctgggt gtgacctctt ttgggattgg gaaagggaga aaggagaaaa caaaaaggaa 364380

gcatgagcat ctctgcatac aactgttgct atgctctctg cagttgatgg taaccactag 364440

tttagcctat tgcctccggg ctcgatgagg accagagggtg gctctaagtt ttcctttaga 364500  
 tgaaagatct gtttaccttc ttggcagat gcaggcttgg tggcattctc cacaggtagag 364560  
 cccctcattg cccccacac tgcataatc ctgggacatt tgtggtttcc aatctcatat 364620  
 tctctgcacc aactctcaag tctgcaggca tgtgaggact ttaccctat ttgaaggag 364680  
 gaggccattg tcaccggccc ccacctccac ctgaaaggc cccactcatg ccttctccac 364740  
 tgcattctat tttctcatat ttcatagca aataaagcac atcaggaagt ctactacttc 364800  
 agaaggctcat acagccagga aacaaaatgt ctgtttatct ttttttcaa gttatttgct 364860

tcttttcaag ttatttgctc gagctccct ctctcacata ctgacttga gagaatgaat 364920  
 agtctgtaca catactccc aagagggttg cttctctct cccaacctcc cctgggagat 364980  
 gggaacagcg atgggtggtt gggccaattc cctaactagg ggcatctcag aaagccctgc 365040  
 agaaggatgg ctgattccaa tttctgatga ctctataaat ttagaatatg gaacacattg 365100  
 tattttttgt cctcagtttg ggtcttagca gtagttacat ggcataagga aaattcctcc 365160  
 ttgacacct ataagtgtt tctatgtgct tagttcccat catccatata tgattcagac 365220  
 acatccacaa gtttagtttt aaataattag aatttttttt taatattggc tctcaaacct 365280

agctgcataat taatctactc aaggggcttt tggctgtata ttaatctact caaggggctt 365340  
 ttggttttgt ttttctttt ttttttttt ttttaagtaca gacttcttgg ctctatctga 365400  
 gatccacttg atcagaatct tcagggtgtg gtccaggcaa tctacaatag attcaaatac 365460  
 aagcagtctg acatttaaga accttgggtg agaactcaat aaaagagaaa gattttaatg 365520  
 aaaggtcagg attttctgat ttgggttaat atataagccc catggacaga aacctgcct 365580  
 atctgattca tttttgtagt tccaacactt agaatagtgc ctagctcata gcagactttc 365640  
 aataaatatc tattgcatga atgaatggat gagtgaacaa tttccatttc ataggtaaag 365700

caattaccca tgtcaccaat atgtaccaca gcacacagtg ggaaaacaag agtctactgt 365760  
 cctagtctgt tcaggctgct ataacaattt accataaact ggggtggctta aaaacaaccg 365820  
 aaattttatt ctgacagatc tggaggctgg aaagtccaag atcaaggcac tggcagattt 365880  
 ggtgtctcgt gagggcccat ttcttgattc acaaaaaata cttcttggc acatctcac 365940  
 atggtgaaag ctctctggag cctctgttta taaggatact aatccattc ctgaaggctc 366000  
 tgcccttatg aactaatcat ctcttaagg cccaacctcc caactccact acattggtga 366060  
 ctgggtttca ataatgaat ttgggggaaa tacaacatt cagatcatag catctacaa 366120

gagaaaatgc atctttttcc tgtggtcatc ttcatataaa cagaaatgtc ttttttgaac 366180  
 ttgggtgtaa atagacaag aagactactt agagaggctg actggccact tcagtaggac 366240  
 ttctcagggc tgcttagcaa ccatgatgag atctggacca tgcagaatct ggaactgacc 366300

aacacagaag aaatcatagc aaaagtgggg agctggatga tctccatggt caccaagcta 366360  
 tcacttggca catccctttt catcataaca atacctgtca acatgaccag accatttaaa 366420  
 ttgaagagca ctggggatit actaaaaaat tttccttcac tggctacttt tcctccagat 366480  
 tccactctgt ttatcaaacc ctaaggttaa tcagtctttg cctaagcaag tcataaagta 366540

attgattcta tctgagccta ttacattaca atcatgttta aggtccctca cgctgaggat 366600  
 acattcacat ccctcctgat agggtacatg gtctacaatc agatgaatta gtaaggaaaa 366660  
 agatgatgcc ttggagtgtg tttgaggtgg tgggtgtcat tgttatgggt tatitttgcta 366720  
 ttattgttga tactactatt attgtataa actgttcagt gaagaataaa gaatctcttc 366780  
 ctgacccac tgcaggaaag aggaagcact ggtttctgaa gggagaactc cctgattccc 366840  
 tcaccaagag ggcagcaact aaacagcttt taaacttgag gtagattgga ggggattaat 366900  
 ctaatcctct gggagacgta gtatagaaag ggatggtgaa agttaccacc aggggaagca 366960

tctccaatgt gaaatgggga caggatttgg agttatcaca gatggcaagc catggtttct 367020  
 cctgacacaa agcatccagg attgggggag gggagagctg aatggcaaga gaaggctgga 367080  
 cattaggcca ggaagcctca gccaaagatc ccacttacca gtaggaaatg gtgacaggag 367140  
 ccactcatct ccaaactggg tccattgtc ttagacaaga agctccaggg caggcactgg 367200  
 gcacgatggt ttgcacctgt aatccagct attcaggag ctgaggtaga aggattgctt 367260  
 gagaccagga gttcaaagac agcctggaca acatagttag acctctgtct ctaaattttt 367320  
 ttaattacat atatataata tttttatat atattatatt tatatatata catatatata 367380

tacatacata tatatataat tttaaaagct ccagggcaaa gaagctccca tcaaaatcct 367440  
 taatctaatt accattcaat tcaaataata tttaatgagg aataaagaat ttaagacttt 367500  
 gtgcttcaca ctacaaggga cactatcttt aaagtgtgac tactttcagg tagtttatat 367560  
 tctcctagga gatggagaca tttcccaagc tactataagg caagaagtgc taactattct 367620  
 aatcaagctc aatgacagt gaggcaaagg aaaagataaa cattttctac tgatgtctgt 367680  
 tgctttccaa ataacttgaa taacttatit gccataact ggcttctacc cctatctcct 367740  
 tctgcattcc ataaagcccc aaccaaacgt gtctacttag gtcacaaagc atgttgtggt 367800

ttccagctat cggctctaac gccacctcct ctggagtaaa tcattgttcc agtcctctct 367860  
 tcctatccaa atgtactca tttatatacc accttttct taaaaacttt ctgggaccca 367920  
 ctgaactctt atcttttccc tcttggcac ctgagccaag tggcctctcc ctctaggta 367980  
 tctgagtcac tcaactggaga gtctttccct ccacttttct gaatctccaa tgacctccat 368040  
 aagcactact actcttgggc ccacagggtt accaggttct tctgcctga catctccatc 368100  
 ccagtccagt atcccagct cacaccagt gcctctgcct tgtggcttgg tccttccttg 368160

cctgggccac aatctccagc tctacctcia gcagttaagg gattggggcc tttgtgttgg 368220  
  
 ctaccacagt atcctacctc tactaatgac tttgcatatt cttccctcc aatgtgtgtt 368280  
 ttgtgtgtcc tgcattttat cttagcctat gaactgcctc aggaaaaaaa aaacaaactc 368340  
 agcataatit gactgtgact actttaagga atataagtag agcaccacaa tatagatgaa 368400  
 ccttaaaaac attatgctaa gtgaaatagg tcatacacia aaagaaagat actgtatgat 368460  
 ttcatttaca caatgtgcct agagtaacca gatacataga gagagaaagt aaaacactgg 368520  
 ttacgagggg taaaaggggg ggaaaatgaa gagttattgt ttaatgggta cagagtttca 368580  
 gcatgggatg aagaaaaagt tctggagatg gatagcagtg ataattacac aacaatgtga 368640  
  
 atgtactaag tgccaatgaa ttgtgtactt aaaaaagatt aaaatggtaa attttgctat 368700  
 gtatatacca taataaaata aagaaataaa aattttaaat gaattgttca aaaaagtaca 368760  
 gtactgaggg ttcatgagaa aaccaaagt gagatctcca ccagtacca tccttttgag 368820  
 attcctaact agtgggctaa atactcctcc tactgtgata tcctaagaca atatttgctc 368880  
 tgcaagtacc ttgggtcttt ctactacag tcttcacctc ccaggatcaa gtgacccctc 368940  
 aaccttagtc ttccaagtat ctgggaccac aggtgtgtac cactttgtag cctgattctg 369000  
 aatgggtatta ccttaaaatc aagtgtatta gtggtttgga gccaacagtt actgagcaaa 369060  
  
 catatttcat taaaatatg ctctctattc actatccac tgttggactt cccacctctg 369120  
 tggacttcat gcccatgga ctcaacctta ttgcttctt gaattgtgag catgtttctc 369180  
 tcacaagaga ggaaccaatc cctccaatg tccccatit cctgtttatc tcacagaagc 369240  
 accattactc tctagaatc atgagccctt ggtgcctcta aagacacagc cctctctac 369300  
 ctccccaggg atcctgttgc cataaccact aaatttatit cccttacagc tctcaaggct 369360  
 cttcattaat acttgtcttc cccaccacat aatgtttctt tatattatit acctctctaa 369420  
 aaggcagagg cctgtctta tatgtcttta tactctttgc agtatctttg actatgcatg 369480  
  
 ccacattttt tgaatatata ctagtatgtc acttagacat tttcaggaat catcacaaca 369540  
 ccaatacaga aaagacttag ttataaaatt aaccacagaa tttctttaag aataaattta 369600  
 ttttttaata tttttcttct gcttgcctaa gttcccaaca tttcacgcaa gctgtttacat 369660  
 aacaactaga tgcaatgigt tatcacaggt tggattttgg aagacaaaag aaacattaga 369720  
 gaaaaatgag tgaagtctga aaaaagtctg aagtttaatt aatagtatg taccaatgtt 369780  
 gccttttagt tttaacaaat gcacaatggt attgtgagat attatcatta agaaaaacgg 369840  
 agtgagtggg atatggaac tatgtcctat cattacaatc tttctgtaaa tctaaaatta 369900

ttcaaaaatc aggccatgag tcactactca cacctgtaat cccagcacct tgggatactg 369960  
 aggcaggccc atcacctgag gtcaggagt cagaccagc ctggccaaca tggtgaaaat 370020  
 ccatctctac taaaaatata aaaattagcc aagcgtagtg gcacacacct gtaatcccag 370080  
 ctattcagga ggctgagaca ggagaattgc ttgaaccag gaggcggagg ttgcagtga 370140  
 ccgagatcgc gccaatgcac tccagcctgg gtggcagagc gagactctgt ctcaaaaaca 370200  
 aaaacaaaa caagaagaag aaaataata aataaaaagc tgatttttaa aagatcagtt 370260  
 cataccttct ccagtcact ttaggagcaa aggataaac gctgaccct gctgatggaa 370320  
  
 gaggtcactt ttctaccctg ggacttagaa aaccaatgcc acagattcat gtccatctat 370380  
 atacatggct taatactctt ttcctatcct gatTTTTagg tccttgttc cattttgagt 370440  
 tttgttggt agagaacgga aatggccct tgaatttgt ttctgagaag tgatcacctg 370500  
 agactctct accaaagcca gaaagtcca gaaagagttt aaaaatttg aaaatttaca 370560  
 gaaaaaata caagctaatt actgcctgga cagttttaac aattcattca aaatgggcaa 370620  
 cccaagcatc acatgaagat acagcctaag ttaactgtct tgtatcacat taacaatata 370680  
 cttaattaat ccaagaatat atatatTTTT tgagacaaac tatcactctg tcatccagc 370740  
  
 tggactgcgg tgctgctatt gtagctcact gcagccctaa actcttgggc tcaagtaatc 370800  
 atctcgctaa ttttttggtt gttttttta gaaacagtgt cttgctatgc tgccccagcc 370860  
 tccccagtgc ctgggattac aggcataaac accacacct gcccaagact aactgaaat 370920  
 gagtgtactt ttttttggtt tttcttctt tatatataga ctacagccc agtgtacatt 370980  
 ttatgctatg agatatctat gtctccaaat actctttaat ttactttggt agtaaaacaa 371040  
 tcctcaaagg gaaaaatgaa aaacaagctg agccaaaaga atgtgatcta ccaaattccc 371100  
 agggctgaaa ttcaaaatg ttttgcttgt ctattataat ctggtacaag acacgtcaa 371160  
  
 acatcttate aaatatgata gataaaccca gaagattcct atcaagtcta tggccactgt 371220  
 gctcttaggg aataaagtag actcaagaga atcataagat gtaaccaga agaagttcat 371280  
 agtgaggcta tagtaatgca ataaggaaga aatataatag gacattttat tccccctgt 371340  
 cccagagat tgacaactat gaggttttct actcaattga tgtaggaaaa atggggagac 371400  
 agtctggctc aaggcaacaa ctatctaata aataatttag tgttgcatag aaaagcatag 371460  
 tctacaccaa aaaacctctt gaacactcag caggcagttt cttacataat acttataaca 371520  
 glaaatatgc tcatataaat tcatgcttct tttggacact tttgccttct aatgtttaat 371580  
  
 ttacttgac ataattcaaa gaagtggagc caagggtgag aaagggtttt tttgtttatt 371640  
 ttcttagatg aaaacagatg tgtataacag aacaatctc cacatgcaac taatgtattc 371700  
 agtcacagaa cccagacagc attacgttta ttcacctaag ggcttcactt tttaatgaat 371760

agctttcact atttaatttt aaaactttcc aaatgggaca ttatattact gtctttcttaa 371820  
 aagaaaaatt tggctcttggg aaaattcagc tttatttttc ttccttttagt ttagatata 371880  
 taatctcaaa caatttgctt cctttttcct caggttgtct ttctactact atcttcaaaa 371940  
 ataaaaatag tcattttttc aacattgtgc attatactaa tcaaaaagct atttacatgg 372000  
  
 aaatataaag aattatttag taaatgatga ttgatataa gtaaaattat ctttaaata 372060  
 taccgcattc ccatagatta aaaagacaat agtaaaaatg aaaccataaa gatctatagg 372120  
 tagctcttgc ctttcttctt tctctttcct tcttttcag aagaatttgg ttataaagcc 372180  
 tttcagcaga gacaagtagg ataggatagg catttgcagc aggataggga aagccatggt 372240  
 ggtaagatga gggtaagatg agcatctgca taggagaagg cctagcatag atgttggaag 372300  
 ctgggcaggg tgaggagggt acgcaggcat gagggtagcc tgactcaggt tgcggaacc 372360  
 tcagtaggat gaagaggga tacacacaat ggcgtccaac aacagtagcc ctgcaggga 372420  
  
 tgttgagacc caagtgatat aaagaagtct ttgttgtgag aggtgatgat ggtggcaaag 372480  
 gcagagtggg gcatatgaga gaactgatca aataagtaaa agtactaaca ataagagat 372540  
 ccaggaataa aatgagactg aactttgtgg tgatagatgg caactatagg catcagtga 372600  
 aatgcagtga tttccagtgt tatttatata aagggaata aacatagata taagtgtgtg 372660  
 tatgcaaata tcccctagct ctattcacag agaaagaacg gtgatatccc aatagtaata 372720  
 attgcacca gcatgcaaat catggtttct aaataccatt cttcccaaa ggaaccaggg 372780  
 ttccttggag aaatggctga ttcaagagct ggagcagaaa gtgtgcaaa tgagcatgaa 372840  
  
 aaatctgatt gtgacacgic aaaaggacag agaagccagt ttataggtat tcaagtctca 372900  
 aggtacctcc ctgagaaata ttttgggttc tatctcttgt ctattattct gtcaggttgt 372960  
 ttgtgttgtt gttatattgc ttttgagat tctttaccta ttttgcaac cactccttc 373020  
 taggttatat gtgtggaata tgcacatctc tactttgtgg cttatctggg cactatttta 373080  
 taatatcttt tgataaatgg ccattattaa ttttaatatg gttgaattta ttaatctttt 373140  
 tctttatggg ttgtgcttcc tgagccttgt tttataaatc tttcccacc cctcttttgt 373200  
 aaagatagtg tctgtgttc taaaagttcc aaagttttat cttcacagt ttagctttta 373260  
  
 attcacacag aatctatgtt catgtatgga ttggtgtagt aagataatc ctcctttttg 373320  
 cttatgggta atcaattaac ccagcacat gtactgaata gtcactcctt tcccactga 373380  
 gtattttatc ccaacacaaa tcccacattg tgtaattac tatagcctta taataaatct 373440  
 tttttttttt ttagacggag tttcactctt gttgccagg ctggagtga ttgtcacaat 373500  
 ctggctcac cgcaacctc gcctcccagg ttcaagcat tctcctgcct cagcctctcg 373560  
 agtagctggg attacaggca tgtaccacca tgcctagcta attttgtgtt ttagtagag 373620

atggagtttc tccatgttgg tcaggctggt cttgagctcc tgacctcagg tgatccgccc 373680

accttggcct cccaaagtgc tgggattaca ggtgtgagcc accgcacccg gccctgagcc 373740

actgcgcccc gtccaataaa tcttaatttc tgggagacaa acctccctgt tttgctcttt 373800

ttcgtaagt gtattttgga tgcttttagc cttttcctct tccatataaa ttttagagta 373860

aacctgtaag gttttacata gaaccttttt agactttgat tagaattgca ttgcatctat 373920

aaaccaattg gagagtagag ctgtccttaa aatattcact cttcctatcc atgaacaagg 373980

tactccatag gatgttaaac ttttgtacat atagtaataa aaatgaaaag accaaaaaag 374040

gggaactact tctaactaat atgatagctc aagggttat atatctaata ttcttaaatc 374100

tcatactaaa acaccttgag ataattgagaa aggacttaac cagacaattc ataagaaaga 374160

aacagaaatt agaaataaat atacagaaaa atgcctggcc tccttaatag taaaggaatg 374220

caaatttaaa aacctacaag atattatttt cacttatcaa attaaaaatc tttttttaaa 374280

aatgctgtaa taggcacatc agcttgagtc taagtgaaaa tcaatcccca tcagtgttgt 374340

agttatgagg tgggcttgca aaaaaccgat ttgtatgcaa actgaagagc ctcttggaag 374400

agaatatatt ctaaggaaga aattagaaat aatgagctca gcccaggaaa acaggatctg 374460

tcattcagat ttgtcttcta gccgagttcc ctactgaac tcctacagag gaaggaagag 374520

agggcatcca gaaaaaaaaa ataaagaaaa aaatctgaaa gagcaatttc atcaacatct 374580

ttaaagcact ggaacatact agcacagctt cgggtctatt acagtgcac actgagggaag 374640

aagacatcgt cctacacttt gcacaaaacc ctctgaagct ccaaacctca gctactagat 374700

gaggcaaagc caatcagagg gaggttgga tataagcaca agcatgaaag ccctggtgct 374760

tttagaaacc ctiggtcgca gggattagtg agaatttcca aaagcattag aggtcttaca 374820

tcagctagca agaggggaaa agggcaatac tgaagttagt ttttaataata tgccctttct 374880

gttccataaa actaatgagg gctgcaagag gctaagatta aatcattatt caatgtcagc 374940

aagtgtgtaa gaagtctcaa gccctcctat actgttggct ggggcacatg tgagaacaag 375000

ctttttggga accattttgc aacatatatg aagaatattt tcaaatttta actttctgat 375060

ccaataactg tcccactaaa atgcttgtca aatagaataa gaggcataata gaaatgtgtg 375120

tccaaggatg ttagttacaa tcttaattat aataacaaaa tcttctaaat attcaatcat 375180

aggaggaagg ttaaatgagt tgtagaatga ctaagcaaat ccgatgcagc cctggattaa 375240

aaaattatct tggtagtaga aaacataggg tatcaaattg aatgtggagc tgtcattgga 375300

aaattttaac caaagggttt tttccttttc acaaattatt tctattgccc tataacaatt 375360

agattaatac tgaatccatc cattgggtca atcagagcca ttgtctttgg gagaggagaa 375420  
atccattgca tgcttaaatg tgttttaact catagcaggc ttatcacct gaagcaaagc 375480  
acctttgata tgtaagaact gggccatgca cagtgtgtta gctcacacct ataatcctag 375540  
cactttggaa ggccaagctg ggcagatccc ttgagctcag gagttagacc agcctgggca 375600  
acatagcgaa actctgtctg tacgaaaaat acaacaatt agccgggtat ggtgtcgac 375660  
acctgtggtc ccaactactc agggggctga ggtggaagga tcgcttgagc ccaggaggcg 375720  
gaggttgagc tgagccggga tcacatcact tcaactcagc ctaggcaaca gagttagacc 375780

ctgtctcaaa caaacaacaa aactgggcaa ttgaaagaga aggatcttct tttgaattaa 375840  
taaaaacgaa catgattgga aaactgatgc agaactctaga agacgagagc acagagatta 375900  
caaaagttaa tcacagaata aaaataatgc agtacttaat atattcttgc ctgatagcaa 375960  
ggaagaagaa taattccctt cctgggctgc agggaagagc atggagaaag agggaaaaaa 376020  
gagaagaaag tcagatgtag gaaaagtccc tgaggggact ggcctcttcc caaataggtt 376080  
tcttgacatg agaaaagaag gtactttggg gtaggcgtgg tggctcattc ctgaaatccc 376140  
agcactttgc gaggtgagg tgggaggatc acttagagccc agaagtttga gaccagcctg 376200

ggcaacatgg caagacccta tcttgaacaa caaaagcaga ggtacttttg ttagatttcc 376260  
tacatgaaat cagggaggag ccactttcag aatgccact gataacgcag ggtggctgca 376320  
aagagtatga atggcaccaa gtcaggattg ggtgggggtg ggggctgaga gaggtccta 376380  
ccctaccagc ccctacaatc ccatggggc attcttgaat tcttgaaagg ggcagggag 376440  
agatctggga acaatgcgac agctggctta tgggaaagt ggggagtggt ggcagggag 376500  
acatagcaga gaattgggag gtccacact aaagccagg gtagttggt ctcagcagca 376560  
gcaggagaag ataaccaaac tctgggagt aattgctctg cactgcactg cccagtgtcc 376620

agaacaacc cataggcaaa atccatgtaa acaagacttc acagccagga aggaatggag 376680  
ggtcacacaa agaccagata tgccttctt gcagcagggt ggtagcgtga gcttttcta 376740  
ttcccaaaga cgccaccag gaaggggaga agaagtggta gaaaggaaaa atcttgagag 376800  
ggaaaaatag cctgagagg gaggtgaac ttcaaatgtg ataataacct cgaagagaca 376860  
gacagagttg cactgaacta gtgacaaaat aaattcagtt acagagaaat ttaaagaaac 376920  
tctgtactca tccaagatat gattgtgaat ttcaaagctg ggacatctat ctacagtgt 376980  
atcttggtct acccagtaat tattctctat tctgagaaaa aagcagctct gattttctgc 377040

tgcagagctc cctgaacctt cctgggtcct aatcttccaa agcctgggtg ttttttattc 377100  
tgtggactgc caagaaattc ctctcttcc ttaagtttgt aactgggtca gtttctgtta 377160  
tttgactaa agaaagaagc ccagctgata caaaatatat aatccaatt ttgtaaatgc 377220

acatgaatac accggcacac acacacacac acacacacac acacacacac acacacacag 377280  
 gtggggaaaa agaaagaaat aaaatattaa tagtgatcct atctggataa tcaagttata 377340  
 aaatatattt ttcttctatg tttccaagtt tcctattctc cataatgagt atgcattata 377400  
 tttttattca gaatattgag agatagaagt attatccata atgtccagaa aaataacatt 377460  
  
 aagaagccca attacattaa aaaggtatgt cacgtcattg gcctttgtct cttggcacc 377520  
 tgggccagcc agcagatgca agcacaagca ctgttgggca gtgtgttata atgcaaagaa 377580  
 tactaggcca ggagttcaga gaccagagtt ttagctctgg ctctgccact gacaagttgt 377640  
 gtgatgttta ataagtcttt caacctctt tagcccaaaa tttctttatc tgtaacatga 377700  
 aggcttcaac tccttagctg gacacagtgg tgtgtacctg tagtcccagc tattcaggag 377760  
 gctgggacag ggatcactta aggccaagaa ttcaaggctg tgcacactac agccttgac 377820  
 tcttggcctc aagtgatcca tgatgcacc tgtgaatagc cactgcactc tagcctgggc 377880  
  
 aacgtgagac tcctctctaaa aaaaagaaac tcctatgat aatacagagt tcactgacct 377940  
 gtcaaccgta ccctagctca ggttccaact gtcaacattt ctcagatata tgtatgagaa 378000  
 gacaaaaattt ccagtagtc tagccaaagt cttagagaaa actttcaagg gaacactaca 378060  
 gacactgctt gctttgcttt tgagactgaa acatagcaat agcactgatg ttttccatct 378120  
 tgttttcatg caatctctgt ctgaaggac acttcacaac ctagcattgc ctgtcaccag 378180  
 catgaaagtg cagctagtgc ttgtcgctgg catcagcccc agatccagca taagaaccca 378240  
 aataccatca tgctgggggg caccitgagc acactgcctc accatgcagc tggatcatcag 378300  
  
 agcctcagag ggcaaggaag gttcacgtat agagggaacc agtgaaagc aaatttacta 378360  
 ctgctgcttc aatctgtgaa atcgcaaagc caaggaagtt aaagggatgt ggtgcaatat 378420  
 ttcacactag atacctgac cgtccagtg gggggactta gatggattcc caaagaagta 378480  
 ggtgcattga gaagagtaca ccaggaattg agctatagga ataacagaga ccaaactagc 378540  
 aattttacat ctgttcaaaa ctatgacctc atcaactaa tttctcagct agcttttttc 378600  
 ttcttccatt ctgtatcca tgtcttgacg ctctctctgg gaatcttctt cctctccctg 378660  
 tagtatatga tgtctaaaaa tcctccctgg ctgtttggga acaaacttcc catacaccag 378720  
  
 agtgacatat gccctgagac tctacacgat ggctgaagag acacctaact cacaggacta 378780  
 aggaaaaatg aagccctaaa ccacttagct ctgtgtcata aaaatctact gtcctttatt 378840  
 ctgtttatct ttattttctaa cctaagagaa aaagtagaat ggaacagact gggtaatcta 378900  
 ttctaagaaa aacttgaatg ttttaaacac aaaaaagaga agaactaaaa tttgaatgca 378960  
 gaaaagatac aattaagcac atttgcaacc ttggcaagta catgaagagg agtgtaaagg 379020  
 gaattagatt gtgtgggagt caagctgggt ccaaaaaaaaa caggaacggg aatgtttcaa 379080

gaagggatct gaagagatac aatgagttac taagtgaaga agggaaagga gaacagaaaa 379140

cactggaaga aaaagtcatt tcactaaaca aacaaacaaa aataccaaca acaaacctc 379200

actgtaacta gcagtaagga agtttaatga ctctgcatac tgggtatatt ctggatccct 379260

tcagtagaaa tgcatttaa actaagactg aagaaaagca aagaaggaga aacagtgggt 379320

tgtctctttg tccaatatag tgttctcat gtggaggag agaatggga atgtgggaag 379380

ggttgaggaa ttccaataag aagattatca cccacaaaga atgccggaga caggttttt 379440

tccacaagag attaagtcatt tttcttaac ccaagagggt atggattgtc tttctgggtc 379500

ttactagtat aatagctaag cagaaaataa ttgtctaatg tgaagtaggg gagctggaga 379560

taacatagaa aggataaaa tccctcaaataaaaaacaaa aaggcatcga catgatttgt 379620

ggtttcaaaa aaactttttt gggggaataa aacaatgctg actttgcaga tgaagctgac 379680

atcacagata tattgtagtt actgcctaca tactattctt actggaaatg gagcagtgt 379740

ggaagccaca aacatctaaa tagtcatttc tctctcttc ttgtcagttg cttcaagtca 379800

caaatgcagt ttcaattcaa caaatcaaag tgcacctgt ttacaaactc cactttcaaa 379860

tctttacca aaatcgggtga gcaatacatg ctaataaaca gagaaaataa aaaaactaga 379920

gtcactttga gagaagtata gtttagtgat tacagaaaat atcatttata tttgttgcc 379980

aatgtggatt tctgttagtt tgtctatctg ataagcttca gggacaatag ttgtattgaa 380040

tattgaaagg aagtgttat gatcagattg cttctgtgg tgaacaaaag gcttttgctg 380100

acatagcagc ttcatggtg cacacacagc ccataatc cttgtcttc aaactgaaag 380160

gttttttct tttttttt ttactattt caacaggaaa caaatcttc agacttgctt 380220

ccaaaggaga agttgaaat ggaaggagga aagagaggaa gggaggagc gcaagaagga 380280

aagaagagag gaaggaagaa agcaatggca tggccatgtt tctgtgtgt ttttctac 380340

tacaaaatat taagatatg gataataaag gagccaaata gtgtcacatg gctcacgtgt 380400

glatcaaca ggcctatgtg tgtatcaaca taaggctaag aacacatgac aaggcatgga 380460

tggccaagga gtcaggattt tgaatgagt gcaaggactt gtttcatga aaatgttcaa 380520

aggtaaaatc aatgtatcag gttaaagggt tgagtctgaa gaatgagcgc atgaaaaat 380580

gtgatactt ctctttttg tcattgctt cttccctc atccgtggcg gggagaggat 380640

ctttggtgaa acagaataa gacggcattt tagtgaggat gggggaagcc tgaggcaggt 380700

gtgtctctt ctgagaactt tctcaaaaat ccacaccatt tccatggtg tgaaggccgt 380760

gacgaaaaga cctcagaaga attactaaaa tagcttctga ggttgcttc caatgacaca 380820

atgcaggaaa tggaaaaggg gcatgtattg atagcattgt gtgtaaatga acaatatata 380880  
 tgtgtattgt atttttcatg gtgggcaa at ggtgggacat cggggagagg ggctgagaga 380940  
 agtccaggaa gcagcataaa gatctta atg gacaggaagg agaagagagg tgtta atgga 381000  
 aagaaggaat acat ttttagc acttcaaata ctgggtgtagc ttcaactctg accagggaca 381060  
 ttttgtctta gtgcctaa at atatcca agt ggaataagca cgaatctcac at ttttaaaaa 381120  
 attagccatg cattacacat acgtatcatt ctctctgata ttgttaa agc aaaccactgc 381180  
 aacaacattg gctacaga at tttgagggct cagtccaaaa taaaaatgca gggtctccttg 381240

ttcaaaaatt actaagggcc aggtgcggtg gctcacgcct gtaatccag cactttggga 381300  
 ggccgaggcg ggcggactgc ctgagctcag gagttcaaga ccagcctggg caacaaaaaa 381360  
 tttagccggg tgtgggtgtg ggtgcctata gtcccagcta cttgggaggc tgaggcagaa 381420  
 gaatctattg aacctgggag gcagaggctg cagtaagccg agatggcgcc attgcactcc 381480  
 agtctggaca acagagcgag actcttgtct caaaaataa aaaataaaaa attactaaga 381540  
 atttcaagat ggcggctggg tgcggtggct cacgcctgta atcccagcaa tttaggaggc 381600  
 tgagacgggc agatcacctg aggttaggag ttcgagacaa gcctggccaa catggcaaaa 381660

ccctgtctct actaaaaata caaaaaaaaa aaaaattagc cggacatggt ggctgagacc 381720  
 tgtaatccca actactcagg aggtgagggc aggagaattg cttgaacctg ggaagcggag 381780  
 gtgtcagtga gacgagatcg cgctactgca ctccagcctg ggggacaaga gcgaaactcc 381840  
 ttctaaaaaa aaaaaaaaaa gaagaaagaa tttcaagggtg gcaaaaatgg cattaacca 381900  
 agcaaggggc cttctgagt ataggtccta tgtgactgca caagtcatat gcccatgagg 381960  
 ccagccctac tccaaaatta agaccagatt tgaatgggtt ccatgcagtg cttggagggg 382020  
 aaaatcccag atgtaaactc tcaactgtaa agttcaaaag gggctgggcg gggtggctca 382080

tgctgttaa tcccagcact ttgggaggcc gaggcgggtg gatcacgagg tcaggagatc 382140  
 tagaccatcc tggctaacac agtgaaccc catctctact aaatataca aaaaattagct 382200  
 gggcgtgggtg gcgggcacct gtagtcccag ttactcggga ggctgaggca ggagaaccgt 382260  
 gtgaaccggg aaggtggagc ttgcagccga gattgcgcca ctgcactcca gcctgggcga 382320  
 cagagcgaga ctccgtctaa aaacaacaa aaaaaaagtg ctaaaggga aggctgatta 382380  
 ttggagttag aagactagtt atcctctgct tttctatgag tgatagttag aggtgacagc 382440  
 ttgtggcag ttctcacgc cctcgtttcc tctcggcgcc tccctgcct gggttccac 382500

tttggcgga cctgaggagc ctttcagccc gcctgcact gtgggatccc ctttctgggc 382560  
 tggccaaggc cggagccgcg tccctcagct tgccaggagg tgtggaggga gaggcgtgg 382620  
 gggaaccag gactgcgcga gttccgggtg ggcgtgggct ctgcggacc gcactcccag 382680

cagtcggccg gccccaccgc ccggggcagc gaggggttta gcacctgggc cagcaactgc 382740  
 tgtgctcaaa atttctcgcc gggccttagt tgccttcccg cagggcaggg ctccaggacct 382800  
 gcagcccgcc atgcctgagc ctcccccgcg ctccctgggc tctgtgccc cggagcctcc 382860  
 cctaagagcg ccgccccctg ctccacagca ccagtccca ttgaccaccc aagggtgag 382920

gaatgccggc ggcaggcagg gagctccacc tgcagcctcc attcaggatc cactgggtga 382980  
 agccagctgg gctcctgagt ctagtgggga tgtggagaac ctttatatct agctaaggga 383040  
 ttgtaaatac accaatcagc actctgtatc tagctcaagg tttgtaaaca caccaatcag 383100  
 caccctgtgt ctagctcagg gtttgtgaat gcaccaatcg acactctgta tttagctact 383160  
 ctggtggggc cttagagaac ctttatgtct agctcagga ttgtaaagc accaatcagc 383220  
 gccctgtcaa aacagaccac tcggctctac caatcagcag gatgtgggtg gagccagaca 383280  
 agagaataaa agcaggctgc ctgatccagc agtggcaacc cgctcaggtc cccttcaca 383340

ctgtggaatc ttggttcttt cactctttgc aataaatctt gctgctgctc actgcttggg 383400  
 tccacactgc ttttatgagc tgtaacactc accgcgaagg tctgcagctt cactcctgaa 383460  
 gccagcgaga ccacgaacc accgggagga acaacaact ccagacgcgc tgccttaaga 383520  
 gctgtaacac tcaccacaaa ggtccgcagc ttactcctg agccagcgag accgcgaacc 383580  
 ccaccagaag gaagaaactc caaacacatc cgaacatcag aacgaacaaa ctccggacat 383640  
 gccaccttta agaactgtaa cactcaccac gaggggtccac agcttcattc ctgaagtcag 383700  
 tgagaccaag aaccaccaa ttccggacac aatagtagat aactgctatg gtttggatct 383760

ctgtccccac taaatttcat gttgaattat aatctccagg gctggagggtg ggggtctggtg 383820  
 ggagggtgact ggatcattgg gttggtttct aatggtttat caccatcctc ctagtgatag 383880  
 gttccccctt gccttcacc atgattgaaa gttagttaaag gccatcatgc ttcctgtata 383940  
 gcccatggaa ccatgagcca attaaacctc ttttctttat atactttggc tcagggtgtt 384000  
 cttcatagca gtgtgagaac agactaatgc aggtactctc agtgccactc tgaccctggt 384060  
 gattttgaga ttccactaga ccacaacttg cacactatga acaataagac agcttagaag 384120  
 gacatctcgt atagctctgt gatatggaaa gactaaacac attctgaata gattttggtt 384180

cccttaaaat gactttatat ttttgtaaca ctgtaaggcc cgactaaata tacgttttca 384240  
 ctgttatgat ttagtgattc ccattctaga gcaaaatgaa aatattactg ataattcact 384300  
 gtttatttca tggaatacta aaataccaat attaatgcag tattttaatt ttaaaaagcc 384360  
 agtaaaaata ttaataatat gtaaaatata aaagcttata tattattaaa catcaagtaa 384420  
 aaataaaaac tgtaatttta accatatctt atcatcgtga tagaaattat ccaaagtttc 384480  
 aattattaaa aataaaglat tcaaaatata gtccggcatc acttaaggac agggatatat 384540

ccttccaaat gcattgttaa gacaattttg tccttgtctg aacatcatag agagtactta 384600  
  
 cacaaatcta aatggtataa cccactatac aactaggctg tatggtatag tccattgtctc 384660  
 ctacactaca aacctgcaca gtatgttatt gtactgaata tggtagggaa ttgtaacaca 384720  
 atggtatattg tgtatctaaa catagaaaag atacagtaaa aacaccatat aaaaagataa 384780  
 gaaagggtat acctatatig ggcacttacc atgaatggag cttacaggac tggaaagtgc 384840  
 tctgagttag tcaagttagt agtggtgact aaatgtgaag gcttagggca ttactgtaca 384900  
 ctactgtaga ctttataaac aggctgttta ttgaaacaaa ataatttccc tagatatact 384960  
 ttcctattaa tgaagagcat gtttagaccag gcacgggtgc tcatgccttt aatccaaca 385020  
  
 ctttaaggag gccgagggtg gaggatccct tgagtccagg agtttgaggt tatagtgage 385080  
 tatgattgtg ccattgtact ccagcctggg tgacagcaca aggcctgtt tctaagaata 385140  
 aacaaacaaa caaacaaaac aataaggga gaaaggagag gagaggagaa agacaacata 385200  
 agtcacatta taccttaaaa gtcaggtttc taggaatttt tcaggccaga aaataaatct 385260  
 tacaagtgat ctgtaagtig ttatgtatca ataccttca aggatagctt tcaagtaacc 385320  
 atgacttcca ggtgtataga ttaccatct gcttcaaaga caagaaactt ctccatgcaa 385380  
 atttatacta agagacatct ttatctcaa ccttcagggc ttatacca gagtgaacta 385440  
  
 cttcattcag gacatggaag cacatacata tagaactact agccatactc cccgaggaat 385500  
 ctggatctca caggagatt caacgccctt aaagtatgac aatgaaccgt tgtatatttt 385560  
 tgggtgtcta gatccacagg gctaatttgg cattcagttt gcaacaatta aaaagctgca 385620  
 gcagcattat attaatcaga agggctaagc agagcttcag ttaaaaaaaaa aaaaaaaaaa 385680  
 aaaaaaaaaa aaaaaaaaaa tccaggccag gcacagtggc ttacgcctgt aatcccagca 385740  
 ctttgtgggg ctgaggaagg cagatcactt gaggttaaga gctggagacc agcctgggaa 385800  
 acatgttgaa atgccgtctc tactaaaaat acaaaaatta gccaggtgtg gtggtgcata 385860  
  
 cctgaaatcc cagctactcg ggaggagggc tgaggcagga gaatcacttg aacctgggag 385920  
 gcagagggtg cagttagcca agatcatgcc attgcacccc agcctgggca acacagcaag 385980  
 actctgtctc aaaacaaata aataagtaaa taaaaatac acacacacaa aaacctccaa 386040  
 atgtcatggg cttaaccaaa atttaattct tgttcacata aagtccttg aggcctatat 386100  
 tcctccgtgt gttggtccac cttctaggct attttggtat tatggcacct cctcatcagc 386160  
 acatgcttcc acaagtacc tggcagggga agaataaggct gggcaattga acattggtaa 386220  
 taaatgcatt cttctgaaag tgacgtacat cacttgggca cacatttcat gagctaaagc 386280

tagtctaact tcaaggagac agataagtaa aatcatcctg tttgcctgaa attaaagaag 386340  
aactctgtga acacaataat gccaccata gtgcattaca gacatcaaga tttgtggcaa 386400  
tttgtagagt ctgacctcac tcttctaata tttatagtaa aaaggatggg tagttaacca 386460  
aactgcatat gtatatgtgt tagccctca aatgaaacca cttcatttac attacttta 386520  
agaaatgtgt gttttccact atttaaatgat cacatcatat gctgaatgca gtaatgtcaa 386580  
gttttaaaat tttgttttgc tttttgccaa tgaactagg caaaatgaga tgaaagaatt 386640  
ttggctgtga ttttaggaac tgcctttact caatgcttaa ttttaactaa gcataaccag 386700

tgagtaaaat tttgtcaaga tcattcctaa tttacaattt tcattaaagc tgataaagta 386760  
tactcttcaa agaataacat gagtttactt ccttccttgt tttcttctt ccatctttcc 386820  
ttccttctt ccttcttct ttccttctt cttctctctt tcttctctc tctctctctc 386880  
tctgtctctc tttctctctt tttttcttt tgagatggag tctcactcta tcaccaggc 386940  
tggagtgcag tgctgcgac ttggctcatg caacctccac ctcccaggtt caagtgattc 387000  
tcctgccga gcctctccag tagctggaat cacaggaggg caccaccaca cctggctaatt 387060  
ttttgtattt ttagtagaga caaggtttcc ccatgctggc caggctggtc tcgaatacct 387120

gacctcaagt gatccacctg cctcagcctc ccaaagtgt gggattacag gcgtaagcca 387180  
ctgcaccag ccatgagttt tcttttctt aaatatctt ttgcaactat ttgttgccat 387240  
aacagtttga acctgaattt tattttcata ggattaaagg tagatattta tttctgctga 387300  
tttttttcat tagagaatgc ctattattaa aaataatttg aatggattaa attatatattt 387360  
aaaaagaaac aaagatgaga aaataaaaaa tataaaaggg gggccagtta agacaggag 387420  
aaagaggta ggcatggtaa ctcatgcctg taatcccagc actttgggag gccgaggcgg 387480  
gaggatctct tgagctcagg aattcaagaa cagcctgggc aacatagaaa gacctcgtct 387540

ttacaaaaa taaacaaaat tagccaggcg tggagggtga tcctgtagt ctgagctact 387600  
caggaggcta aggtgggagg actgcttgag ccaggagggt gcaggctgca gtgagccaag 387660  
actgcaccac ttagtccag ccaggcaac agagttagac cctgtctcaa agagaggaag 387720  
gaaggaagga aggaaggaag gaaggaagga gggaggagg gagggaggga gggaggagg 387780  
gaggaagga aaggaaggaa ggaaggaagg aaggaaggaa ggaaggaagg aaggaaggaa 387840  
ggaaggaata gaataaaata aaaaggaaag aatatgcaga acctacttgt ggggagacaa 387900  
tcctctgtgg gtctcttgca tttctgcaca ttgtgtgaga agtactagct tttttctgg 387960

attatTTTT caaggatatt tttatagaga acaatttttg aaaaagagag tgtctctttt 388020  
tagagcagag ggcaggtttg tttgtgccc agtataatta agataatgtt tccctccaag 388080  
gcaaagttaa gataggtttg cttgcagctc cccgataatt tattaagggt tcctatgctc 388140

agggtccctc agcagtgata ctaaccact gcacgtgcag cttcacccg ggcttccaca 388200  
catcacatcc atgagacttg taggggcatg aacggtatga acacgaagtt catgctgcct 388260  
gttgtcctat gagnaattaa gtctttttac tctgaccag gagtcttcat gtcttctgcc 388320  
ggcatccata aaaccgtggc agcttacttg aaaacttttt tcaacaaaaa taggatgctg 388380

acagacatgg ctttttgaaa gagaaagaat aagggtacct aagaactgag ttagaattta 388440  
tgagaagact cccagggaa gtatttacct agtagtaaat acctagtagt gtaggcaag 388500  
ggcatttagg aagtgtgagg gtctccact gctctacctg ttcataatg tctagagtct 388560  
gagcagaag agataagatt gaaataaata atctaaatgg tgttttagtt gtgttctact 388620  
ctcctctgga agggaggaga aaggataaaa gagcccacaa agctgagaga gggcttggat 388680  
catctgaaaa ctttgaaaat tagttttgtt tgtaccatga acagcctctg ggtcactcaa 388740  
actggaaga aaatatgctt tgcttactga catgaagcca ctctctctt acatagcccc 388800

agattcctcc caccattgct tttgccctta tcccagctgc ttaaagagg aaggtggggt 388860  
cagggtctcc ctgtcccaa ggggaacaa aagctacgtg tgcactttca ggtatgctgg 388920  
gggaacttaa gggagtgaa ggactcaaac ttggatgctc tgttgagtac agacatcaa 388980  
gtcaccatt ctaccagtt ctgtgaggag gggaagtgc tacattcaat tttaggatt 389040  
tggtcagggt ttgggtagt gatgtgatgt taacatgacc ttgtttcca ggatgtcatc 389100  
tacccttat tttcttcta ctctctaag tgccccacag tttctttta tagttccttc 389160  
tcttcagacc acttcttaat ttttttttt ttagaatttt tttttattat taagagacag 389220

agtcttatta tgttgcccag gctggcttca aactcctagg ctcaagagat tctcttacct 389280  
cagcctccca agtacctagg attacaggca cattccacca tgtccagtga cagaaattct 389340  
taaaagacag aaaggggagg agaaggcagg acgagggggt agtcatgggc ctttaacggg 389400  
aaagatttga actgacatga ttataggtgg gctgagattt ttatattttc aaaatgaggc 389460  
atgggttgaa aataaataag ggacactctt aaatgctgat tcttccaggg tttcatcctt 389520  
ggtggtatgt tcgttttaca ttttagata tattatttca ttcatttctt aaaagctact 389580  
gcttatagtt cccaagactg tatctccaat tctaacctat cttcaagttc cagaccagct 389640

ttttcaatg ctagttaatt tggctatcac aagggcactt gaacctaata catttttta 389700  
aaaagaagac tggagtaatt atactcctaa atattcccaa ctttccatc aaggttaatg 389760  
gaatcaacat cctcaagttt cccaagtaa aaattcatct ggagtgtccc tcttaccacc 389820  
cacacccaaa ttgtgtcaat tttatttcag aaatatataa aaaatctgac cattcttccc 389880  
tatttctca gccactaatt caattcaggc tcttacgatt tctgtcttag attattgcca 389940  
cattgtccta tctggctcct ccccatcaa tctctctat aatcatctt ttacattcct 390000

aacatcatta ttttcttacc aaacaaatat gattacaccc tcccctttat ttaacaattt 390060  
  
 cccctgattt tccactagct gcctataaa agccaagctc ttttgtatgg gcacaatgcc 390120  
 cttecatgatg taaccccaat ttagtgttcc aatttcattt ccttccactc cccaccacag 390180  
 ccctaagctc caaacacaa tgaacttctc atatatcttt tcaaaactct atgcctttgc 390240  
 aaattttgtc ttcttttctt cagatgccct ttcttctctc tctgtatata acaaattctc 390300  
 attctgtctt ctagactatc caaagttcat cttctctgtc aagccatccc taattttcct 390360  
 agactggaca atagtgccta tttctgtgta ttcaatttgt ttattcatgt gtttgccctt 390420  
 tccattaaac taagttcctt aaaagtaggg atctgccggg cacggtggct catgcctgta 390480  
  
 atcctagcac ttigggaggc cgaggtgggt ggatcacgag gtcaggagt caagaccagg 390540  
 ctgaccaata tggigaaacc ctgtctctac taaaaactca aaaattagcc gggcgcggtg 390600  
 gccggtgcct gtagtccag ctactctgga ggctgaggca ggagaattgc ttgaacctag 390660  
 gaggcggagg ttgcagtaag ccaagatcgc accactgcac tctagcctgg gtgacagagt 390720  
 tgagactcca tctcaaaaaa aaggaaagta gggattatag gttttttat ttggggtgcc 390780  
 tagcagaatg tcttgaatat ggttgaataa atgcttattg gctgaataac ttactttctt 390840  
 atatcaagtc aagattcact ggatgcttta gcctgaaata aattcttgag caaccaaag 390900  
  
 ctggtattct gcatgttttg tatattgtat agtatacaca ttttattatt tgaatcttc 390960  
 tttccttgac tatctttatt ttggttattt aaataaatat aatgagctat agcataggaa 391020  
 agaaaacaac tttaaatttg ttccttatta aaagtgaag aagttgggta aaggagaata 391080  
 ttgaaacaat tagataaatt aaggttgagg agcacctatg atttgttctt gcatccctca 391140  
 gagtccaggaa aataaagaat gtgaccattt gactagatat aaatatatta ccatccacac 391200  
 cattccttat aatatcagga agctcattaa taaagtgggt taatttgaag atcctcatga 391260  
 atgactttta gctagtaaga ttataatctg tttagagtat gaatttcaat ggtttgagcc 391320  
  
 ataacatttt acagtccatt gcattttatc tggtcattta atcaaaactga ccaaaccct 391380  
 cctgtgccgt ttcagaaata ggtgggaaat gaggggctat aaacaattcc tgaagaagga 391440  
 tgggaacaat tcatgctagc aatgtaatat atgtttttta tttaatggaa cctgttctgt 391500  
 atccataggt tgatgaaatt tgagaaaata tgagttatct atatcaggta ccctagtata 391560  
 tcaaatcccc tgaggacaaa gaacttttat tcatattcat ctctctctct tcacaggtaa 391620  
 aacattctga atacatcttt gttgaatttt attaaatgaa atgctttatt ttttttacia 391680  
 aattctagat atcataataa gccttactca tttattgttt gacataagaa aatataaac 391740

atgtgcacct aaaagaattt taaaaattac ctttatgtaa tatttagcac aaatagagaa 391800  
 atgttttttag atcatattga ggcagaggaa cctgcaaact aattgctgat tcactcactg 391860  
 ggaagaaaac agttttattc tgtcaactaa aagaaataat acataaaaca aataccagag 391920  
 aaaagagaaa ttttttgtt tcacacaata cagagctgtg attgcaaaaa gaattaaatg 391980  
 ctgagcaaag gaaaaatatg tttatttatt cgtggagccc tttcgagtct tagatgaaaa 392040  
 agggtaacta aaccaaatag taacctggaa agtatctcct agaacttta aatgtttaaa 392100  
 attttaatt taataatgtg aaaaatgaga accattttta tagcactggc aagaaaacag 392160  
  
 gttctaagat gtccttacia ttccatgctc agtttatatt ctgttgtaac ttccccaagt 392220  
 tttatttttc tgagtgggct gggcagtgaa acccataaga tttgccctct gggacagagc 392280  
 cattttaaat acaatgctct tctactctt cagacaagaa agcagtgaat cattcatctt 392340  
 ctaacaaaa ttaagctggt taattccatg gctatcaatc ttgacattta atgtttacat 392400  
 tcaaaatttg ggattaaaaa aaaatgagta aaaaagaaat atgaagtgga ccattagtga 392460  
 aattctaact gaagtgaac taaatctttt gttaaatggc aatggtaaat gttgtaaaga 392520  
 tatattactt cctgttttcc agtctctttt tcttgaccac aaccagtgtg agatataata 392580  
  
 aaataacaac ctccaagtt atgttattat agagtacttt tacagcccaa cccaaggcaa 392640  
 aataaacatc agtaatgaat tgttcccatg tactgacata aggaaagact actgactgtc 392700  
 actaaaaact agtgtatttt tttaaaatct aagaaaagta gaactctaag gcacaacagt 392760  
 ttcattgtta atttatgtca tccaagattt tgtccaactg agcaatcaat taggaaataa 392820  
 tatatcaaga atcttactgg ctctagtgtt aatcatttac aaattactga taaatttaat 392880  
 aatattttga agggtaaatt gttcatttcc tcagcactag atgttgtatt taatgacacc 392940  
 aaaatactgt ttagtttcag ccaaaagtag gcaactaata ttttttccta atatagagtg 393000  
  
 tagaggtgac tgactcatca taatattttc tgttttcata ttagtcagtt agcactcaag 393060  
 aaactccgta tgccattggg agtgcaacag gagtcatatt tctgaaaatg aaatttctgt 393120  
 ttttatatac actccttctg ttggctccta aattcaggta gtttagagaa acatactttc 393180  
 ccacatttag tgccctgact taggtagaag ttaataatat ctttattcta aactgaatca 393240  
 ttggtatatt gatgctaaat ggttgcaaga aattaaatgg tttattcttt tatgtacccc 393300  
 caagaagcaa ttctagtctg tcattcttct gcaacaaaca cctaattagt ttactaatac 393360  
 atacagaggt gaaacaaaaa gtaaatataa aatacatatt ttcaatttta actggccata 393420  
  
 attttaattt tcaaattagt gttctcttct attagcccag gctgaaaaat taaatatagg 393480  
 atacctaatt aaaaacatt tatgaacaaa ttcataaatt taagtcacat aaattcaaga 393540  
 aagtatatcc ttatttgatg tttagaaaat ttccatcaa tagacaagtt tttatattcc 393600

atcaaattca gtgctaaaga cgaggctttg tacttagtat gctgtctttc atctttggcc 393660  
 ttcgaaactc tttatgggcc ttaattaatt ctcaccacac ccctctgagg cagggttgta 393720  
 ttattattcc ctctttatag ttgaggaaat ggagacaaaa agagattagt atgagatttg 393780  
 cccaatgacg tagaataaat cagagacaca tttagtgtga gcttcaaac ggctcacaga 393840

taaacatgtt gttggcgtct tcatctctct ttcctatcag tatcaatgtt tcaacattct 393900  
 caacagaaaa tgtttcttgt ttagcaacat tgctaagttg aattactttt tcactctgag 393960  
 aagtttataat tgctctttg agaatttatt ttattgcttt cttctttgct acaaaatgaa 394020  
 tttttgacat aattttgaca tgttgcaact aaatgtacag gttggtaccc tgaagaaatt 394080  
 agagtatgca ttacttgcaa ttagatataa aactttcagg aaaaaaaaa aaaactttcc 394140  
 agaaatgtgt agcatgctgt atcagatcat tcatggggac attctagggt ccacggaagc 394200  
 cattcaccta gaaatcttga tggtaaatatt attatgatac cacctcatta agtgactcat 394260

gatggcttgt tcaggcttgt gttcttttg aactgaagac ctgctataaa tccagttaca 394320  
 actagtttct ctgctattgc attatactc atgttaatgg ctaaagtaaa ctgcatatt 394380  
 tttttccatt ggagttcaat ggcaaatgtc tgctactgaa gcaaaatgaa aaataatata 394440  
 cattattttt ctttttctc ttgagacatc cccaaaaatt tatgtttagg tttaaccaaa 394500  
 tccaacggtt ttgctgttct ataccctacg tgactagcaa cttttttgga ggagataagg 394560  
 ctatctttcc aaaaaaaaa aatctaaaaa tctataaatt taaaaaatta tgtttaattt 394620  
 gccttgtcta gggaagatg ctattgagag atatctctgt tttagattt attccaagct 394680

tggattcctt atgctgtttg gttttcttat gataccttac tctattaaat tgtactcaat 394740  
 aataatacca gcaaatagtc tctctttctc cacaatgaac tctcttggtt ccctgctct 394800  
 attttgata atttgataa aatgcaatgc aaagattaca tttcaggaaa gggatgaagag 394860  
 aggaaaggca aaaatatacc ttcagttttc aaactatact acttaaatat ttgttttag 394920  
 tcttaatagt cactcaccgg ccaggcgtgg tggctcatgc ctctaattccc agcacttcgg 394980  
 gaggccaagg cagtaggatc actatgtcag gagatcaaga gatcgagacc atcctggcca 395040  
 acatggtgaa accccgtctc tactaaaaat acaaaaatta gctgggtgtg gtggcacgtg 395100

tctgtaatcc cagctactgg ggaggctgag gcaggagaat cgcttgaacc tgggaggcag 395160  
 agattgcagt gagccgagat tgcaacactg cactccagcc tggcaacaga gcaagacttt 395220  
 gtctcaaaaa aaaaaaaaaag aaaagaaaat agtcactcac cttccttata aaaccagtca 395280  
 attttttta atttaggata ttactaatca ctaaatatca tgttgtattg taaagacaaa 395340  
 aaataaaata aaaatagaat attactaatc atttaatttc agcagtaacc attttgcttc 395400  
 aaaattctgc taaattaaat catggtgaac ttaaagttgt taaattttac acacattact 395460

ttatatgtaa acatacaaac gcactttaac gaaaatgaca agacttttca atatagaaaa 395520

ataatttact ccaaggttca gagtcagagt gagactcggt agcaaaccct aattgggtgga 395580

tattttcagt attttccaaa gtctaccagt gtgtgcccct acaggttgga tgttacaaaa 395640

taatctcttc tttttaaat ggaaatatgc tgtatttgcc ttagaagaca gttttcaaat 395700

aagagatcta tcttctttca atatttattg caacttataa tggaattctt gtttaaaggt 395760

ttgtatagaa ttagttacac tcctttgtca catactccca aatatattt ttagggagta 395820

gttgataaac ctgctgggtc tatctgaaag cgtgaaacca ggtcaatttc gccactgggg 395880

ctaagcacca ttcatcacc ttatctctct aacagctaata ctaaagtagt taagtagtaa 395940

tacattggca attcccttat ttaagtgaig cagtaagcta taaacttagc attgcaaaac 396000

agaggcaaaa actgtgcaat aatccttttt gaccccagga taggaatctt gggacattat 396060

tctcagttca aaataaagag acttaaaatc attttcatac agttaatgga ttctttcctg 396120

tgcagtccta ggacatgatg aaatatattt aatgagctgt gcaaggaatg aagcgtgttt 396180

gccactatag agtccatgtc agaaatagag caaagcatag gaaatcctgc tcacatgtat 396240

tacaatccct gttcaatctc ctaggtcaac agttcacaac ctttttgga ccagggacca 396300

gttttggga aaacaatttt ttccatgaat gcgggagtag ggggaatgaa actatttcat 396360

gtcagaccat caggcattgg attctcctaa ggagtgtaca acctagattc ctcacatgca 396420

ccgttcacag tagggttcat gctcctatga gaatctaata ccaactgctga tgtgacagga 396480

ggcagagctc aggtggtaat gctccagccc agttcttaac aggccatgga cccataatga 396540

tccatggcct gggggatggg gatccctgtc ctgcaagact ctgtcagttg ctgtgtatta 396600

taagtcttta tgctaaatg tgagttaata aatgcttatt agaagtagtg gtagtatttc 396660

aaaaaattat tctataatgt gttaatagtc cagactctca tgtgttttcg acattatttg 396720

aacctagttt caaaagctct ttcatctctt actgagagca attctccaaa acctccttc 396780

tcttatctac aatcaactgt tcattcttgc ttcccttggt gatttacagt gaatgaagaa 396840

ctattctggt gttattgaga tctgtttctt atgaaaaatt agctgtgctg gctctctcta 396900

tatatatgag ggagaaatga gaagagaagg tgattgagta atagtctaata tgtaagact 396960

taattactta aaagcagaca atatgaaagt agatgaaaca gataattaag gaggttattt 397020

attcattata aaacactttt ctatgtcaag caatgtacag tgtattgggg agacaagaag 397080

cagacagagg acttgctccc agaaaacaga caatctagtt ggaagaaata taaactgttt 397140

cttcttttgc aattcttggt ggatcattca tttttcccta ttctaatttt tatcatctta 397200

atttgacat ttaccacttc cttcttggat cactactgtt ctccctgaa aggccttccc 397260  
 atctctggta aatatcccca ctcgatcctt tctaaattga ctcttacttc taacttctac 397320  
 ttgtattgca taactatcct gttcaaaaag ttcaagagtt gggccaggca tgggtgctca 397380  
 tgtctgtaat tctagtactt tgggaagcca aggcgggagg atcccttggg cccagcgtt 397440  
 caagaccagc cttggcaaca tagggaaacc ccaagaagat tgtttgagcc caggaggtgg 397500  
 aggctacagt gagctgtgat catgccactg cactccagcc tgggtgacag agcaagagcc 397560  
 tatcaaaaaa attaataaat aaaatagttc aagggttaat acttttgaa taaagtitta 397620

attgttaatc tagcctcagc atcaatgtc ctaacatcag atgccaatct actcatcaat 397680  
 ttacatgct gctaggtgg gtacagtggc tcacacctat aatcccagca ctttgggagg 397740  
 ccaaggcaga aagactgttt gaaccagga gttcgagacc agcctgggca acataaggag 397800  
 accttatctc agtaaataaa taaattaatt aatttagcca ggaatggttag ccgatgcttg 397860  
 tagtcccagc tacttgggag gttgaggtgg gaagattgct tgagtcctggg aagtcgagc 397920  
 tgcagtgagc tgtgatccag cactgtact ccagcctggg tgacaggaca agacctgtc 397980  
 tcaaaaaaat aaaaataaaa aaaaacaact ttacctgtg cactatcccc acacatactg 398040

taagttaaac taagttagca atcattgtct aatatacact acacacttcc ccatatttct 398100  
 acagtggatt acactgtgc ctgtgttag aatgttctct gttgaaatcc taccatcta 398160  
 aggtaatat catatgccac ttcttcata accagaatc ctaaccagaa ttcctccagc 398220  
 tgaaactgct ctctgtcacc taaatgcttt aagctccttc ttgtataac tcttaaggta 398280  
 ccagtcaaat actacctgt attgttatgt ttatttcttt cctccttaca agcacataaa 398340  
 aactcctaca taaccttgg tatgtgtctt atatatatg agcacttagt aaatatgtt 398400  
 gcgatgttga ataattaca tgagaggaaa aagcaagtgt gcatgagaag agagcaaata 398460

tgtaggtaga gataaaagtc atggaaacct ttgtaaactg aaagaagtgg ggcttaaat 398520  
 taatatggaa gaaaggaatt ttattcataa tagtatcttg atttatagtt tacttacagg 398580  
 aaacttttga ttgccaacat aacaattcat ttacaaaata tgaggagggt aaaaaaaat 398640  
 gatgttgagg ttagcaggtg aaatcattgt gaaaattcca ggagagaaaa gaaatcagaa 398700  
 tatttgaaaa agaatttgtt caaagtagca gcattattta taccagata attaaattac 398760  
 cagatttatg ggatgaagta tctgtttact ttcatcttt tatgtttgtg gtatctaggc 398820  
 ccatttagga ttggagtaat tttctgatt acctaatata gtagtcctcc ccatttgtcc 398880

ttgggagata cattccaaga cctccagtag atgcctgaaa ccacggatag tactgaatca 398940  
 tatatatagt atgttttttg tttcttctc tgataatcaa gagacctact aagtaactaa 399000  
 tgggagggtg atatatacag tgttgataca ttggacaaga ggacattcac atcccaggcc 399060

agatggagct ggacagcatg cgatttcac atgctactaa gaatgcacag tttaaaactt 399120  
 aaattattat tttttttgag acggagtctc attctgtcac ccaggctgga gtacagtggg 399180  
 gtgatctcag ctactgcca cctccacctt cgtattcaa gcgattctcc tgcctcagcc 399240  
 tcccaagtag ctaggattac aggtgcatgc caccacaccc ggctaatttt tgtattttta 399300

gtagagacag ggttttacca ttttctccag gctggctctg aactcctgac ctgagtgat 399360  
 cagtcaccct cggcctccca aagttctggg attacaggca taagccacca cgcctggccc 399420  
 aaaacttatg aattgcttat ttctggaatt ttccatttac tattttagga ccatagtga 399480  
 ccatgggtaa ttaaaactgt ggaaagcaaa actattgata agaggggcta ctgtacatct 399540  
 aaactacttc ttttttgcac agctttgcct aggtttgtat agcttttgag atgaacagtc 399600  
 tcctggccat ggaaaggcat tggatgtatg gtgttttgaa aaagaaatgc aaaagaagag 399660  
 gaaaaggacc aaaaccatta gtagtacaga agttgcctct ccaaaagcag ctgttttcag 399720

agcctcttgc ttgcttctc attgacatct ttccctctcc catctcttaa gatatagtat 399780  
 acaactgaaa aggaatgcaa gccaaccaaa gaaagaagat aaggaacagt tgtgtaaaac 399840  
 atttatttgc ctatgaatgg agacatgcac agacaccacc aaatgaatcc aattcttgca 399900  
 ctctccactc tgcaatggag agaaatctgt gtgatcccat gcacatatag cgccatgagg 399960  
 agataccctt tctctcttt ctaccacctt ttaaggagg tgaaaccggc aaatatcttt 400020  
 taggtcggat ttagacctca aagctcggaa aagggtgcat tttcagtata gcaagatagt 400080  
 ctggggagg aattcttcaa gtgtacaatc tcaagctact ctggagagta acgcaataga 400140

gtatttgctt aggtctgtgg aacaatctgc atttattcaa gcatgagatg gcgggggaag 400200  
 ttcaagggcc tcccactg gaaactgtgc ttaatgattt ggcatctcga gaacttatct 400260  
 agactagcag gaggaagtct aaccttacia atgggcttct gtgagacttc ttacatatac 400320  
 cactcctgtt gagagtgcag ctgggtgcaa atgtggcagc cagatggctc ccatgttcac 400380  
 tcagaatgtg aggtgctggg gagagggaag atgagtcgc ctcctactgt acactaacia 400440  
 cacattaagc aaatcaaac tatctatata tgaattcact tttaaaaaca gtcagaaca 400500  
 atatatTTTT attgctgaaa tactgagtat attctcacat catacatatc ctcatctct 400560

actttgctca aaagaataaa tccatgtaa aatgaactaa aagtttcaa ttccaccatt 400620  
 gtattacttt gtaatttaag agtagacagg aacaaacttt aaatttatag aatattaata 400680  
 aaatatcttc ttacaccgtt gtagtctata aattactctc aaacacacia tttttctcta 400740  
 aaagctagta ttccattca tccaaaatat aataattgat ccaacaaaag gacaaatagt 400800  
 tgagtcacag aaaggtcttc aaggtccctc taaaacatca gtgattaaat tgtatttagc 400860  
 ttttcgataa tgctaaggga aacagagcac aatgaaaaag tatgcagacg tagcagatgc 400920

agcacacatt tatatagcaa agataattaa cagtattcaa tgcctcagcc caggaataga 400980  
  
 ttagatttag ctgcataca atattttgtg cttatctcaa ctccatcttc ctatttaa 401040  
 ttctctgaca gcttatcatt tttttgcagt aaactatcaa actcctatac ttgtccttc 401100  
 tcatcacgtt ccttcctaac actgaaaatg tatcttcaac tacttcctta aataaaactc 401160  
 ctgctcacca cagactggcc tattcattgt tgcctgaaca catactcaca ttctttctac 401220  
 tttcatggtt ttgtcaatt cttccccc aagtctcttg taacttctcc attgcctaga 401280  
 cggatcctt tctgaagtt gtagittaac ttctacctct tcaggaagtc tttccaatc 401340  
 atctccctac caaaagattt gcacatatta acatccttgt ggaacatcct cttccctgca 401400  
  
 ctcttttggc aagtattttc tgtattatca tttggtattg actttgttcc tccatccatt 401460  
 cacttggtat acggcatata ttaattccct ctcccaagg tcaaggatca tgtctcctat 401520  
 ttttatccct agaaattaga accaaaaagt actcaaatac taccctgat aataatgttg 401580  
 gtgtgatgat agtggatcta tggaaaacaa agactaagat ggaatctctt aggaaattac 401640  
 tgggcacaaa aaaatatgag ttcttttcag agaagcatcc tgtttccttc ctatattcac 401700  
 cagatataaa agtagtctag gccgggcgcg gtggctcacg cctgtaatcc cagcactttg 401760  
 ggaggccgag gcaggtggat cacctgaggt caggaattct agaccagcct ggccaacatg 401820  
  
 gtgaaacct gtcttacta aaaaatacaa aaattagccg ggcatggtgc tgggcatctg 401880  
 tattcccagc tgctcgggag gctggggcag tagaattgct tgaacgcagg tgacggagtt 401940  
 tgcagtgagc cgacacagta ccactgcact ccaacctgag tgacagagtg agaatccatt 402000  
 taaaaaaaaa aagtagtcta tattgttaact aatcatcacc aatgtcctta atttttcact 402060  
 taagcatggt aatcaggcta gatgcagtgg ctctcaccta taatcccagc actttgggag 402120  
 gtcaaggctg gagaatcact tgagccctaa gttcaagatc ggtctaggca acatggcgaa 402180  
 accccgtctc tactagaaat acaaaaatta gcctggcatg gtggtgcatg ccttagtagt 402240  
  
 cttagctacc caggcagctg aggtgggagg atcaccttag cctgggaagt tgaggctgca 402300  
 gtgagctgtg atcgctccag cctgggtggc agaataaac tgtctcaaaa caaaaacaaa 402360  
 aataaaaaac catggaatc atattcagtt tgggtgtacat ctttcaagac tgcattttaa 402420  
 aattacttag attgtatact gtacataaaa atcttattca aaagtataat ttttcatact 402480  
 tgaaaactca gtaagaaata ttagttctaa atttttttt tttttgagat ggagttttgc 402540  
 acttgttgcc caggctggag tacagtggta caacttcagc tcactgcaac ctctgcctcc 402600  
 caggttcaag cgatttcct gcctcagcct cccaagtagc tgaaattaca ggcattgcacc 402660

accacgcttg gctaatcttg tattgttagt agagacaggg ttccaccata ttggtcaggc 402720  
 tggctctgaa ctctaacct caggatgatcc accgcctcg gcctcccaa gtgctgggat 402780  
 tacaggcgtg agccaccaca cctggctgaa aattcttaaa ggaaaagtag tgcataatgt 402840  
 caaagtagta cttaacttac actatttggg taatggtagt actgaaagcc cagacttcac 402900  
 cactatgtaa tatatctatg taacaaaact gtacttgtag cccttaaatt tatacaaata 402960  
 aatatttact tattaaaac ttgaatttca ttgatagta gattcactga catacggaga 403020  
 aattttaaag agaaatgtat catagaatga aattagatca gtaaagaagt ttatgtcaa 403080

gtgatttatt ttttcttagg gaaggttaga tgctcaagaa gatagcataa aggaaaaaat 403140  
 agtcaacatc tcctaaaata tatgtgaagt attattattg taacagaaag taaaccttcg 403200  
 caataaaaat gagaagacag gaagtcttag cttagagcaat caggcaagag ggagaaataa 403260  
 aaggcatcca aactgaaaa gagacagtcg aatatctctg ttacttgatg atataatctt 403320  
 atacatagag aacctgaag actctccaa aagactccta gatttaacaa atgacttcag 403380  
 caaaggtaca ggatacaaaa tcaacatata aaaatcagta gcatttctat ataccaataa 403440  
 tgatcaagct gagaaccaag tcagaactca attccattta caataactac aaataaacca 403500

aataccaga aatataatctt accaatgagg tgaaaaatct ctacaagaaa aactacaaaa 403560  
 cactgctgaa agaatcata gataacacca acaaatggaa aaatatcaa tggctcatgga 403620  
 ttagaggaat caaatcatta atactgccca aagcaatcta cagattcaac acaattcctt 403680  
 ttaaactacc aatgtcattc ttcacagaat tagaaaaat aatcctaaaa ttcatatgga 403740  
 accaaaaata aaacggccc aagtagccaa agcaatccca agcaaaaaca gtaaagctgg 403800  
 aggtattaca tcacctgatt tcaaattata ctataaccaa ggctataata actgaaacag 403860  
 tgttgtacta gtataaaaat ggacacacag atcaatgaga cagaatagag aaccggaaa 403920

taaagtcaca cacctacaac caacaggtct tcaacaaagt tgacaaaaat atacactggg 403980  
 gaaaggatac tctattcaat atatggtgct gggataatta aagagcaata tgcagaagaa 404040  
 tgaaattgga ctctctttc tcaccatata taaaaattaa ctcaagatga attaaagact 404100  
 taaatgtaac acctgaaact ataaaaatcc aaagaaaaac ctaggaatag ctcttctgga 404160  
 cattggtctg ggctaagaat ttatgactaa gccttcaaaa aaatgcaac aacaacaaca 404220  
 acaaaataga caaatgggac ttcatataac tgaaaagctt ctgcacagca aaacaacaa 404280  
 tcaacgcagt aaacagacaa cctacagaat cagagaaaat attcacaac aatgcatttg 404340

acaaagggtc aatatccaga atctacaagg aatacaacaa attcaacaag aaaaaacaa 404400  
 ataactccac taaaagtag gcagaggacg tgaacagaca cttatcaaaa aaagacatac 404460  
 aagcgcccaa taacatatg aaaaatgct caacatcacc aatcatcaa gaaatgcaa 404520

ttgaaaccac aatgaggtat caccttatac tagtcagaat gactattatt aaaaagtcaa 404580  
 aaaacaacag gtgttgacga ggatgcagag aaaaggaac acttatacac tgttggtggg 404640  
 aatgtaaatt aagtcagctc ctgtgaaaaa cagtacagaa aattctcaa gaactaaaaa 404700  
 cagaactgcc atttgatcca gtaattccag tactgggtat ctacccaaag aaaattaaat 404760

cgtatTTTTT aaaaaagaca gctgcactcg tatgcttata atagcactgt tcacactagc 404820  
 aaggtcatgg aatcaaccta cctacctacc tacctgtggg atttaaaaaa atgtggtatt 404880  
 atatatacca tgaatatgc tcagctataa aaaggaataa aaccatgtct tttgcagcaa 404940  
 catagatggg actgaagacc attatcctta gtgaaatgac tcagaaacag aaaatcaaaa 405000  
 accacatgct ctcaattata tgtgagagct aaacagtggg tacacgtgga cattcagaat 405060  
 ggagtaatag acactgggaa ttccaaaagg taggtgggtg agagaggggg tgaggaatga 405120  
 aataccacct gttcagtaca atgcacacta ttcagatgat gggtacatta aaagcccaga 405180

tttccccact acacaacata tccatgtaac acaactgtac ttgtaccct aagtcagaa 405240  
 aaataaagta cttaatTTTca aaaataaaag gagaaaactg tttatttcag ctgagaaaaa 405300  
 aagtgaagt actatecatc aagataaaag tctgagataa ccaagactca aatatcttca 405360  
 ttgcttaaaa caaaacaaaa caaaacttgi ttaaagtac ttagcaccta taatgtgcca 405420  
 ggtagtgtgt tgcctgggaa ttcaaagatg aataagacc aaaagaaatc ccataactca 405480  
 aaatatggta gacaatagt taaatagatc caggctcagc aaactacact gcatgttttt 405540  
 glaagacttg tgacctaa gaatgttttta cagataaata ggtacaggta aatttatTTT 405600

tacagataaa tataaacagg taaatattac agataaatct gatgacagg aacactaact 405660  
 ttgaacccca attaagaaaa atgttatccc ccacaaaat aattccattc ttctgattag 405720  
 tatacttggt attatgaaaa taatactcaa tattataatt ttacttttgc caaaaaaaaa 405780  
 tcatgggaaa ttgttttctc ttttgttata taagtaccta cagaatatcc ttgattttcc 405840  
 ctcttggcct acaagtTcta aaatatttac ttgctgtaaa cttcacagaa aaagtTtgcT 405900  
 gatccctgaa atatttTcaa ataattataa ttgggtaaat acagtataa agaataTacc 405960  
 tataacctga gaactgaagt tattatgaaa ataataactt gaagtaagga agaacaccta 406020

aattagctta gtagaatggt ttcaggaaag acttcctgga gtaggtgaca tttagtctga 406080  
 aaaaactaaT aggagtTtaac gaaacaaggg ggatgggcag aggagtcacc aagaggttgg 406140  
 aggagggTct ttagtcgccc atggccagtt tgagtcttga gataagcaga tgccaggggtg 406200  
 gaattgaatc tgattagttt cagttgttaa taactcctaa ctttatatct ctaccacaga 406260  
 ctcagttcca gttataacca gctaccagac agcgTTTTta accagctaag ggaggtgggg 406320  
 tgtgcagaat tcctgtctga gaagatgcca taatctctac tcttcctata gacatggatc 406380

cttctttcag gtictattat ctctgtgggc ctgtcctgtt tattttttaa agttgtattg 406440

ttttatataa aagatactta ataaaatact tagggttttt tttttagtga ttggaatctg 406500

taaaaataa aattaattta aaaaaatctt tgcaatgata tccaaaattt aaatatatat 406560

atatatatta ctggatagat acatgtatat atataattac tggatatata tatacgtgtg 406620

tgtgtgtgtg tgtgtgtgtg tgtgtatctc cagtaaaaga tagtgaatag aacacctata 406680

tgagcttate aattctcctt tccaaacatc acaaaaatga tggcaggaaa taaactttta 406740

aaaatttaga accttaata aaaggaaaac tagagataaa ataacaacag tgagaactgt 406800

caaaaatagg ttaaaaaccg gaaagcatat gatcaagtaa caattgactt cttagctgaa 406860

cagaggaagt taaaagttaa gtacctgtag ctgggaaagt caagaagcaa actaattcat 406920

tcctgaaaag gaatgaatgg agctttcctt cctagagaaa tcaaggagag aaaagacctc 406980

atactaaaaa ctggtgggct gccaaagata cggttggcta tctcctgaca accttacct 407040

gaagcccaat aattgaattt acttgtctat ggtaaatgta tgtgtaattt atttggggtc 407100

agctacatta tgtaacgagc cccctgttca aaaagcagaa aaaagggtgc attaaaaata 407160

taaaataata agctttttcc tttcttcctt ggtctttttt tcagtttgc atggtttttt 407220

attttttatt tgctagttaa aattttttct aaggaaggaa aaatttttaa ttattaggct 407280

gaattttgtc attcgtcttt atattgcata atgctagctt taaatgtata tatgtacatt 407340

taactcctat gtaggatcac caaaatcaca caattcttat tttgtagtgc atacatgcac 407400

atataatttg ttcttaccag aacagtggaa aactacaca aaatttactc aattttttat 407460

ttcaagtcta ccaacacatt ctaccaacac tctctacctt tgacttatgg catcattact 407520

ttcagcaaaa ccagctgtgt aatactagga aacaatggga ataagaaagg atatcatagg 407580

attccttgct catttgtgtt tcttagaatg ccattgtctt ctttttgcat tagaaacaac 407640

tctagttcaa ataaaaaaca tagcctcaag aggttatcag tatttatgtt tactcagact 407700

tagctgtaac atgtttacct tgtgctagct gtgagtctca ttaaacttgt aggcaccact 407760

gggtcccttg gaattctgtg ttcatggggt atctccaaca ctatatgcaa acagggcaga 407820

aagtactggc agacgaattt catagtccag tgttccaaca ggccttactt ataaaataca 407880

ggtttcgaga caaaattatt agaatttcaa gatactaaca gtggaatatt aagccgaata 407940

tgggactctt ttgagcatga ggccctgttc aattgcacag gtctcatgct catgaacctg 408000

ggtctgagtt tataagaaaa tgccaaatgg ctgtgccata ttgcattccc accagcaaca 408060

tttgaaagtt cccgctgatt tgcactttta ccagtaattg gcagtgtaa acttttaaaa 408120

tatagccatt ctagtaggta tataatgata ttcattctaa ttgcatttt cctaattaat 408180  
aatccggtg aatatcatgt gtttatttgc tatctggata tcttcttag taaaatattt 408240  
gtttaaatct ttgccaat taaaaaatg aattgttttc tttagttttg aaagtcttc 408300  
atatactctg gatataactt cttaatcaga tatatccttc acaaatattt tgtccaatc 408360  
tgtggcttgt tttatttatt ttttacttt tgcaggaatc tttgaagag cacaaggtct 408420  
taatttttat aaactctaatt tttccaattt tttaatagtt gatgtctttt atgtcttacc 408480  
taagaaagct ttactatcaa aggtcacaaa gaatttcccc tagcaattta tatcgcttta 408540

ggtttcacat ttgatctat gtacaatttc aagttaattt ctttatatgg tggagatagg 408600  
ttttagcttc agttttctgc atatggatgt tccagcacct tttactaaca atgttttacc 408660  
tcatgaaatt actctctcat ctttgttggg atcatttaatt tgaatatatg tgggcatctt 408720  
tctgtactat ctttatctat atagctatcc ttactcccaa tactacactg tcttgaatac 408780  
tgcagctgaa taagtactga aatcagacag tgggaggcct ttcttgtttt tctgttttaa 408840  
aatcattttg cttatacgag gtcctttgca tttccaaaca aagtttagaa tatgcctatc 408900  
aatttctact caaaaagctg cttatatctt gatlgaaatt gcacagattc tatagataaa 408960

tgtgagataa atttaccat taaaaagtct ttgaatccat aaactgata tgtctctcca 409020  
cttattaagt tttctctcat ttcatcacc aatgttttat agttttcaat atagaaattt 409080  
tccacatttt cttagattta tcccttatta ttcattcttt ttgatgctat tgttatattt 409140  
tttaaagtgc aatttctaatt tgtttaatta caagtatata gagaaatgca attttttaa 409200  
ttatcattat actttaagtt ttaggttaca tgtgcacaat gtgcaggtta gttacatatg 409260  
tatacagggtg ccatgctgct gtgctgcacc cattaaactcg tcatttagca gtaggtatat 409320  
ctcctaagtc tatccttcca cctccctcc accccacaac agtccccaga gtgtgatgtt 409380

ccccctctg tgtccatgtg ttctcattgt tcaattccca cctatgagtg agaacatgcg 409440  
gtgtttgggt ttttgtcctt ggcacagttt actgagaatg atgatttcca atttcatcca 409500  
tgtccctaca aaggacatga actcatcatt ttttatggct gcatagtatt ccatggtgta 409560  
tatgtccac attttcttaa tccagtctat cattgttggga catttgggtt ggttccaagt 409620  
ctttgtctatt gtgaatagtg ccgcaataaa catcgtgtg catgtgtctt tatagcagca 409680  
tgatttatag tcttttgggc atataccag taatgggatg gctgggtcaa atggtatttc 409740  
tagttctaga tccctgagga gtcgccacac tgacttccac aatggctgaa ctagtttaca 409800

gtccaccaaa cgggtgtaaaa gtgttccat ttctccacat cctctccagc acctgttgtt 409860  
tcttgacttt ttaatgatig ccattctaac tgggtgtgaga tggatatca ttgtggtttt 409920  
gatttggaga aatgcaattt tttttaaagt cagacctatg gctaagaaat acaatttact 409980

tttgtatgtt aatcttatgt tctgtgacct ggctaaactc acttattaat tttagtagaa 410040  
 ttttaataa tctttgggag gggatggggg gcaaattaca ccatctgaga atgctgatag 410100  
 tttttattct tctttataa tctgtacacc tcttatttct tcttcttgcc tcattgctct 410160  
 aaacagggca gttaatatat gatttaacaa aatatgatgg ttaacatgtc aacttgattg 410220

tgccaaagtg tgcacaaatt aaccattatt tctgcatgtg tctatgagga tgtatttgaa 410280  
 tgagatgagc acttgaatca gtggattcag taaaatagat tgccttccc agtgtgggtg 410340  
 ggcatcatcc aatctgttga gggcctgaat agaacaaat gacagaggaa agagaaactc 410400  
 ccttcttttc tctctgtctg cctgtttgag ccgggacatt ggccttctcc tgcccttaga 410460  
 ctaagattcg cactgattct cccctgattc tcaggccttc ggactcagac tgaaattata 410520  
 ccactttcct tcatgggtct ccaacttgca gatggcaggt tgtgggtctt ttcagcctcc 410580  
 ataactcatgt cagccaattc ctctaataatc tcagatatta tggatatttg atatcataat 410640

atggattatg gaatcggatg ggaaagagat ccatcctatt ggttctgttt ctctggagct 410700  
 gactaataca cacaagtagt tagaacaaat gtattttatt tggctctgat ttttaaaaga 410760  
 aaataaataat ctttcattat taagtatgtc agctctagtt ttttggtaga tatcctttat 410820  
 caggttgagg acgttatctt ctactcctaa ttgctgagt tttatttttc tttttttgaa 410880  
 tcttgaatgg ttattacatt tatttcaaat gctttgggag gggatgacac aggagatcat 410940  
 atgttgtttt tgttttgttt ctagtctgtt gatatgcaga gttacattga ttacttttta 411000  
 aatggtaaag caaacttgca tttgtgttta agaatgagtt actacatcat aaccaaaaac 411060

actccatggt gtatgatggg gttatgatgt agtaactcat tcttaaacac aaaagggtag 411120  
 acaaagatca caagtcattt gagggaaacc tctaactga gagagaagat aacaataaac 411180  
 agaaaaaaat agcatttga gtaataaag tatcactgtc accttcaaag agatgagaga 411240  
 agatatttga tgctaggtaa cataacataa tattgtgtgt gtatgcgtgt gtgtgtgtgt 411300  
 gtgtgtgtgt attatatatt gccaggctg gactgcagtg atgctcatag ctacttgcta 411360  
 cctcaaactc ctgggcttaa gtgatcttct cacctcagcc tctgagtag ctgtgattaa 411420  
 aggtacaagc catcatgccc aggttaatact gtatgttttt aaaagaatca ttcaaagatc 411480

cagaaagagc tctgttaaat taaaaatagg acataaaaat tcagtggaaa aagatgacat 411540  
 ctaagatatt tctcagaaaa tgagggggga agacaataag aataaaatta tcaagaagca 411600  
 gcataagaaa attagaggtt tagcatctga ttaatggtag ctctacaaag aacagagata 411660  
 ctaaacgggg gtgggggtgt ggcaggtaga gtagttaata gcgttataat gcaagaacat 411720  
 ttctttaaact gaaagacctg aatttccagt gccagcatg attttaaacg gcctatagta 411780  
 ggccggggcg gggtgctcac gcctgtaatc ccagcacttt gggaggccga gacgggtgga 411840

tcatgaggtc aggagatcaa gaccagcctg actaacacag cgaaaccccg tctctactaa 411900

aaatacaaaa aattagccgg gcgcggtggc gggcgcctgt agtcccagct aacttgggag 411960

gctgaggcag gagaatggca tgaacccggg aggcggagct tgcagtgagc cgagatcgcg 412020

ccactgtagt ccagcctagg ggacagtgcg agactccgtc ccaaaaaaaaa aaaacaaaaa 412080

acctataatt ggtaattat tgtgaaatgt ctgaacacta gacgaaggtt ttaggataaa 412140

gatcccaaac ctccactga gggaaaacaa ttacattta aaaactcagg aactagaatg 412200

acagactttt cagctgcaat tctgaaagtc cagagacaat agagcgctgc ttttaatttt 412260

ttgaggtaaa agaattttca acattatatt tagtataaat gcatttttag gccactata 412320

ttggcttaca caigtaatcg cagctctttg ggatgccgag gtgggagggt tgtctttgag 412380

cccagagttt gagacaagct gagcaatgta gtgagaaccc ccgcaaccac ccacctctac 412440

aaaaaataat tgcccgatg tgatggtgca cacttgtaat accagctgct tgggaggctg 412500

aggtaggagg attgcttgag cctgggagggt tgagactgca gtgagctgtg atcatgacac 412560

tgcactctag tctgggtgac agagaaagac ctgtgtctca aaaaattttt tttaattaaa 412620

aagaaagatg tatgccatta aatcaaaaga gcaactaga aggaaaagga cataagactc 412680

agaaataaag aatcaaacac acaataaaga taaagagaat cccagaaca atgatacaaa 412740

gaaattccag aatgacatct atgcagcagg cctaaagaac aagtacatat tagagtagga 412800

gaatgcaaag ctctaataag aaagtccttg aaatggaaaa atgtgtttgt ttgccaacct 412860

tgttgagagg agatttatgt ttctgatagt ttagggacat ttaagcacac agaaaaccaa 412920

gcaagcaaac aaaaaaggac aattatttac tccagaagga aaataaaata gcccaagaaa 412980

attaatataa tccaaatact ctatgcaact cagttttgag taattacgtg gttgcaatcg 413040

ttataaaggc tgaatattga caaaattgaa attgagatca ttgaattgga aaaacagggg 413100

catgaaagtc taatggataa aacagagaag aaaaatttta aataccattt tattgagtaa 413160

atatttatag aatatttatt gtggcttagg cagtaagtgc ttcacaaata ctatccatgt 413220

aatcctgata ctaggattaa ggtagtatt aattccaagt caattggaat taaggttggt 413280

attattaata cciatattaa taaggtagta atttctaagg ttggtattac taattccaag 413340

tttgctgatg agcgagcaaa aacacagaaa atttagttaa tttccccaag atcagtgggt 413400

ttcaactggg ggtgatgtg cteccaaccc caggggacat ttggcaatac ctagagacat 413460

ttttagtgtt tatagctggg gtggcagtgc tgctggcatc tagtgggtag aggccaggga 413520

tgctgctaaa catcctgtag tgcacagtac agtccttac cacaatcat tatctggcac 413580

aaaatatcaa ttgtgctttg gtttaagaaat aatatccaga atgaaaagga atggcagtgg 413640  
 gagagctggg atttaaatcc cagcagctct tgaccacctt actactctgc ctttcaatag 413700  
 cagtctaattg atgttgttta gaaacatgaa gataaaatca gaagaaaaag ctggaagaat 413760  
 taaagtgggt gcttctacaa agacataacc tgagatggag aataaaggcc ataaactatt 413820  
 attgtgcttt tgtgtgttgt ttttactgt tctcttaaaa gacctgaagc actatttgaa 413880  
 ttgtaatatg cttattttca aaggttaaac tatttttgaa cattcaaac atagataatt 413940  
 ttcagcttaa ttattgtttt ccatatttga gagtatttat taaaatgcag tttataagag 414000  
  
 ttttctagca gcaaatattt gtaatgaatg aaaagagggg aaaagtttca tggaggagag 414060  
 aataagagaa cttttgtctt gattgacgtc ttgcacctca agttccaact tgtgacataa 414120  
 tgaagcattt taaacagaaa atcttgaaga ttttctgttt aaaaatctgg aagatagatt 414180  
 accaactcta tcattacata tattaataca tcaacattag aggaacagtg aagttgttca 414240  
 agaaaacact ggaagtgaat gaaataagga tgacactttt attcttaata attattttta 414300  
 agttaataaa tgtgatataa tctaaaaagt catatggaaa aaacaaatct aacttggaaa 414360  
 ttcaccaat attttctgcc agtgagaatg tatctttaat tcaacaggat atacggcaaa 414420  
  
 gataggaaga aagatacaaa gtttatgtta ctactacagc agtacattgg atcagcagat 414480  
 tateccactc cttagcctca gagaaaacag aagccatcta caagaaactt tcctatctct 414540  
 gtttcttac ccacatctcc attttctttt ctgaggtgtt tctctttctg ttttaaggtag 414600  
 tttttgtttt cttttgtttt ttctgactag gtaatttcac atgtttcaaa aagtaaaaga 414660  
 tatcagcata cagtaagaag tcttgaacct gctgccatgc acatttacct cattcttccc 414720  
 agttctctac aaataacct ttttatagtc tgaatcctct cagtaattct ttatataaat 414780  
 acaagcaaat atggatatgt gtatacacac acacacacac acacacacac acacacacac 414840  
  
 tttcttatat ttcccatatg cactcttcta tgtcttgctt tatttcacat aaaatgtttt 414900  
 gggatacaat ttaatatagc aaagtctggc caccttgaag atacttatca tttacaact 414960  
 gagaaaattt aattccagag atttatattc cattaaaaat attaaccacc ataataatta 415020  
 ctggacaatt ttttaagttt tcaattctca gatacactaa aagaaaaata tttttaaaat 415080  
 cagatgtatg ttttctatgt tttagatttt tctttttaag agacagggtc ttgctctgtc 415140  
 accaggtctg gagtgcattg gcacgatcac agtcactgt aacctcaac tcctaggtct 415200  
 aagtgtacct cccacctcag cctcccaagt agttgggact acaaatgcct gccaccacac 415260  
  
 ggactaatta tttttatttt ttgtagatag aggtcttgct gtgttgcca ggttgctctt 415320  
 gaactctgga tttcaagtga tcctctctgc tcccaaagtg ctgggattac cagtgtgaga 415380  
 caccgtccgt ggctgtttt tatgagttac tagttaagcc aacttaaga aaaagtgtac 415440

tttagcaagc agtatgtttg gaaacaaatt aataattaga ctaaataccc ttgtataaa 415500  
agttggccgg acgtgtggc tcacacctgt aatcccagca ctttgggaga ccaaggtgag 415560  
tggatcactt gaggtcagga gtttgagatc agcctgatca acatggcaaa accccgctcc 415620  
tactaaacat acaaaaatta gccgggcatg gtggcgtaac tctgtagtcc cagctacttg 415680

ggaggctgag gcaggagaat tgcttgaagc caggaggcag aggttgcagt gagctgagat 415740  
caggccactg cattccagcc tgtgcgacag agcgagactc cacctcagaa aaaaaaagt 415800  
aaatcagtgg tcttaatgtt cttactttgc ctttaatttg catcattttc tgtacttcta 415860  
aattttaaat atgcaacttt atcaaatatt ttaattttct tatttaaaaa aatcctgaga 415920  
tagtcaaaga tcatttttca aatgctaaaa acctaaataa tcacattgaa atcaattttt 415980  
ttctagcaag attttaattgg gagctaaggg gcttgagatt gtataaataa accctccctt 416040  
ctactccatg caacatggat aactcatgtg gacacacatt tctttgaatg gagctcagaa 416100

tgtggagtgt gtagaggaga gaaagaaaaa tgtaacacat gacaactgta caccaagtta 416160  
acccaacat atctctactt cctgcggata aacagcctga ttgacctgg agttgtgaaa 416220  
tcaaaggaag gtgagagtgt ctctgtggcc cttccaagat tctcccagag tgcaaaagcct 416280  
accctaagc cacaggagaa tctattttta tagtcagttg tctttgaata aatgggtgtt 416340  
tgcttcaatt ctaaatgaat attatctttt gggtacatat taaattagtt tctgtcttc 416400  
tatttcaagt gaaaaattac ttgcatcttt atggattcaa cttattgcca gaactgctag 416460  
aattgtacta gcagacaatc agagggtttt gcacatgtc tatttgactt tcttatggca 416520

tatggacata ccttgtctg aaatttaaaa aaaaaaatac agaaaaaat ggaaagatca 416580  
gctctattcc ctaaaacagg aagagaaata attcaacac atataaata ataaaagtaa 416640  
attcaatate tattgaataa ctaccatagg caaagcaatg caaccttcta aagggtgaaa 416700  
ttagtaatgt gttactagaa atataataaa aatgtcaaat acaaattata ttagtgctgt 416760  
aataaaatta agtcgagatt cttcaaaatt atatatgttc acaagcaca aaataacaaa 416820  
gaaaaatggt aagcatgttg tcaaaatgca atcgatgata ttcaatcat gccacatttc 416880  
cccagcaggt gttctattta aagaaatttg ttatatattat tctggttgtt ttgtataact 416940

aagctatctt ttttttcag ttattgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtt 417000  
attttggtga agatgaagta taagaactct aaattcttta tacaacctct atgtatcttt 417060  
gaatagacta tcaattttta aaaacattat taattggaca caccaactga gctgtatgtt 417120  
cttatgtgtt atttgctggc actgataagt ttctggaaat tagtaaaaca ctttaagcta 417180  
tatatattat atatatatat atatatatat atatatatat atatatattc 417240  
atactgcaga ggcatgtgaa tcaagtgtgt tgcacaactg atgtccaaac aggaacttat 417300

tttttgttaa aatatcattt atcaggtgcc aagtgtataa ggaatttctca ggagcttcat 417360  
  
 actgaatcta caggcttttt tctttgtctt caaaagtaca agaaatcggt tattgtttgt 417420  
 aatctgtaaa agtgaaagta acagcaaata taaaacgcat ttaggaaaac agaaaaagta 417480  
 agccaaatgt aatctctaac tctttcaaaa ttaaaaatcc cttttgagaa gaagaaattt 417540  
 gtaagtacaa ggcaaatgtg ctaatacggt tttgtttact ttgttataag ttcagtataa 417600  
 aattagcata atttccaagt actagatacc atattactaa tataaatata tgctatttag 417660  
 aaagtgatta ctatagtagt ttgaacaga caaaatcaag caagggtttt tgcacatatac 417720  
 ttgcaaatat aaacttagaa ccttgatttt accaaaatta tacgaacctt atctttattc 417780  
  
 atgatcatat caaataacta ccttggtctt ttgccctccc aaaacaggcc tccttttcct 417840  
 taaagctatt ccatttactt ggcttaatct ataactagag caagactgaa ataatcatct 417900  
 atgtcatcta aaaaaaccac ttacacaaac gacactgtgg gaaaagagag aggcagtggc 417960  
 ctggcactga tgactgtcaa acaggaattg ggaactaac caatgagccc tcaaagactg 418020  
 gtaatttgat aggacacttt ctatagtagc tgagaaaaca atgatacttt acataaaatt 418080  
 taatctttta taagattttt gcattttagt tgataattta tttttttatc ttactactgt 418140  
 ggtttatattt gaatgtgta ttaatataat taggtgatat aaataaaatt aacatattat 418200  
  
 tttatgaaaa tattattgta ttattcaaaa accaaataat catttaaaat tttttgttaa 418260  
 attgaaatag ctcataaaga tctttcttat ttaattagtg attgatggaa aaacttattg 418320  
 ttactacatc caaataacct gtccacccta cctcaccac ccagtgaaca ctaactctgt 418380  
 ctgtagtacc cccatgtagt acagtaccta aagtaccta gtagtttact taggtagtac 418440  
 agttaccta gtaaaactaac atatatattt ttttctttt ttttgatttt ttagtagaga 418500  
 cgtggtttca ctgtatcagc caggatggtc tcgattgcct ggctttgtga tctgcccgcc 418560  
 tcggcctccc aaagtgtgg gattacaggc gtgagtcacc acgcctggcc cccatatatt 418620  
  
 ttcaatccct tcattctatg cctacctttt ctagaagcta gaaaagctat gtacttgctt 418680  
 ccttgctttc cttgcaatca gaagtggta taagacataa ttccggccat caatatgtag 418740  
 gtgaaagaat actagagaga agtcttttgg gggaaagtca gtttttctac attaaaaaa 418800  
 cgcagttttc catattctt tttcggtctt gaaagaggat cgaatgtgtg gaattgctgc 418860  
 agtctgttta tgactttaag aggaaggtta agataattgc agtgatctg gattggatat 418920  
 tgttgagcta ctgcactgc agaagcagtt gcctattacc tggtttctaa tgtgagaaaa 418980  
 taaccctttc tgtttaagcc actgcttata agatactctg ttacttgggg ccaatagtct 419040

ttctgatgca ctgccctaaa agagttcata ttctgagaaa aatatgatca catgcccaaa 419100  
 gtaggtaaca gtgctttaaa taaaagatat cttttatctt atctaaattg aggtaccac 419160  
 ctccacccc cttgtaatat cctgattatc agagtctagc ttttgcga aagaaagggc 419220  
 tgggtatttc tcaaagaaag ggctggtgaa tgaatttatg catagatgtg ttttactttt 419280  
 ggttaaaaga caggtaatga atgtatgaat gtgtgtgagt gtgtgtatgt ctgtgtgtgt 419340  
 gcatgcatgg gtgtatgtag ggtgataatc catataaaat agttaatttt attagagact 419400  
 ttgtgatata gtgaacccaa ctgggtgctgc ttcaagaacc aactgacaaa gtatggcaca 419460  
  
 gtgggtgcct cactttctgca gttaagccca gccagctct agctctttgg taggcagttt 419520  
 gggaatcact gagagacaat ccctacaaca tcaagattaa ttctgtcaca gagggtataa 419580  
 gcagcagcag acgtgtcagg aaactctaca gtaagtgaca ctgaggtatt aaacttttag 419640  
 gaggtctaag tggaaaaaca aaggaagttt acagagcata tattaatatg tcttgaaaaa 419700  
 tcctggaaat attgggagtg gtaagaaatt ttggggagta tggagttcct acgagagggg 419760  
 ctactctgt caccaggctg gagtgcagt gcaccatcac agatcacaga agcctccacc 419820  
 ttccaggctc aagcaatcct cccatctcag cctcccaagt tgctgggact atagggtcac 419880  
  
 accactacac ctgactaatt tttaaaattt ttgtagaga tggggtctac aggtgtgtgc 419940  
 ccaggtgat ctcaactcc tgggttcaag tgatcctccc acttagctc ccaaagtgt 420000  
 gagtttaca gtgtgatcca cttgcctgg ctaaaattg cattattaat gtaactggaa 420060  
 tctagtttgt agacaaactg acagggttat gaagaagtg atttttggtt aacagatact 420120  
 ttaactcttc acccaattca agctgctatt ggtgaagaga agcttgaagc tgctattgag 420180  
 aagactttta tccaataaaa gtcttggatt aaaagtccaa gacagtagct caataatctc 420240  
 caatccagga cttttatcta acacttttat ccaactttta atccaattca agctgctatt 420300  
  
 gagaagactt tccatttaag agaactggac cggagaaaagg aagattatc aaacaagaaa 420360  
 gcaagagaat gcttattgaa agccgagtaa ctggagtata ttctttgatt aaaggcagta 420420  
 gaggttatc ttctttaggt tcatattaat ggtataccgt aataaccata tcattagaag 420480  
 ggtaaaaagt cttatttccc cctccacact ccaagactct gtatgcagta gtaatctctc 420540  
 ttcatTTTTT aaaaatgaaa ttgaatgcta tggaaagaca aatcattgcc acaaattact 420600  
 atgggcaaga aaactggaat atattacaaa aatatattta atggaagcat tctaaactca 420660  
 ttgtttcaca agtgctctca agctatatgt tccctttaac aaaaactaaa acaaaaaact 420720  
  
 gttggttttg cattatggaa agtgtttatg taaataagac aatctagaac tcccaacagt 420780  
 agatgcatgg tcaaaaggcc ttggcccagc atccaaagac tggetaatga atgcataacg 420840  
 gtaggttttt agtgaaaata taatgcttac atcatatatg tataatattt tatagtctc 420900

tactttaact ttttagaata gctgaagaac tactcatcct aatcgtttca gctctctaag 420960  
 acaaatttcc cctcttcacg ttgttgaatg tggcaggttc cccitttaat atgaatatcg 421020  
 taagtctggg tttggctcta gattaataac tagtctctgt agatatgacc attttcctcc 421080  
 taagttttct actagacatt atagggggag atgtaaaaat caagacaatc gacttaaaaa 421140

aattattttc aagtgatgcc tgtttaaatt aaatgctcta attccaccta acaaagcctt 421200  
 taattatcaa ttttcttgca cagcagctca ctcccatcag acaatatgaa atcacactct 421260  
 ttaagacaga agataaacta gaaagcttaa cttctgtctt ggtcttcatt tctgggaaca 421320  
 cttttacaaa tcaagattag cagccatgaa ccctaaggca agtcctctgt ggtcaggatt 421380  
 agagcatatt cacattaat tacttagtat atgttctaac atggctaagt ttcaaaaata 421440  
 cagaagggtt atgcttattt gccatattcc cttcaaccaa actgaatagg cagttacata 421500  
 acttgccagg acaagtagta gaaatgagtc agagacagga ccaaccctag taaaaattgt 421560

gaattaggca gtttgacttc agtgccacac cccttttagta ctacatatc ttccttgatc 421620  
 ccctcccttg gtatcatcag ccccaggggc caccctcata ccacatacct ctccccacc 421680  
 aaattcctct ctctgtcttt cactcatcat cgaactggc ttcctctctt tectacttcc 421740  
 cttctgttaa ttigaatttg cagctccagt atctctctcc tttagggttt aaaatgacaa 421800  
 ctaactaatc tgataaacca atccacatta acgtgtgaag agagaaagct agaaaataaa 421860  
 gtgaatttta actatgactt tctaaagata aaacctttgc agtttaactc attaataact 421920  
 aaaagtgaga atttctagcc aaaaaattta ggtgaggga atgttttggt tcgggtagag 421980

ccttgaagca cctggaaaat caagtaagaa tagatggttg cttttatggt gtagccagct 422040  
 ctaataagtg taactgacta gccctgggtca gtttggggcc agtaggggaa aacgggaaat 422100  
 aagctaaata tacaaaagaa gttcatttgc aaagaaaagt ggaagttaca ggagcaccac 422160  
 aattaaattt ttctgtctta gtatttcata gatctagcga gtctggtgc ctgtaaatat 422220  
 tttccaaagt ttctcttcag aacgaaaaa ttaagtccaa aaattatctc aagcctaaaa 422280  
 tatccagcaa ttccaaaac ctgtaaagct tttgttgtt tggcttttaa aaatagtggc 422340  
 ctaaagctta cagttttcat gcataattg tatttgcctc tgctgaatat tgaaaaaaca 422400

ttacaggcta tcatgtgtgg aacatattcg ctattcttat ttccttact ttacaaatga 422460  
 ggaagatact caaagaagtt aagtggcttg ccaagatttg tacttaggtt ttctgagtgc 422520  
 aaacgtgtg ttcttttcaa tgtactttgt cccagtgttt agttatctct gtcatttctg 422580  
 tcatgtgact ctgcaccta ggggaattct caaatTTTaa agagcgttca gctactacca 422640  
 aaagaaaata acttttgtat tcaatggacc tgaaggtaat tctagtecta tctggtttct 422700  
 atcactgcat ttttttccc cagctaattc ttggttact tggaagtgtt agtattgcct 422760

cacaaagtct tccttaagca ctgtcagaat ttgtgcttca attatctgct catgttttag 422820

tggattactt atcttgcttc tgcttctcac ctgggcaacg ttcccatcac agctcttact 422880

ctgtaagcaa gaaaggataa tatgtctctg ggcttaaaagt agggaaaaac actaacatag 422940

ttggtacaag ccagaatgca aatatctcac attgagatga acacaagaag ccagctggga 423000

aaacattgct atttacagat ttagattagc ccagaattca tttcagcctt tgaggtaaaa 423060

ggtggcattt aaaaatcact ggcatctaaa acacacactc ttaacacttt ggagagatat 423120

agaccccttt gtgaatttgt caaaaaatta tggatgaagc tgggtgtggc aatgcgtgcc 423180

tctagtccca gctacttggg aggcctgaggc ttagatttca cttgagccca ggagtttgag 423240

gccgctgtgt agtatggctg tgcctgtgaa tagccactgc actccagcct gagcaagaga 423300

gcaagaccca tcttttaaaa ggagaaaaaa agtatggaca ttttccttag aaaaaagcac 423360

aatcacacat acctggaata cagtctgggg gctccattat gtggttgtcc atgggtccaa 423420

cataaaatac tggaatacag tctgggggct ccattatgtg gttgttcatg ggtccaacat 423480

aaaatattct tgagttagag tgtgtcatga gtacgggtccc aaagtatga acaaccata 423540

tgccacttaa aggccaatat ttattatggc cagctttcta atttccttag tagtagcagc 423600

aataaatgat gtggatcttt tataacaaaa gtaacatatg gttgtaaaga ttttttttaa 423660

tttcagaaat gcaatgtttt ccgtaattat aatcctcaaa cagttaacag aaaaatatct 423720

ccatatatat ttatagatat aggtattttt aaacagaaat cagatcatc tatatggcaa 423780

cttgattctg ttgctagatc atatatattg gtttaccaga gtttaatcat tctgttagca 423840

tggacattta ttttgttttt gattttataa ctatcaacaa taaggcaatg aatatccttg 423900

atcacatata tggatcatga tataaatata ttaggataa atttctgaag tagaataaat 423960

taaaggatac aaacataaat tgtgaaagac attgaaattg tacttccaaa tggaataaac 424020

taacctatga tctttctatt acttacagaa actttttatt atattttatg tagtaaaatg 424080

tacaaattat ttaagtttt tggtttttat cacgtgtaga aacaagactc aaatgctcta 424140

aataaattca ctcatacctc cttctagtat gttatgactc agatttttat atggaaatct 424200

aaatgttatt aaacagaaaa gagcttaagg gtagatccta gaacatacag gaatttgaat 424260

atgatacaga gaggatttcg tttctgtggg gggaaagctg aattattagg taaagatgtg 424320

gggacaaagg ggtcgtctgt gctaccacca aaataaattc catatggatg aaagaataaa 424380

atgtgaaaaa caaagccata aaaattttta aagaaaatat gggagaatat ttttggtaac 424440

agaaaaaaa atggctttta agcagagaaa aatccttca aatagaatag aaaattataa 424500

ctgtaatgag ataatcatttt acatctattt gactgggaaa gataaaaaca gtttgataat 424560  
gctgtatttg tgaagatgtg gggaaacaca gtaatgctatc aaactttccg tctttgttag 424620  
gatgactgga acttgtacca cttatctgga aggagcccg gttttgtcta tcaaaatgta 424680  
aaatgtgagc gggcacaatg gtccaacgcc tgaatccca gcactttcgg aggccgaggc 424740  
gggtggatca cctgagggtc ggagttggag accagcctgg ccaacatggt gaaaccccat 424800  
ctctactaaa aatacaaaaa ttagccgggc gtggtggctt gtgcctgtaa tcccagctat 424860  
tcgggaggct gaggcaggag aatcgcttga acccaggagg cggagggtgt agtgagacga 424920

gattgcgcca ttgcactcca gccagtgtga caagagcaaa actccgtctc aaaaaaaaaa 424980  
aaagtaaagt aaaatgttct ttaatctagc aatcttactt ctagaagcta aacctacaga 425040  
tgtacaccac atgtaagcca gaatcgttta caaagagata tatttcaact tgaaaccccg 425100  
tctctactaa aaatacaaaa aattagctgg gcatggtggc aggccgctat agtcccagct 425160  
actcgggagg ctgaggcagg agaattggcg gaacccggca ggcagagctt gcagtgagcc 425220  
gagatcgcg cactgcactc cagcctgggc tacagagcaa gactccatct taaaaaaaaa 425280  
aaaaaaaggg aatagcaaaag acttggaat aacgtatatg ctcatgaaa agtgaggagt 425340

taaataaatt atgctacatc taagcaagag aatactacac agcctttcaa aagaactagg 425400  
ctcatctaaa gcatctgata acagaaataa aatacatatt atgaagttaa aaaatcaata 425460  
tactagatga gtaatatcct ttggaaaagg atatttaggt gtgtgtgtct gaaaagatac 425520  
acaagaaata actaggttcc tcaacaccgt aacctgaatg atacacatca tcccgcctt 425580  
tgctgtacc tagttgactg cttgagcctg ctgctaatac ttctaattta tactttattt 425640  
taatatTTTT taigtactc ccactcattt atttctttt taagactctt cttatttttg 425700  
aatggcactc ttccaaatga atttttaa atttttatca aattcctaaa agtatcctgt 425760

tggacatttg attagaatta tactggatag gctgggtgtg gtgggtcaca cctgtaatcc 425820  
cagcaatttg ggaggccaag gagggaggat tgcttgagcc caggagttag agactaatct 425880  
gggcaacata gcaagacccc tctctacaaa acttttttaa aaaattagct gggcatggtg 425940  
gtgtgcacct gtagtcctag ctacttggga ggctgaggca ggaggatagc ttgagcatag 426000  
gaggttgagg ctgcagttag ctgtgaccac actactacac tccagcctgg gtaacagagc 426060  
aagaccgtgt ctcaaaaaaa aacaacaata aaaaacccaa aaaattatac tggatatata 426120  
acttactttt aaaagataat tatacattct ttcaaccttg gtatttaatt taaaagaaga 426180

ttgctttttt atttcaaaaa ttgttatttc tcataagtct gtcatgattc taaaattttt 426240  
tttagagaag ggatcttgct gtgttgccca agctagcatg cagtggctaa tcataggcac 426300  
aatcatagtc cactacaaat tatacattt ttaaagtatg tcttataact ttgtttata 426360

ttttacatta tgiatgtatt ttttttttt aaataaagat ggggtcttgc tatgttacct 426420  
aggctggtct tgaattccca ggctcaaaca gccctcctgc ctggcccttc taaagtgcta 426480  
ggattacagg cgtgagccac catgcccagc cagttttata aattttttt agtgtttatt 426540  
tttagctact taaatttctg tggctactgt aagtgggatg gattcttttt atattgtatt 426600

ttcaaattgg ttatgataat acatgagaaa gctcttgatt ttcatatgtt tttttattat 426660  
tattattatt gttatttttg agacaggatc tcactctgtt gcccaggctg tagtgcagtg 426720  
gtgggatcat ggctcacttc agcctcgaca tcttgccctc aagcaatcct cccacctcag 426780  
cctccagagt acctgggact acaggtgcat cccaccatgc ttggctaact tttttattgt 426840  
ttgtagagaa agggtttcac catgttgccc agactggtat tgaactcctg gactcaagtg 426900  
atctgtccac ttcagcctcc cagagtgttg gcattacagg cataagccac tgtgccccac 426960  
ccccgtatg ttaattttat aactagtatt ctttaattat cttttattgc ctctaaaagc 427020

ttttcagttg atgcttttga gttttcata tttttgcaa caaatgacaa cctgactta 427080  
tttacagtac ttaatttctt atttctattt tatatcta tgcattggct atcgtttcta 427140  
ttgttacaat gtgatggga acattcttgc ctgtacttg acttcaatag gaataattat 427200  
gatgttatgt tataaaggaa gtggctggct ttagtataac atatataat atttaaatta 427260  
ttacaaattc taatttttat tgggaatgat gctggacttt acaaaatcct tttcagcatc 427320  
aactgagatc ctcataatgt tttctctt tgacttacta atataatcaa gcataatgaga 427380  
aaattttctg ttattgaact attgccataa ctatacat gaaataattt ctcttaattt 427440

tgttatatta ttgtaatgt agtgcgtggg tccatttggt agtatgact tttacattat 427500  
atccaaaagg aatttaacct gtagatttcc ctgtgtgtta ctttttaaca gattgtattt 427560  
taaaaccagt ctttcagctc atccaaaaca gagggattac tggtgaaaat gccttgaggg 427620  
caaccacctg aaatggcctt aataaaaaaa aaaacacgaa gaagaaaaag aaaaggaaaa 427680  
aagctaaca cactgtgggt tgtctacttt tgcggaaatt tacaacacta tacttgctat 427740  
accttcttct tgatgtgaat ccacaagcta ttgcagccat taattaagga tattgctttt 427800  
ctttccaata aatacatgaa ctttctttca gaggcaaaca gagacagatg tttcatgaaa 427860

gtttctgttc ttcccaacct gcctttccta cctccctgat agatgatcca gaacatttaa 427920  
aatggggga agaactgaga aaagggtcc aatcatccac ttgtgtttcc catccaagga 427980  
gcctggcctg ttatttactt tcaccactta tcctgctgc tgctgtttag tttttgtgt 428040  
tcccctcaac tgactttcct catctttgct gcattcatca aagcccagt taaattcccc 428100  
ctttccataa actgaggaat ccagccatt ttacatagca aactttctct tagctgctac 428160  
ctactcaaag ttggctgca cattttagct ataattgttc tcaaattgtt tcaagagtgc 428220

tagttttctt tcttaggctc caggttagct ccttgggagc ggggacttag cttaaaatcc 428280

tgctgtgtat tttccgttgt gtttagccct atgagtaatc acattcaatg catacttgta 428340

aggcatatct gactgaagat atctatcata gttattcatt tagtaaatga tataatgaaa 428400

actcaagtgc tcgccaaga taaatcatta ctattaattc cctcattcat catacatgta 428460

tggcagcctc aggggctagg gaacctagga ttgctgcttt gacttttttt ggggaagcca 428520

aataagcctc agatctctcc actttggagc cagccatgaa attcagattt acctagggct 428580

caacattaag ggctcagac taaatttatc ttcaggtacc cttccagag tggaccagtt 428640

taccttatac ctctgagaat aacccaaaac tttcaaaact caaatcacag gatattatct 428700

gttcatgaat tcagcaagac tctcttggtt aactattgaa actcaaatat ttcggcttgc 428760

agcaaggagg ggtacagctg tctggatata ccttggccaa atttcagtgt atataaaaa 428820

gtgggaggtt atcgactatg ttaaaccctt tctttaaatt ttcaaaactc gggattatct 428880

tagtctcata gataaaataa caaggcaagt atttacaac tttttcaaa aatatgagaa 428940

tttcagtttt ccctagggca tttggcgttg tgctgtcacc acacttttga agatagcttt 429000

acaacgttgg gaaaactcac cgggcttttt tcgttgaccc cgccatttct aagttgctat 429060

attgtctcaa ggagctggca aagccatgct ctctctctcc cccattctcc tcttccttc 429120

aaagacaaaa gcgccccgtg agaatataga aacaaggctg agaggcagcg aagagtaagg 429180

gaggagccag cacttacga ttttcactc tctctctcac tccctagggt catagttttg 429240

attctgaagt tagaagtgtg ggggtcgtcg gctgcatttt caacttggcc taaaagttgg 429300

agttcaccac actgcaggcg ctaggaactc tgccgctcgg tcaccaacct gagcctctgg 429360

ctagtccgaa gaacgcgaaa agccaggccc aaggcactgg ttgtcatggc aaccggggcg 429420

ctggtctccc tggcgacctc gtccctaggg aggaggtgga gctggatgcc aggcgggcca 429480

atgaggtcga ggggagctcg ggggtggaga tctgcggtcc tcccagtgcc ggggaatggt 429540

tgagtgcag gaccgggggg gcggagccgg cgcggtgcc cgaggtggag ccccagtgg 429600

gcgagttagt ccagcgcca cgctgaggcg agggtgacac accatgctca cggcccttg 429660

agaccgtcgt gctggcgagc cgtgctccgt agtccccgg tccgcctcgg cagcggtcag 429720

agtcgcctac aggagttgag cgcgccgcgc cagaaggttt tggcgaagct cttggagagg 429780

cgtcgagcac agtagggcg gggtgggtgcg ttgagcgtc gggggtcagg cagtcggccg 429840

ggatcggcg tggggagcgt ttccaggcg agggaggagga ggaggagatg ctgctcctct 429900

tctccccctc cccaggtctc ttctacagct cttcagccc acgcccgcag ccgcttgtgg 429960

gagaagtggg ggtggctctc ggccccgcg gcggctgccg gcggccgcc ccgacgccg 430020  
 gtccttcgag ccttcgcccc gcgtccagc agcaggaccc ggtctcggga ccagccgga 430080  
 aggacgagag ccgccctggg ctctgcgctg catgtgcaga agtgcaaac aaagtacatt 430140  
 gcgctcgctt tcttcctcct ctctctgctt tcgctccagt ccctaaaccc aactcctcgg 430200  
 ttgccctggg agaaggaact tttctttggg ttgggtggg ggtgtttttg tacgttagag 430260  
 tgggggtggg gtgactggag tggggaagaa tgagatgaaa ctccattgct aattaggtag 430320  
 atccatctcc tctgcggaag aaagccggat tctcggaat gaaaccaca gggggagtaa 430380

gagattgtgg ggtaataggg agtgacattg cccgctcgtg cttgcacagc tccgctctgt 430440  
 gcgtgcttaa gggaagggt cccggagtct gtttctaatt tctgcaaatg attgtggaga 430500  
 tgggtgtggt agaggccgcc cagaagaatg tgtgtgaag ggctcgagaa gggggtggga 430560  
 tggcggggaa gcagaggaag agggggcaga gggagagaca ctgtctgatg caaggtcttt 430620  
 tattgtttt ctctgcttg ctaaagttaa cactctacc tccggcccc tagccccacc 430680  
 gctttgctca ttacgtgata ctgtaagagc agacagctgg gaagctaaag ttaaaccaaa 430740  
 gtcaagaaaa ttcttataaa gtttaatttc ctctgttgt gaataaatg gagagaggag 430800

gatggggaga aatatcacta agagatttac agcaatacag ttttcattgg ccatacacgt 430860  
 atatgatcg 430869

<210> 7

<211> 122009

<212> DNA

<213> Homo sapiens

<400> 7

caggattgag ggaaggcagc cttaccctgc ccacaagcac ggggtcagc ccggtgtact 60  
 cctctatcac gaagaactgg ttccagaccc agccacgctt ggagcgctgt agcacctgcc 120  
 cctccttgcc ctctcatgg tgcccatgga aggaggccg caggtgcccc cgccgctctg 180  
 gggcaaaggc atggctgtgg cacagcatgc ccaggcacac caggcggtgt tgtaaacagt 240

agttctctt catTTTTTgtg tacgtggtag gcacaggaga atgcagctgt cacccttcc 300  
 accaactgta cgggtgtctt gctgagggtg gcctcccga cgcgtcacgc agacctctt 360  
 tgggatggaa tgctctgct ggttgagctc atcacgtcag ggctgccac gtccccagtt 420  
 agcttctgca agcagagaga ggttgattt actgcaggcc aaatccccac ttcatttcca 480  
 ttcctttcag taagccttca ggactgggca tgagtttata acgtgggagc tacgggcttt 540  
 ggggaagctc actgactgct ttgagctcag cttgctcatt tatgaagtgg ggataagagt 600

gtaccagta caaagctgtc actgggattc actgagtaat gcatataagt ctcttagcac 660

aatgcctggg acatagtaag cactccatat ttatctgtta taattgatca aaattgtgct 720

tagatatgat tttgtaataa gaaaacgggg aattaaagga gtccagatga ggaacatata 780

atccacactg gggttcagtt tagggagagg acagatggct ggactcaatc ctttagtgag 840

gttgctgtaa taagaaagga gagtgtggga ttccatgcag aaggaacatc acatccaaaa 900

gcacagtgtg ctccaagatg ttcagcatgc ctggaggtag taacgaagaa ggcgggcagg 960

caatggatcc tgttagggaa gggatgtagg ggaagatccc aagaacatc tgatggttac 1020

tgaaatattt acaggagaaa taatggatta aggtctcttt ggtaaatcag ttaagggtat 1080

agtgtcaatt caaggaggaa gatttgcttt tgtctggcaa agatccatcc acgaagccaa 1140

agatcctacc ttgcttagcc tggaagtctc agaaaggata tttacaagc tttcactaac 1200

taggagaagg aaaaataaac aaaacagtat atccaaccaa ccagcccaag gtcattgtcc 1260

cagcaccag ccatgactca gctactcaac accagtgagg ataagccagt aatgcctttc 1320

acctttctac actcctcaca ggtttctgag ccacagtcac tcttgctctc tctccagcac 1380

tctggttctt attgccaagc cttaacttct gccttgggtt ctggacttct tcattggact 1440

ttctcatgct gaaaacttat tcttctctaa ggaattcccc ttgcttgctc tctctctta 1500

gaaccataca tttgttttct ggagaatcac ctctctctc tggagtgcc cccagactcc 1560

agagagagaa tcagatgagt tcaccaccaa tgtgaggga tctgagaaag tctttgtgca 1620

ggagatgat acattgatat tgaggataac attctgtttc agcacctggg tctaatgaa 1680

actggaaaac ttactgagca ttgtaggaat cactgtcacc acctaatctt ttgttgtctt 1740

ctttgggtga aatggttcag ggaagaagg agcaagaagg aaacagcatg aatcttggca 1800

tagtggaagg tacatagact tggagatcag atgcatctgg atcagaatac cacttccata 1860

ttttacaatc tgggttactc tgggcattgc aatcaatcac tctgaacctc catgttttca 1920

tgtgaataat gaggatgaca agaattgttg caccataca ggctgaaca cagagtggg 1980

aactggacat gcaataggtt ccttcttctt tcccagagt gtcacaacat aggggaagat 2040

ctcaagaaac cactgatggt tactgaaata ttacaggaa aaataatggg tcaaggtctg 2100

atatggttta gctgtgtccc caccaaatc tcatttgaa ttcaacatgt gttgtgggag 2160

ggaccacg cgaggcaatt gaatcatggt tgcaggctct tgccatgctg ttctcatgat 2220

agtaataag tctcaggaga tctgacaggt ttataaagg gagtttcct gcacaagctc 2280

tctctctttt cctgctgcca tccacgtaag atatgacttg ctctctctg ctttcaacta 2340

taattgtgag gcttccccag ccatgtggaa ctctaagggt acccatgcct tgaacatgga	2400
gatgccccca agagggatgat gaggtgcttt ctccaagatg cgaattgaga acaataaagt	2460
tacttgggat accatagcca tctgacctca gcaacctaga aaataaaaga attggtgaaa	2520
ttataatttg tagatacaga tccattccat ttgatgaac ttgactttg ccatcccaag	2580
tctttctgtt tcctttgtaa tctggcaaag tggatcttgg gaggccacag atgtgcagtt	2640
aaagcctggt gactgtcact tttctcaata acactttggg atggtattat gttagtcttt	2700
attcaaggaa taggggactt gaaactctta atattggttg taaacagaca ctttgggata	2760
tgtaaaaggc tacgtgggag agagagaaag atggaaaagg cagcgtcatc atttaacaac	2820
ttcatcctta cattcaggca ctttaataat acatcagatg ctgtttctag aaagccaaac	2880
cgactgtttg gaaagagcac aaagaaggcc ccagaggacg ggtagatgc taaaatgagg	2940
ctgtatgaaa caacagaaag atttctgagc agaagtcacg aaactcaaga ttggtggag	3000
aatctggcac taatttgcca tggaacttca ttgattctac tcgcagaggt tctgtctcac	3060
tctgtaaact gaagcctgtg taaaattttc ttcaagtggc ttcatttca tgattagagt	3120
ttcagtgagc tagtgagggg catttcttct gattcatacc ttgtctctt actagactgg	3180
aaacttctga atggatggga ttatatctta ttcacattta tatgtctgac acctgaacac	3240
aaagcaggcc gtcaatacaa ttttaataata tgatttgaat ctcacatttc aactctaaac	3300
ttgacattgt ctctgtggaa actcaagaag aagaaagaaa gaaaaagaaa acagcatatg	3360
gtgaggcaag atccttgccc atcttgcacc atgccaagta ttaaatgctc attcacagag	3420
tgataaatta ttcttgcata taagccatga agtgtattag aaagaaaggg tttaattaaa	3480
gttgatattt cttcaccttt ttcttctggc tgccattttg ctgcaaagca caattatttc	3540
taacactaga agtgttgaaa caagatgaca acttttttct ttataaaaa atgtctagct	3600
taatactaata gaatttaaga gtttccacat gatcaataaa caataacatt caatctgtta	3660
aaaagggtgaa attatctctt ttcttctttt ggaaagaata ctgaatcaat ttgcttttaa	3720
gagcaatggt ccaccatttt aaatgcttat atgactatat gtgatacaga aagttatttt	3780
aatggttaat cttaggtatg tataagactg attttaagac ataatttaaa aaaaagattc	3840
actttcagaa tgaaaattta ttagcaagi tcttttctt agctactgtt ctaaaagctt	3900
tacaaatagt aactcatcta ttaatttcta taacaacctt atgaatagga gccatgaata	3960
ttcttctctt aaaggatgag gaaactgagt tccagacaca ttaacaact tatgcagact	4020
tacgcttcta gtaaatacca gacctgagat ttgaacccat ggcttcaggc cctagaatcc	4080
atgttcttaa ccagtaaaca atcacaactc ttgccatttg ttgagtttg aagttcataa	4140
ggaaattata cggacgttgt gataaaaagc agttacctag aagccagcta aatgtgggaa	4200

gtaaattact attggaactc agtgtatact aataacagga ctagaatgaa aataactaata 4260  
tagttaaaat ttaccgggtg ttatccgcct aacattcttg gacatgtttt ccatgagttg 4320  
agtcatacaa tcttcacaaa aaccctaaaa cgtagcatta ttgctattcc cattttacag 4380  
gcaagtagtc tgaggcacat caaaattaag taatttgtcc aaggttacag agccagcaag 4440

taaaggacct gggattgaac tctgaatgtt tggtttgagg acttgattc ctacctcta 4500  
caattttacc taagagaagg ctgcaggtca aatttaggca cactaataca aatacacaca 4560  
atagccttaa catgatgata atttaaattt tggtagcatg gagaagtaga ctataataaa 4620  
aaaaaattat ccaaaccaaa aagaaagaaa aagcatttta tatcaatgac caaagtgaag 4680  
atgaacaaga ggtaattaca tcagtcctac aataaccatc aataacatag tataaccagg 4740  
tctttaaaca acatatgaca caaaatttga tctttggttt ttattttaaa tacctgtttc 4800  
agaatttcta aatgtgtagg ttacaaaagt gtattcagag ttgtttcagt tttttgtttt 4860

gttttgtttt gttttatgaa atatttctag aattgagaga actgattgat gtattcagtg 4920  
gtagggactt agtaggaatc tcccatgaaa attaatagga ggctgccctc ctaaggagac 4980  
cttgatgttg gtaataatta gggaaatata tcaatgttct aattggtttt aataaagacc 5040  
cccaaggtag ttcttgaaca atccattaaa acacttttta gcaglatgcc aggatgccta 5100  
agcattggga ttctactaaa acatatagga ggactttatt ttatgatggg agcatattgc 5160  
ttggagggaa aaataaatgt tgttgaaagt cacagcagta ataacatgac aggaaaatag 5220  
atgtgcaaag ccaccagctc gaaagggaag gatcacccct ctatcttgag agcagatagc 5280

ccgtcagaag ccaccgtgcc ttgagcataa aactctcttg ctgtgcctgc ttttgtctcc 5340  
gttaaagaaa atgacatata cgggtgttta agtatatttg gactcctgct ggaaattgtt 5400  
attgggtgga gaatgaaaga cgaaagcgtc tagcagaaag caagcagatt tggtttttca 5460  
gctgtccctt cccacagag ctggaaggat cagacaggct gacctgtttt ttcatttcca 5520  
ggtagcta attatagttag agacaggtta ttattacatt aagaatatta ccacggccca 5580  
caccagagct caaaaccca ttctgtatct gcaaagtccc cttgttggtg agctaagggg 5640  
ctctggtatc ctttcaaca aacacagctt tgtaaccaat ccaattctat tatgcaaatt 5700

aattcaagca tattttattc cccgttcaga tctcatcact cagcactgag ctggtctctc 5760  
atttcacatc aaatcacagg aattatgcca tgtctgtgga aatcacagag aataggggag 5820  
aagaagtatt acaagaatta ttgagtcaca cttctcaata attcttctcc cctgatttct 5880  
agacttggag caaggcataa gcttggggta atcacttctt ctcaggtgca aagtacacag 5940  
cagagactgc aaaaaggtta tggatatatg tctccaatt tctaatacca aattcaaatg 6000  
ttaaagtagg cagcaataa ggccccttat caaagacccc agcgctctgc aaagtgagt 6060

ggaaatttta aaactgcttc agtggagatc tgagtctctg cttctggaga aatagagaat 6120  
  
 gacagaagtt ctgctttgaa agtggaaaga tcattcacta cctatgtgtc aggttcaaat 6180  
 cctggttcca tcaactcatga ttacatttaa attgtcataa aagtagatac tatccttggc 6240  
 caggtgcttg atttttctag tgctggacag tatgtcagg gcttgggtaca tattatttta 6300  
 ttgcattttc accacaactg catatatatg tgtgacatat atatatatat gtgtttatat 6360  
 atatatatat acacacacat atgtatatgt atatatatgt gtatatatat acacacatat 6420  
 gtatatgtat atatgtatat atatcatgtg tatatatgta tatatacaca cacatatatt 6480  
 ttatatatat atatatatat acacacacac acacacatat atcactcaga ctttatctag 6540  
  
 gaggaagtg aggccttagtg tccttatgia acccacccaa gtacaccctg aatcattgac 6600  
 aatgttgtaa ttctaagca agtttacagg actgcagaag ccaggcttga ctttggacta 6660  
 ttttaactgg ctatcaatgt ctgaaagtcc aggtccccaa tcttgaatac aagaagattg 6720  
 catgaccaac tccaaggatc atctcagctt caaaaattgt atttgttata caaaataatc 6780  
 tttgttagat gtgacttcca cttatTTTTT aagtaaatac aatcagactt tacattctta 6840  
 ggggtctcatg gccacaaaat attacaggaa tccaatgtaa ggccccagac ctaaaacttg 6900  
 tatagtcatt cagtgattat ttatctcttt aagtaactaa atcatcttca aatgataaca 6960  
  
 tgattaagta caatgtgtgc aatgaagaac ttattatttg tactctatc tgccttaag 7020  
 acagcctttt tattgggtga atatttttaa atgttgatca ttaagatgaa taacatatat 7080  
 caacacataa aggaaataac gctatctgca gtgtcatctc tgactatgaa taaatactct 7140  
 atatgaatgt gtggaaagag aaatagattt tattttcatt tgttcttttg tatgagctaa 7200  
 gatactgag ggaagattag agcaaagtgg tgatgataaa ctgatgctta acataatgta 7260  
 atgtcatttg tggatataaa ggcctgtatg taaacctccc tttgtctcca agcagtaaat 7320  
 atgcatcaag ctttttttat ttgtctgttc cttcacttgg taataacttt tcaatggctc 7380  
  
 taggcctagg ttgaactctg aggatacaca ggcatcaata tacctccaat atgtagactg 7440  
 ttctcaaaca atactgagac tgttgtctaa gcagatgagt gatggtatga tgtgttcagt 7500  
 acagatagga ctatgtacaa gagcacaaag gaatcaatga ctacacttct acagacaaat 7560  
 ttgtaaagta tcggtcctgt atttcaatac ttgcctagtc aaacctcttg taaataaact 7620  
 tccatatcca caacttccaa tgectggagc ttccattccc actttgggcc atggctcatt 7680  
 aaacaacacc cagttcagtg acaactaaat cataaaccaa ccattgattg tttcagccta 7740  
 gttcaaacg aggaggtggg tgaatcagat ttctttggga acttcaatga aagaaaacaa 7800

gaaccttctg cagttagtga gggaactaaa ataggaaggt tacaaggcac ttgagaaatg 7860  
 gagtagctac caagtacat ctcatgacta atgtttcaat gaaatcaagg cttagagcaa 7920  
 accagtcaca aattaaagag aaacaaatgt gacctctgtc tctgagtcac ttaaatagca 7980  
 gaacacaagg catctgaaga tcttggcaat taaggactct ctgagcagct gtcttcatgg 8040  
 agcccacct actgatctgt tctgaattt ctgtgagatc acttgcaatg ctcttgaatg 8100  
 acagcaagct tctgtatgt aaactcactt gagtgatttc tttgtttatc aaaacagcaa 8160  
 acctagtatc aagaggaaaa aagtttgggtg attcttctag tcaaagctaa aataatgtag 8220  
  
 ctgtatgaat cacttgttca gatatagaca atgccttctt ctctgaattt ctaagaagac 8280  
 tgagacaaga aaaataactc tagaccacaaa gtcaagattc tagtgatcta gcttaggttc 8340  
 tgctattgaa ccatagtgc aacttagaaa aaatactttt ccctgtgtgt tgactaagta 8400  
 tctcttctta taaaatagga ggttggaaat agcctataaa tgggtctcca tgcatactg 8460  
 caggggcttg tgagtctgtg ctgagaataa gtgactttgc ctgacggat gttttcatct 8520  
 cattttgaag gtctaggtcc tagctggcag ggatgctctg tatacaactt gagggcccag 8580  
 tgacctacag catcatggga atcgtgcctt ctggggctag acaatgcaga ggccctgcta 8640  
  
 ctgtgacagg tctttagatt ccagtattag gaatcaggac tttactggat ggacaatggg 8700  
 aatccactcg gaatttctag tgggggttga caggagccga gctgtcagag gtgtgcagga 8760  
 gaaatggagg taaggagtgt cagctcttac aaaacagtta agaggatggg ctgaggaatc 8820  
 agaaggagtt ggaaggttag agctcaagag ttacaactca ctacactaga ggtggaaatc 8880  
 agcctctgca agtctccaca ctgccctgtt aaaaatggga aaaaccagc cgggcgcagt 8940  
 ggctcacacc tgtaatccag cactttggaa ggctgagggtg ggaagatcac agggtcagga 9000  
 gtttgagacc agactggcca acatggtgaa acccagtttc tactaaaaa atatacaaaa 9060  
  
 attagcctgg catggtggcg tgtgcctgta atcccagcta ctggggaggc tgaggcagaa 9120  
 gaattgcttg aaccaggag gtggagggtg cagttagcta agatcgacc actgcacttc 9180  
 agcctgggca acagagcaag actccatctc aaaaaaaaa agaaagaaaa agggaaaaac 9240  
 cctaggacca gtctcaaagg gagagtcca agagaaaaag agacaatgtg tgtactttgt 9300  
 acagtacctg tcatatggta atcattcaca aaatataaag tctatgaagg cggggacctt 9360  
 ttctttgtct ctactgctg taacacagaa catggcctgg tccacagcag gtaattaaga 9420  
 agatgagtta agagttttgt ttattcaaca agaatgcgta aatacatatt ttaaccctg 9480  
  
 gataccatgc tctaatacaa taaagaataa gcctcacgaa ggggctctag gagtccactg 9540  
 tctattaagg agaacaaga aaccaataat acaatagaga ttgctaaatg caataatagg 9600  
 tatatgtgag gagatgagat aaagtagacc aggtcgttc aatagaaaca taatgtcagt 9660

cacgtgtaat tttaaatttt ctagaagcca tatattttaa agttcaaaaa atcagtgaaac 9720  
 ttaattttta caatgtattt tatttaaccc agcatgcccc aaaatcgtat cattttaaca 9780  
 tggaatcaat atatacatc tcaagatatt ttatatTTTT ttgtcctaag ccttcaaaac 9840  
 cgaatgtaca ttttatattt aaaggaccct tctgttggga ctaggccacat tgcaagagct 9900

tactggccac gtggggctag tggccacat ctaggcagca caggcatagg ggattcttaa 9960  
 agtttcttga gagaggaggg tgtgtagtca aggaagactt tctggaggca ttgcaatagt 10020  
 tcaggtgaga ggtaatatgg ttccaaacca gaaaaataa ggcttgagtt gagaaaaagg 10080  
 ggccattctt gaaacgacgc agatgtagac ggttttagga actgaaaaga ttaggttaga 10140  
 gaatgaagca gcagtgaggg gagagtttga agacagtggg gctattcctg gccttaacag 10200  
 gagaagaggc tgittgagga ataaagagca ttgggtttta aacaattttt tttttgaga 10260  
 tggagtttcg ctctttttgg ccaggctgga gtgcaatggc acgatctcag ctacacagca 10320

ctccacctc ctgggttcaa gtgattctcc tgcctcagcc tctgagatt acaggcatag 10380  
 gccaccatgc ctggctaatt tattattatt attattatta ttattattat tattattgag 10440  
 agactgggtt tctccatgtt ggtcaggctg ctctcgaact cttagcctca ggtcatccac 10500  
 ccgcctcgcc ctcccagagt gcttgattta caactgtgag ccactgcgcc tggcctaaaa 10560  
 cattttaagc tttcagaaac agtggaaga tgtacagggg aaaagttag agtagaatta 10620  
 gctaccaatg ttcttgcaag agtaagtaat atcaattcta ccatttctt tcaagtttgg 10680  
 agattttgct gtattattaa attctagaat ctgagattg aatgacactc tagagacatt 10740

gagctattag tcttttaatt caatagacca atgggaaaac tgagatacag agatgataac 10800  
 taacttattc aaaataaaat aaagagtga aaaaaaaca aaaccagaa cctaaactct 10860  
 tcattttata gaaaaaagc agagagggca ggggaagcat caagaggaaa aagataattt 10920  
 ttgtagcatc taccttgccc tctcttccct gatttaaaaa cagtcccccc tttaactat 10980  
 ttctatggaa acaaccagtc caggttctat aagggggaaa aataaagcac tcataagtaa 11040  
 tgacctgaga gagctcttta aagatttgca gtggagaact gaactaagaa taacaatctg 11100  
 catattctcc ctggaatcta atgtctgca gagaaccact ccccatagtc tgttttgtaa 11160

ggtataaaca atgagaggag gaattgtccc taggtggcct taataacaga caagggttg 11220  
 atgtgtctt ttgaaataat tgctaaagcc agggaagagt gccttaaatc accactgcc 11280  
 agagccttta gaattctgag aaatccatcc tgtgccata atccaccagg gtcccatgt 11340  
 atccatccag cttaatcaga gtatgtggat ggaagccact gaacatgcag aaagtcaagc 11400  
 tgcttccaat gatcagaac ttgactttca ccagcatgtg ggtgggctgt tctgaaggac 11460  
 ttctttctaa tgiacctcac caaaccactc catcacacta agattagact aaactctgcc 11520

acatttttaa atggcttttt cgtatatcia tatataccac agagtgttcc caccctctt 11580

cattttaaga aagcagacat caacaatagc ctcataatga tctcattgtt gtttcaaata 11640

atccaatctt tgaacctat ttctttcttt tcagatgtat tagtgtctt tatcaaaagt 11700

aatgggattt tttttaagt taagggtaaa agaaaagtaa tgggatacag caaactagtc 11760

aagtgccttag tacaacgca gagcattttc tgaagcatat gtggaacact tcttagacag 11820

gcaggacttt caaaggcaat attaatgtc ttttgtgggt ctcagataat atagctcact 11880

taattagatt ttccataatt ccaggtaatc ctattgtgaa attacagatg tgaattttga 11940

cttgccgtgac agaaatatct attgtctcaa atgcatttct ggaaaaagaa ttctttattt 12000

ttaaatacatt accagaattt tcacagggca aaacccaaaa atggggttca gcctgggagg 12060

ccacatgggt tcttggcttc acacaggaag gaattcaaga gcaatcccag acagtaaagt 12120

gaaagtaagc ttattaagaa gtaaatgaat caaacagtgg ctactccata gacagagtag 12180

cagcatgggc tgcttgacta agtacacaaa tggttatttc ttgattatat gctaaacaaa 12240

gggggtatca ttcataagtt ttccaggaaa gggctaagga gttcccagaa ctgagggtta 12300

ttcccttta tagaccatat agggtagctt ccagatgttc ccatggcatt tgtaaactgt 12360

tgtggcactg ctgggagtgt ctttaagcag aggaatgcat tataattagc aaataatgag 12420

caatgaggat gatcagaggt ctctttcatt gccatcttgg ttttgggtga ctttggccag 12480

cttctttact gcctctccct ttatcagtag ggtctttgtg atctgtatct tgtgaaatca 12540

gtcctgctaa cctcctatct catcctgtag tgaagaatgc ctaacctcct ggcaatgcag 12600

cctaccatat ctattctca ttttacctag ccctactca agatggagtc actctggttt 12660

gaatgcctct gacatatttc ctccatcctt ttgcaaggg aacgcttgca acctagggtt 12720

tgtagaggga tgaagatcca tctttcataa cttcttcagg ctgaatagaa gcaatgatat 12780

tcctgcctaa ctattagggt ctcttttatt cagagtagag agtagctcag tcagtgtcag 12840

tatggtgagg gccactcata actgaatctt gtaaaaaatg gaaatctgaa agattaacaa 12900

gtgctcaata taagaaaatg ttgagtaagt gtaccctgta ttcttacaca atgaggacga 12960

cagcagtatt ttccacaaca gtaaagcaaa ataaaattat cccaagtaaa ctaaaataaga 13020

aggctttcca tgaactggac acttgtaga actaagttaa tatggagtag tcagttgatt 13080

ccaatatgtg ccagaatta gaatactcaa ctgatatgt atgttaccta ttcttctgt 13140

ttcttctgat cagcagccag agatcactag ttgggtcaca aaaataagca gtcaatctaa 13200

attgcagaaa aaatctcaa aacaatagac cagaccagaa gctaattaca gatgtactat 13260

agtttttgaa acaatttttc tctctgggtcc ccatttttat taaaaacaaa tcatggtaga 13320  
 actgatttgc ttgcaaaata agtttttagcc ttactatact tggcctgatt ttctatataa 13380  
 agtgcagaaa gaataattat ttgccatata ggcccatttt taaaattggc ttgatggaa 13440  
 ctttgttcag taaggaatct tagattagac tttttaaaagc ctttaagctca gtcatagaatt 13500  
 tatctgtgcc tgcaagtact tgaatgagtt tggtgactcc ttctccactc aagaacccaa 13560  
 gataacttgg ggcttctggc cctgtcagaa agtgacaatc ttacttttcc acaggttagg 13620  
 aacctgtgc agggactcca tagagaaggt atgaggccaa ttttccaag tggcttttat 13680  
  
 tggctctata agtcaacttt gattccttaa agcagtcctgt ttgaatctga aagcacatca 13740  
 ttttagtcaa agccttggaa aaataaagag tttcttcaat tttgtctggc tacaaaaaaa 13800  
 ttttaaaaaa aacagactct cactgcactt atggaaataa ctatattgcc ataaggttaag 13860  
 aatactcaca tagtttccaa attctgaaga aataggggag agagaaagaa acgtgctcca 13920  
 aattttgctc acagtagtat acttttctca attgctagaa gctgtaaata actcaaaaga 13980  
 aaaacatttt attgactctg aaataaaaaa cagaaaggat cagcaatggt ttaagcaaaa 14040  
 agtcataaag agattacttc agccttttat tagttcagtc tatgcaatta attcctgttt 14100  
  
 tgctcaatat ttatgaacac agttttccaa gagtgctttg gcaglatggt tcctctctat 14160  
 tttaatggta cactttccca aattatcaga gacgtgcatt taaaactact catcaaaatc 14220  
 ctgtatctga ctataaacca tcttttgaag aggatgaaag caacacacca ttgtctgtgg 14280  
 aggacaaaaa gtcttacagc agccgcagtc aaagatgcaa ttgacaagga aatccagtta 14340  
 cctctgtggc acacagcaat ttaacataac agttatgggt attattgttc acattcacta 14400  
 attcatgtca aaattatagg agtttcacat aatttggaaa cacatacaga taacacattt 14460  
 atacaataa aacccaaaga aagccaaaca ccattttata ttgacaatg tttcctctat 14520  
  
 gattttaata taccaagaac ccaaatatgt catttttgga ctttaggaga cttagtattt 14580  
 aaaaagatta ataggataag aaaacaattt acaatttgat ttggcaagt ttgtcaaata 14640  
 tcaaagggtg gaaacatttg agaatttaag acagaactcc aggttgccat aatcattta 14700  
 tttatctaaa acaataactc aaaatttcaa aaatgcaata acttattcat tgataaagtg 14760  
 gagacttaat ttccaacaa atctgtctcc ttctctcct ttcctttccc attgtttatt 14820  
 caaaagacaa acataagtct cttattatct tttaatatta catgaaaatc ttgttcaaga 14880  
 cagaaagcca aatttactt ttgcattagt gcatcgtaa cactaaagct aattttaaat 14940  
  
 ataattattat aaacacattt attcaagttt aattcgttg accataggta agatttcac 15000  
 aaacctttta taacacttat taatttctat taaggagcat attagtgttc caaaaagcct 15060  
 cattattctg acatatgggc ccagattttg tatcagtgtg cttttatttc aatatttaat 15120

ttatagaaat attgaataat atccttttaa ttttagtcaa tttgtcacac cacagaatta 15180  
 tttacaaggt taatttttta tgaaccttcc acaacttgct caagccttca gcttttagcct 15240  
 atctcactta aaacaattct ttaacctctt aaactaggcc aaaaaaaaaa aagtttccca 15300  
 tgccttatta taatctttta ccaaaaacac attctacttt ctttacacac ctgcatgta 15360  
  
 aaactcttcc ttcagtagtt tcaattatat atgttacaat gttactatt agcaactttt 15420  
 atttttggta aaaaacctgg taagttatgt taattatgta ccaggtgcag agcctagaac 15480  
 atcagataga agtacaata aggtatgact cttccagca aagccgggga catggctaac 15540  
 aacctatgtc catcagtagg ccttacatag aatctaattg ctccaaagca ggtaagtga 15600  
 gaaattatca aaagacaatg aagcagttaa tgtagtttag taaacatagt atctgacttg 15660  
 cctaatttag accaaatgta taaatgtata aattttgaag acatttttat tttaccagaa 15720  
 acttttttta ttaaacatag tctcactctg ttgccaggc tgaagtgcag tggcatgac 15780  
  
 tcagctcact gcaacctccg ccttctgggc tcaagcaatt gtcctgcctc agcctccaa 15840  
 gtagctggaa ttacaagagc acacaaccac acccagctaa tttttgtat ttttaataga 15900  
 tatggggttt caccatgttg gccaggctgg tcttgaactc ccgacctcaa gtgatccacc 15960  
 tgccttggct ctcaaagtg tgggattaca ggtgtgagcc atgatgccga gcccataa 16020  
 tctttaaaac tgtctttatt tctcaaaat tactaaagtc atatgaactg aaaggtatta 16080  
 taatttccat tttttccat aaagtatttg atttaactgc ttatttttct ttaagtcagt 16140  
 tagatctctt ttctataaat aacacacaca acaatacaa atagacagaa gaagatctag 16200  
  
 tagctgtaaa atttttcatt tgtcagtttt taggtttttc ttacttggac tactggttc 16260  
 aagatggaac cttttcagga acatggacag gaaagcatgc aatttctagg gcttaataag 16320  
 caggcacagt tggaaggcaa aacacaaaaa aatcaagaat tccatttttt tttttacca 16380  
 aatctggat ccccaaaaag ggaatcagcc catccccat tgaagtctta cccctcattg 16440  
 ggaggtgggg acatttttat accttctaga tgaccaagag catgcttctc tgatccaaa 16500  
 gtgcaaagag cagagtgtt ccccataact gccattagcc atcactgaaa gtatatccc 16560  
 tacatagtta ttacacacca aagctctctc ataatacaa gtaatttctg atacctgcaa 16620  
  
 aagtaaaaaa caccaggtaa ctgaatgcaa aacagaacag aggcttagat tttgggagga 16680  
 tctatccgtt ttcaattcct gggattccat aaggaaaata gaggtttttc ccagaatggg 16740  
 gtctctggca cticctctgt ttttccaag gacttctaga atgttagaaa ttaccttaca 16800  
 tcctctcata tgagtctcaa gagtgttaag aagacaaaag ggagaaaaac aattcagtca 16860  
 tctgagaaga aaaaagcttt tcttatttca gagaaacaag attcaagaag agaaaaacaa 16920  
 acataaaagc catttaata cacacacaca cacatatata tatatatata tattagtat 16980

ccatgttttaa ttaagctaac tctcaacaat agagctcttt aaaaaaaaaa aaaatccttt 17040

tagatctctt aataccagac tctaggcagg acaaatagcc aacacctctg gcttttaagc 17100

tacttttttt tgtagtttg tttttctgca aaagtatttt cccaagtaaa accaataagc 17160

cttaactaag gttatggctt aaccatggac ccatgagatg tctccaaata gatggcaagc 17220

agtttttaca agatctagaa tcacccttaa agtaactcag aaaaaaaaaa aaaaaaagaa 17280

agaaaattca aggcaggaaa tcaaaagctg tccatggagg ggtaaagttt aagtaaatgg 17340

caaaagtccc ataagagtca aacaggaaaa aactcattct ctaagacaaa aattgaatgc 17400

aggcctccat caagtaagag caaacittta ctcactaagc tacagtatga ggcaagcacc 17460

ataatgcttt tcccagaagg agtatagagc agacattttt gagcttgcaa aggatatatc 17520

ttttccaagg aaaagggaca gatataaatc tgagaaacct taaaaggaaa catatttttag 17580

aattgatagc caatatttct tgcaatctta ctgaaagaaa accaatftaa aaaaaaaaaa 17640

cttgttttta galagggaac caaaacttag tccaatagct ttactttgga actctaacca 17700

tgaaatagta acacaattca ctattttata aaagataggt ggatccaaat tatctctctg 17760

acaaaactgg gacttgtcca tgttgctaaa ctttgctaatt ctgaatttgc tccaattgct 17820

taaaatacac catagcagtg agtccttcag tattcaccat tgtcctcacg tttacaagg 17880

atctccacta aatagaagtt tttctgagtc tagcgaaagc ccagttttct tcccctgaaa 17940

attcccacct tcigttagcaa agtggttaaag ttacaataag taaagaaaat ggtgttacag 18000

aaaatgataa ctttaggaca taacaagaaa aggtaaggcc aagtttcacc ttgggtggac 18060

ctctaacca taatcctaga gggaatgcca attccaaact cctctgagta tcccaggtgg 18120

tgctaggaat cagccaacaa tatcaaatgc tgaaaaaac agagtacca agtactggcc 18180

agtgagggtc cccacagcaa acgtgaaaa tcccagagca tcggggggca gccaacagtg 18240

aaccccaaag gcacaagacc taacgcaatt ggggccacag aacaacatga ctctggtgtc 18300

ccagggtcaa cacaacagag gacctcatal agccaaatga ccttccttaa acaatggccc 18360

aaagagccaa agcaaagact acaaatgtga caaagaaata aggataagca tgcatttggg 18420

cattgagaga aaaaagtaaa atggtcagtc attggaaact aaagcaaaaa aggcctgaga 18480

gaaggggcaa caacaggggt tataaaggac ttggccagcc aggtgtgctt ctgcctgtcc 18540

aggactccca gaaaatggga gactgcatca ggctaccaag ccaaaggcct caaagccact 18600

tacccatctg tccaaaataa agaacatagg aaaggacaga tgtgcccata tcaaaggga 18660

ataaaagtag cgagttgaat ctggacaaag ggagactcac ccaccacca ttcaggtcta 18720

aatgggtgcc atgagtcttg atttgggtgc ccgatgggag tctacattgc ctcttcattg 18780  
gtggccagaa aagatgtcac aggggtgaatc ccaaaattga ggttcagccc gggaagccac 18840  
ctgggttctt ggcttcttgt aggaagaagt ttaagagcaa gtccacagag taaagtgaaa 18900  
gcaagtttat taagaaagta aagaaataaa agagtggcta ctccataggc agagcagtgg 18960  
catgggctac ttgactgagt atgtgtatgt tatttcttca ttttatgcta gacaaaggtt 19020  
ttctaggaaa ggggtgggga gtacctaaaa ctgagggttc caccctttt tagaccatat 19080  
atggtagctt tgggacattg ctatgccatt tglaaactgt catggcactg gtgggaatgt 19140

cttttagcat tggaatgcat tacaattagc aaataatgag cagtgaggat gaccagagtt 19200  
cgctttcatt gccgtcttgg ttttgatggg ttttggccag cttctttatt ccataccct 19260  
tcatcagcag ggtctttgtg aactgtatct tgtgaaacga gtcctacca atctcctgtt 19320  
tcatcctggg actaaggatg cctgaactcc tggggatgca gccagcagg tttcagactc 19380  
aggttacca atccattca aggtggagtc actctggttg gaatgcctct gacagaatca 19440  
ttacagcaag aagaccacg tgctctttcc tctctcaggt agaagtgaat attgcctttc 19500  
ctttggatga cactgtactt ttgtgaaatt tgataagggc actttctcag tactttacc 19560

ctggttatgt ctctgcttc ctcaggatat attaatgtcc ctgagattct ggacaacagc 19620  
taactcctca ctgaattcct tgtcacagga gtcaatagaa tataaagttg acatggtttc 19680  
tgccctcagg gagtctcaag atttagatta attttctctc aaactcagct gcacattaga 19740  
attaaccggg aaaccttaaa aattccatta cccaggcctt actctaaacc aatttaaac 19800  
caggaatcag ttttttgaa gttctctgtg tgattccatt gtacatcaa agtaataaac 19860  
cactggttta gagctacact atccaatagg gtagcaacta ggcatatgtg gcttttaaaa 19920  
tttaaatata atttaaaaag cagtcttca aagtactaat ccatttcaa attctccagg 19980

gccatttcaa tcattacaaa aagtcttatt agtcaatgtt ggtctcaggt actaaaaacc 20040  
ctcatctgaa gcataaaaca tctgttcaat gaatgacggt gtgcaaagaa tatagcgtg 20100  
ggcattcaaa gacctgccac taactcattg tgtaatgtcc agtaatctag ttttctgtc 20160  
tgtgaaatga aaagctgggt aacatgagtg gctctccaga caagatcttt ggaatatact 20220  
agaaaaccaa gggatcaggg aacacaatgc caggaagagc tgaaccaact ggctccacac 20280  
tccatagtaa atagaacaga tagctgaatt ccacacaatt tttctttgaa aagcagctct 20340  
gtgcattac aaaaaaagaa aaaatgaaac catgtctgat atcttgataa ccaacagact 20400

ccctgtctca gtccagcagc aggttagtga attctgctt cagtgtcat aatctcatgg 20460  
tacaggagg agggccctgc tcaggaggt gtgaggtcac tgacaactaa caactcactt 20520  
cccctctctg agtctctgtt tctttttatg aaaaaaaca caaatgatgc ctgacctccc 20580

tcattcctaa gtttaatttga aggtcgaatg agataacaaa tggggaaacc ctttgtaaaa 20640  
gcataatttg ggttacacag gtgggcagaa ggaatgatcaa atgctaacag cagtggcaac 20700  
ttacatttat ttgggtaggt ttttttcccc ctctttatga gacagagtct cgctctgctg 20760  
cccaggctgg agtgcagtgg cgcgatcttg gcttcactgc aacctctgct ccgcctcccc 20820

ggttcaaacg attctctgc ctcagcctcc tgagtagctg ggactaaagg cacccatcac 20880  
cacaccagc taatttttgt atttttaata gagacgatgt ttcacatat tggccagact 20940  
ggtcttgaac tctgatctt gtgatctacc caccttggcc tcccaaagtg ctgggatgat 21000  
aggcatgagc taccacacct ggctgggtga tttttaaaagt tctggctttt aacctttaga 21060  
agtgtgggtt gcagataaat ttaaattaca ttattattac agaaaggaga tgtgatttca 21120  
ctccttttct ctaatatgga tataaaatct gccagatcct gcagcaggtt catttcaggt 21180  
acataggcat ccttgtttat ccagaaccc aaatgggatt ctgtagtgtt gacctgtgag 21240

tatgctgacc tcagctgtag ctccctggct aggggatggt gcaggtagtg gggagaggag 21300  
ggatagctga tccctgaaag gaaatgaatg gggatacagg ccagaagtct gtccacagaa 21360  
actcctgggc ctctcaatta tccatgatat ggggtgaaaa tggagcaatc atggggtgaa 21420  
caaagctcca ggggtgatgg catgggttct tctggtcaga tgagtcagg gagttcagca 21480  
tgtcaaatca tttgttccat taaaccctg cttgcaacag ccagcacat ggggtggcat 21540  
gccttttact gagttaccat ctactaatta gcttttttaa ttgagtgtct actatctgac 21600  
agacactgtg ctacatgctt tgcatacatt ttcagaaaaa aattttctgc agcatcttga 21660

tgagggtgggt attgcctcca ctgccagat aagaaaaataa gggtttggag ccctttggtc 21720  
tgtatttagt tcatatgctt agctaagcc caaaatggaa tttgaagcta tatatgacct 21780  
atttgaagc tattgcctt ctaccattg acattgaacc aagatctact ttactataat 21840  
tctttcaaat tttgctttct ggagatgctc agaattcagc tagctcttct tccacatagc 21900  
caccactcaa gaaatatatt tggagacaag gatttcttca atagttaagt gataagaatt 21960  
tagtaaaaca tgttttttgc cctcaaggaa ttccaagggt cctggaattt ttagagtagg 22020  
catctcccta agggctctcc aatttcacc tcaaacacca ggggttctt tcatacttc 22080

ttaggggaac atctccatt tttccccaga tgttctccag tctgccacc tctgccaat 22140  
agtcctgaa tgaatgaatc atgattttca aacctctctc ccataacatt ttccacatta 22200  
gaacaaaatt ttgttctaca tcttctctg cctaagctc caaagaaggt gctaataaat 22260  
aataaaatgc aagccctgca gggaactgta ggaaggcagc cagacgataa atatcttcta 22320  
ataaatggac ccagctcaac aggagatagc tctgtaagat cttataagct aatcattgtc 22380  
aaagggttg ctttggtgcc catggaaaag gagttacgtg gttgtagagg caagtgccat 22440

gtttctatca gtatttcacc caagacaatt aagtcaggc ccagagtcac tccctgatag 22500

aaagagcagc cattacttgg ctaccgctca caacaccagc cactttagta ctcacacccat 22560

aaaggaggga caattctgtt ctggacagca aatgttaaaa aagtgacact aaccttggtt 22620

tttatgaaag cacataaaca aaccaaataa taaaaactt tgctccattt ttagagcacc 22680

attgtaacaa agcccagctg gatgtctccc caggcccaaa taacatctcc gtaggagaag 22740

cctatgcagc tggagatggg attggccttt gcgctcaggg atcttacata ccattgacca 22800

gttgcatctt gtcccaaaga gatttaccag caggctaaat gtacaactca tacaccattg 22860

gttgggcaga aagtaagtgc ttccagcat tactttgtaa aggaaagtcc ctttgaacca 22920

cagctgccct gatgaactaa ggagcagatg aagacgtaac aatacagcag agttactgta 22980

aacctgaac ttgggcaaca aggacttagt gccttcctga taagatgtcc acgacagaaa 23040

ggcttgccct tgtatctcca ggatggctgc ccatgaaacc acagaaatat agtttgatct 23100

ggttcagagg ctgctcctgc ttctgaatac aacctgaca ttggcttgga ctctcagcaa 23160

ccccaggtc taagttttca tctccatct ctccatgcc tagagatttt tgtatgcctt 23220

taggttttaa acctcagcaa tctaacttag ctcacacagc acccagagg aagggacttg 23280

catttgaagg atagtgttt taacaaatat acacatagag aaaataacag ctccacagca 23340

agtcagctca ctaaatgaa taacataatt aaaaattaaa agaggtcagg atatatcag 23400

gattgcaagg gcacttcact aagaaggaag aaaagaccta catcatgaag aatatgtgaa 23460

gatttttgaa aggaagaac ggaaagaaga gcctcatccc tcttctgtgg cgatgctttc 23520

catatcacac gtttatgcct tgtttcctgg gaaaccact gtctgggcct caccatgact 23580

gaccgtgct ctgctgagat gccagtttg attgctcggg gctttgaagt tccacctaag 23640

gcacagcagg tttttcttc tgggtgtctgc cctgcctct ggcattttta cctcctgctt 23700

gggtcctgtc ggggcagagg agagagtaaa tgttgctgcc tactgcctgt ctctatgtat 23760

ccctgggtggc acctctgcat catccccaga tggatatatt ttggactgac acagatcaag 23820

gaccttggga cattaacaga tctacacct tagagtgtt ctatctatac ttgccctctc 23880

ccctccaaca cccacacata agagatacac acacacacgt ctatgcctca tcttcctct 23940

cttccttac tctgcagctg agatatcca gcctgtccta cggctgagtg cttacaagac 24000

gcagctaaat cctactttac actacacaga ataaactgaa cctgctactg atacataatt 24060

cctttctttt caatatttca tgagcttgca caacccctt ccacagatgc ccaaccctcc 24120

atgcttgggt agccattaac atcttctac agaatatccc actacatgga tgaacctgga 24180

ggacattatg ctgagtgaag tgaaccagtc acagacagac aagtactgca tgattccctt 24240  
 tacatgaggt atctaaagta gtcaaattca taaaagcaaa agggtagaag ggtgggtgcc 24300  
 aggacctagg ggcaggggaa aatagggagt tctttattha tgaaccagca ggcatacttt 24360  
 cagttaaaca agatggatat gttctagaga tctgctgtac aacgttgtac ctatagtaaa 24420  
 caatactgca ctgtacactt aaactatata aagaatttga tctcatgtta aatattctaa 24480  
 ccacaataaa ataaactttt ttttaagaag aaaaacactt tttaaaaaat cticcttctg 24540  
 agaagaaaag atttaagcat tacacaggat cctaattaaa aagtactatt accataaagt 24600  
  
 aagcagaata ttggcttttt gacatgagga gaggatggag atgtcactta gagaaaactc 24660  
 aaagtgaac accagcagta tccaaaccaa aagccagaag aaatgttcgc agggccatta 24720  
 aaaaaagaaa ctactacata gtcgttttgt cgaacatatt ttaagaagaa aagtctcttt 24780  
 caaataatta caaattaaaa acttggctct gagactgaac tttgagcaga cagatgagag 24840  
 agataaaatg aaatTTTTTT ctgccaagaa taataaaggt cttgatacaa agatgtgatg 24900  
 ttttcccc agtgaagcaa ctctggaaca agaaaagcat gatgaggagg agaaattcag 24960  
 attacagaag aatggtggca attctttcat ttataacttg ctaaagaatg ttgaatcagt 25020  
  
 tccttaatga gcatgcagaa ctgaaagttt ttatgggaga acattgaacg ttgtttatac 25080  
 tggatgaatg aatagcgta gagtaaatcg cttgtcctta ttctattggg cggttttgg 25140  
 tatttgaagt agattttctt ttattacctt tccaatgtcc tacacaacac aaacctacag 25200  
 catTTTTT agagaacctg gcctcaatgg gaactcacct gacattggag gcagacttgg 25260  
 gacatatcaa attgcctatg tcacgagtac ctttgataaa atgatctcag tatagctaat 25320  
 ttctcttgag ttatgtctca tgataacca actctagcaa tgctaagatg ggacagattt 25380  
 ccagaaataa tcatcaciaa ttttcaaag gcactttgtg ctgaagtaga aaatctttta 25440  
  
 tcctaatacat aagaccttag gaatggatac tggtttggga ctcaggcagc ctggataatg 25500  
 ttacaaactc taccgtatct atggatcaa gcacccata tcacaatgtg caagaaatta 25560  
 acttgtgtgg gaactagggg agccagattt ggcaaactga attacaggac cccaattaa 25620  
 atttagattc aaataaacag caatagcttt cagtatatct acagtttggc ggacatactt 25680  
 atattaaaac aattatttgc tgtttatctg aaattctaata ctaactcaaa atcctatatt 25740  
 ttgtctggca actctacttg aaatgcatct gtcaaaataa tgaactggac tttgcaagtc 25800  
 aatcttcaag taccatgtta ttttagttc aaatccata ctcattttct ttttaactat 25860  
  
 cticctatga actcagagtg cccatgcgta gtcctcacia aagcaacgtt gttgggcaga 25920  
 agagatcaca cttggggaac tgtggacagt ttgagaattt atttatttat tttgacagg 25980  
 gtctccttct gtcttcaagg ctggagtga gtggggccgt ttcggctcac tgcaacctct 26040

gcctccaagg ctcaagtgat tctcctggct cagcctcctg agtagctggg gctacaggag 26100  
catgccactg agcctggcta atttttgtat ttttagtagt ttcacatgt tgcacaggct 26160  
tgtctcaaac tctgagctc agatgatctg cctgcttcag cctcccaaaa tgctggaatt 26220  
agagggtgta gccactatgc ctggctagt ttagaatttt taacatcaat gtaactgaga 26280

tcagtaaaac tcaaggaagg atctttcatt cccccaggag aaggtagaat aggcccttca 26340  
gtattgacag gtgacctaca atgtaaaagg cctaaggatg aaaggattaa ctatggtgct 26400  
aattgattga ggaattagga ataatgttct ctttcacct ctgagttgat acagtctca 26460  
gaaaacaact aataccaag gcctggagtc agaataattt atattaggag catgtaccac 26520  
gtcggattag tgggttaactt tcaagctctt ttcagaatgc agcactcaca gataattgtt 26580  
cacatgtacc aaaaaataat agaaatgcat tcaccaaca tacctagaac atgggcagaa 26640  
gcccgggtgt gtattaagca gaggcaatag caaacaatg ttgttatggt cctcaggtca 26700

ctgataggct aatggtggtg ttggcttggg gggaggtagc acagaaaata gatgaacgta 26760  
aagaaaatgt gaaaagtctt ttgatggggg acttaggggg ctgagataat tcagcagagt 26820  
cacataaacc aaggtatgag gcagttggc aagaaagact tagtggataa gccagtaggt 26880  
atgagtttag tctttagta tacaataag tcaaatgctc aaggtgagga acagcaatcc 26940  
aggcagaggg aacagcagga gcaaatattt aagacatgaa ataagatcct atgttcaggt 27000  
aaccacagga ttttgaact gtgaaaacac agggcttgct caagaaagag gaaaggggtg 27060  
atgcagaaaa tacaggcagg aggtggatca catacacaca tgaataataa agaaatgata 27120

accataatta taataagttt tattctttgg ccaactgcaa tgaagaaaat gctgagattc 27180  
atgcctgtgc tgaagcatc aaagatggaa aatcagctgg gagtcaatta accatgaaaa 27240  
aatagccaaa agtcataat tttggtgtct gtcccttggg caaaataaat gaatgtctac 27300  
tttaattatt cagtttccat ctggatatgt caagccctta ggacatggaa gaagcagagt 27360  
gtctaagact cagatttaca aggatgtgcg attgttggg gagaaggaaa aataattctg 27420  
tcccatcctc gagagtgaat caatggggga ggtgatggaa taaaggcaaa ggaaaatctc 27480  
atattgcaaa cctgtaatgc tagacctga gttagaaca ggaatgatac tgaatcttta 27540

cagtcttgtg aggcagggat aattcctaaa ctggcaaca aaagaatcag agtggcacccg 27600  
tggttcatgc ctgtaatctc agcactttgg gaggccaaga caggcagatt gcttgaactc 27660  
aggagtctga gaccagcctg ggcaacatgg agaaactctg tctctccaa aaaaaaaaaa 27720  
aaaaaaaaatc aggcattggg gtggcatgcc ttagttcag ctactcagga gactgaggtg 27780  
agaggatcac ttgagccag gaggcaagg ttgcagttag ccaacattgc gccactacac 27840  
tccagcctag gtgacaggat gaggaaaaag agacagagag agagagagag agaatacagag 27900

aacttaagcc caagttctgg catcaaacaa aatgatgtaa cctaaatttg accccagcta 27960

taagaaataa acccaaacac atgtgccaag cgttctctaa gtctgcagca aaaacagtca 28020

aagaaaagtg actcattata taacagaggt agtgcctttg caaaaaaaga aaattaattt 28080

cattctgatt tcccctgatt tgtactgtat gtaccaaatac acagccctct gtgaaattaa 28140

gggcattagt tatcttccca ttcagttgca gtggcggtat acttgcatag agacattcct 28200

aactgagatg agaataatca agtttttaca aaatcattca tcaagagggtg agacctaatac 28260

ctgattaacg tttaataaag aagcctggga caaaatagag aatcagtaca ggatcacagc 28320

agcaattagg catcttctag acagccacgc ttttctcag accaatcaag tttagacaaa 28380

tgataaattt ttcttttctc tctttttgcc cctgctgtg aaatgaacta ccttaataa 28440

ctgatgaggt gacagcaagc ctgttaaagg aaacgtctgc ccattacgtg aagcttaatt 28500

aaacagagca cagggtaatc gttcttccat ctaataagtg atacaccctg gttaacatca 28560

tctgcttgc agggcttggc ctagaaggcc tgcgatgaca cccacaagt aaactaggaa 28620

aacacacaca cacacacaca cacacacaca cacacataca gattttgaga aatcacagc 28680

cagtttgcaa atggagtgtg gcatatgcaa ataaagttaa tcaaatatta atactcatct 28740

cctggttatt ctctcttag atttattcag aatgatgaag ctacattcat tttcccctt 28800

agatgagcca tttaaaatta atgataaaaa tttagcacca gtggtcgggt gcggtggctc 28860

aagcctgtaa tcccagcact ttgggaggct gagacgggtg gatcacgagg tcaggagaca 28920

ggccatcctg gccaatatgg aaaaaccca tctctactaa aaatacaaga attagccagg 28980

catggtgttg tgtgcctgta gtcccagcta ctcgaggagc tgaggcagga gaaccgttg 29040

aaaccgggag gtggaggttg cagttagccc agatcatgcc acagcactcc agcctgggca 29100

acagagttag actccatctc taaaataaaa taaaataaaa taaaataaaa tagtttagca 29160

ccagtactgt gagggtctat ggacttgaaa tctccaaga gtatgtcatt aatgcatgaa 29220

gatggggatc ataggtgttt tgctcatttt cttatctcca ggtggcggca tggatatgaag 29280

cacttaagca gtattcaaag aatacttgtg tgagaaagac acttacactt ggatgccttc 29340

aaggaaatgg gtaaatccta gaaatgtgtt tatgggcagt attatggaac agtattacgg 29400

gttaaatgtg gtctcccaaa aagatgttga agccctaacc gctagtttca gtaaatctga 29460

cattatttgg aattagggtc tgtgcagatg gccaaagtta gatgcagtca tttagaatggg 29520

ccctaattct acgtggctga tatctacaaa aagaggaaat gtagacaaaa ggaggaggcc 29580

aaggaatgcc tgagttacca gaagctagga ggaaggcatg aaacagattg tccctcagaa 29640

cactcaaaaa gaaccaactc tgccaacacc ttgattttga aattgtagcc tccagaattg 29700  
 taagacaata aatgcctgct gcttaagcca tcaattttgtg gaactttgtt tcaatggaaa 29760  
 cccctgaaaa ctaatacggg tagagtggac taagatagat ggaagaacaa cccactgcc 29820  
 ggatgccagc caccctgtt atcctggcca caggccacat gtaccctgag aagtaatgct 29880  
 gcagccatga gtactaggtt caaagccgac ctctgccctt cctaattctg tggctctcatt 29940  
 tcaaaactgt gggtaatagt agagtacact tctccttagg ttgttgaag gattaaatca 30000  
 gataattctt gtigaagtgc cgaacactat gtatagcatg tagtaaatgc tcaaaaaata 30060  
  
 ctattagcat tagagtccca gaattagagc cccgcaccct aaagcttaat ggcattggaa 30120  
 acacttttac attcctctgg ttagtcacca taacagggtg cacgtggctg tatctggact 30180  
 gcctacgtgg aattggctgg taatataggg tccttggggg ccagataggc ccctcagcct 30240  
 ctgagggaca tggccaggaa ttcaggctgt tcacactggc ttccacaaat agccttctgc 30300  
 tccatcccat ctctcattt cctcaagtcc cctcagacc tcgagttatc aagaggaggc 30360  
 tttgaaatct gcaaagacct agttatgtt gaactgacc gagaggcctg aaggtcagca 30420  
 gggctcatga ggtgctggga ggccggggctg gggagctgca cgggcagtga cgttgcaagg 30480  
  
 ctgctgggaa cccagcgaga ggaggaaccc tgacttgttt cagtgagagg ctcaaggcaa 30540  
 aagaaggaa accgttcaat cggagcatcc aggggtgccac actgaggtgg ctctctaate 30600  
 ccttgcatca gggagtgtgc ccagggttgg gtgatcatta tcttatctac tcttcacagc 30660  
 aactcagtca ggtaggtatt attaccttta tcttacaat gagcgaagtg aggttcagaa 30720  
 gaccttgggt aattcagctc aaagtaagtt gcaaagcaca tgagcagctg gtattcaagc 30780  
 gcagtggaag tatagcctgt cacagccaac cattgtgact ggctgcctgc tggcaccac 30840  
 agcagtgcc ctgctagaaa gtcactctta atgggcgctt gctaacattt aaatctgatt 30900  
  
 gaagactgca ttatcaaacc catctgctga tagtttatag ctatatactt aaaaaggcat 30960  
 aaatgctttt tgaatgccag gagtgtgcgt tcttaatttc ccacaatgtt tatggaatac 31020  
 ctggagtaga gcaatcaca taataattca tactttatag cactttataa ttacaaagg 31080  
 gctttcatga acattagctc attttacaca tcagccaaca aaggttaagg ttattattat 31140  
 ccttgtttta ttgatgaaga atgaaagcat taagtcatac ctagtcttta gtattcagag 31200  
 atccgagtga agatgaaggc tgctatctga gatttgact gaggttgaa aaccctgcct 31260  
 caagaaagaa aatctgttcc ctgagaaaa atatagtctt cacgtgagag tggacaggctc 31320  
  
 caaagtcagc cccaatttgg ctttctgtct gctcagggtt tctgtccag gtggtcacag 31380  
 ctactaaca gcagctgatg aggatagtgg ctataatta gcagggtt atttcagct 31440  
 gaacactatg ctaagcactc tacatacttt cttttattaa ttgcacaca gccctgtgtg 31500

tttttaatta tgttattgcc atcttatagg tgaagaaatt gaagctctaa gaggctaaat 31560  
 agctcactca aggtcatatg actactgtga tgatcttaga ggtttcattt taacaatttg 31620  
 actttaaggt ggactgcatg attagtgtag cctcttcaac tatcttcatt tttatttctt 31680  
 gctttacccc agagcctctt gactctccct atggctttat tcaaaggctt ggctttattc 31740  
  
 tgcttgggac tctagaggca atggatctgg tactctacct gcttatatta ataggaaggt 31800  
 gcctgccatg ttctcttcc acagagactg tagtttgcaa ataaagagat tgactttgtg 31860  
 aaaatgccag aactcaggca ttaaaatgtc ctgatggaga cagctttgaa gtcacaaaag 31920  
 aaatgcagac ccaactacce tattagggtc ataaatcact gcttaccaca acccatgtaa 31980  
 aggggcctgt tcttcttcca ttctgcagcc atcctgcctg caggatgtcg ttttgaaac 32040  
 gtcatatgtt ctactaagac agacctattg ccatttctaa aatgatccaa aatgcagacc 32100  
 cccctcaaaa gagtccaga gatattatta gccaagggtg tatcataggt aattagagtc 32160  
  
 cagctcccaa tggaagatag actttgaagg caagaaatca tttggatact tgggtcccat 32220  
 actgtttgca aacatctgcc acttgactct ctgcctgaaa taactcagaa aataagaaat 32280  
 tttgagatga gaagacaaaa ggcagaaaaga agatggcagg gcagatggag atgtttcatg 32340  
 caagaacttt cgatgagaaa gggaacactg aaactaaaca tatactctag cctaaggttt 32400  
 ctgtcattca gtgagagaga ggagacattc aagggggcag accacaccac atcactgcag 32460  
 cctgctctgg gcaacatcac atgaaggga aacccgatag ctgaggcaga ggaagagctc 32520  
 cctgagagat ctaagaagct aaccttggat ttgaagtctc agttcaattt ccattctctg 32580  
  
 atgccactta ccagctgtgt ggcatcaaga aaatcattca gactttcagc ctctgttttt 32640  
 gcactgagaa ctggagacaa aattccccac caccctgatt tccctattgc agaggacaga 32700  
 gtgttaggaa gatggcactc cagcacatgt tgtaaaattc tagctgtgac ctggactcca 32760  
 tcagtcactg tgaacctctg tctacacagc cccaagttag gaaacacctg gatatttga 32820  
 actgtgtaga ctigcactt gccatccca tcacccgac tccgttttag ggagccttcc 32880  
 tttgtgacag tcattggttt aagtgcatta gaattaaaac attctctat caacacaaaa 32940  
 atccttctgg ttagacact gattattgga tgattgtaat aaccaccctc ctctctcccc 33000  
  
 taacaacctt gctagagtaa ccccatcaa agacacctgc ttctgaactg tttacttggc 33060  
 ccttgggacc gtccgatcc cagcaacagg gactcaggct gttccacttc cccgagaaga 33120  
 cgagagtgcc aagacctgag agaagaaacc caagaggagc ctggggctag ggagggatct 33180  
 ggaagtcacc aaccattgt gacaaagaag caaagagaaa cacagagcag tcacttgccc 33240  
 agtaggaggt agataaaaga tgagaagcca ggcatccca ctctgagtc aggctgaatc 33300  
 caaccctct gatgaggga gaaagcaat gcactccaa actggcaggg atgtatttca 33360

agaagtgttc attctttttt ttctttttt aataaaaaa gaattgttct tttattttct 33420

ttaacgctaa caaaactcca aagaaatgag gaaagaagac atctgctgct tgagaaagac 33480

ttccatttcc taagteccag ttccctttta ctccgggaag atctaatttt atctaggctt 33540

cccgaatgca gtcacacagt ggggactgct gagattgggg ctctggcagg gggattacaa 33600

gcagagcttt tgttttgatc tcaactgctta ggttaatgca tcatgactcc tccacgggct 33660

gtttcgggg acgtgctat cccactgtct gctagggaag aaaatgtctc gtgaaaataa 33720

atcaaatgca gcagtattta caaatcctga gtcggatttc catcctgtac aacaggatga 33780

gaatttgacc cattatttac accagtaagc tgagaatgac atcaaaagct ctctcattat 33840

ctccgcaggg gagataatga tttaagtgtc tttaatctaa acatgcaact tacaatagaa 33900

atgtgtatct actccttcca caaaggagaa aagaaacagc acttacttct atatttaaca 33960

gacaggacat ctaattctaa gccttgcttc taaatatccg tggatccac atctctatcg 34020

tttactcgg aaattcctct tgccttgggg aaataggatg catatcaaag tctaggtaga 34080

gaaggagccc aaaatagaga tgaaggcaca gagaaaacac cttggacact tgggaaacaa 34140

aacaccttgg acacttggga aacaaataca gcattcttta tgcagtctgt aaaagcagac 34200

ttggtctcct ttcgtccat tccctgttt cctaccgcac acctgcctct gatcctattt 34260

cacagggatg ctctaagaac aggtgagaga aaagaagtga ggacatttaa ctttaaaact 34320

ctctgcagag acacatcact ttatcattgt tgccactcat attcttaca catcttagga 34380

tctgtctttt ttgggcacca gaagaatggg gtgggaagca tctggatgtg aaagagatga 34440

agtcagccc cattatttcc cacctctgtg gcttcttagg caaagcatga actgatttaa 34500

ctcttggttt tcgctctgt agaatgcgca ctgcctcct tccttgccat atgaagcaag 34560

tcctcaatta atgttagtct gcctcatgca tgtgtctatt ctaatgaatt aattttctca 34620

cctgtaataa aattacttca atcctaagcc aaaagaacaa agcttgaggt atcacgtac 34680

ctgacttcaa actatactac aaggctacag taacaaaaac agcatggtac tggtatcaaa 34740

acagagatat agaccaatgg aacagaacag agccctcaga aataatgctg catatctaca 34800

actatctgat ctttgacaaa cctgacaaaa acaagaaatg ggggaaggat tccctattta 34860

ataaatggtg ctgggaaaac tggctagcca tatgtagaaa gctgaaagtg gatcccttcc 34920

ttacaccttc tacagaaatt aattcaaatg aattaaagac ttaaataa gacctaaaac 34980

cataaaaacc ctagaagaaa acctaggcaa taccattcag gacataggca tgggtaaga 35040

cttcatgtct aaaacaccaa aagcaatggc aacaaaagcc aaaattgaca aatgggatct 35100

aattaaacta aagagcttct gcacagcaaa agaaactacc atcagagtga acaggcaacc 35160  
tacagaatgg gcgaaaattt ttgcagtcta ctcatctgac aaagggctaa tatccagaat 35220  
ctacaatgaa ctacagacaga tttaacaagaa aaaacaaaca accccatcaa aaagtgggcg 35280  
aaggatatga acagacactt ctcaaaagaa gacatttatg cagccaaaag acgtgaaaaa 35340  
gttctcatca tcaactggcca tcagagaaat gcaaatcaaa accacaatga gataccatct 35400  
cataccagtt agaatggcga tcattaaaaa gtcaggaaac aggtgctgga gaggatgtgg 35460  
agaaatagga acacttttac actgttggig ggactgtaaa ctagttaac cattgttgaa 35520  
  
gtcagtgggg caatttctca gggatctaga actagaaata ccatttaacc cagccatccc 35580  
attactgggt atatacccaa aggattataa aacatgcttc tataaagaca catgcacatg 35640  
tatgtttatt gtggcactat tcacaatagc aaagacttgg aaccaacca aatgtccaac 35700  
aatgatagac gggattaaga aaatgtgaca catatacacc atggaatact atgcagccat 35760  
aaaaaatgat gagttcattt cttttagtc gacgtggatg aaactggaaa ccatcattct 35820  
cagcaacta tcgcaaggac aaaaaacca aacaccgcgt gttctcagtc ataggtggga 35880  
attgaacaat gagaacacat ggacacagga aggggaacat cacaccctgg ggcattgtgt 35940  
  
ggggtggggg gaggaggag ggatggcatt aggagatata cctaatttta aatgatgagt 36000  
taatgggtgc agcacaccaa catggcacat gtatacatat gtaacaaacc tgcacgttgt 36060  
gcacatgtac ctaaaaacgt aaagtataat aaaaaatta ctgtaattta gcagcattga 36120  
gttttagtag tgcttgaata taatggctta ctaatatata attcatgtat cataaagacc 36180  
atgcttttta ttgacatgta atatgttata tttttattgg ccacatatga tgtttgttg 36240  
catgcataga aaatgtaata agccttttaa aggggtacagt gtttgctggt atgttgtaaa 36300  
gttgtgcaca tatcaccaat atctaatttc agaacacttt cattactccc cagaagcaac 36360  
  
ctcatagcca tcagtagcta ctatttttag aacatatatt actaaccaac atcctggtat 36420  
tcttcaaggt ctaagaactc ttctctaaag tccacagtga actttctcct gaacttacag 36480  
ccagcgccaa agtgctgggc aattgtgtaa cactttggag ttcttgatt gacacctgac 36540  
atcttcctgg ctttcccaa tagacagtat gttcttggaa agcaacaacc atgttttcg 36600  
tattttctt ctctccagc acctcagtc agagctgaac acacaagtag gtgcacacat 36660  
gggtaccaac tgattgacca atcgccacct cttccaaaga ccagcacatt tgtcatctgt 36720  
ctgctactct gaattctggt gcttcacaa gctgtgaaga ataactcatgt tccatgatta 36780  
  
ttctctccat agtatgtgt gttaattttt catcttaatg aactgtccag tcgagtgtag 36840  
caatgggaat agtgataaaa gcacaataaa aaatgtctta tgcttgata ctgtcagaaa 36900  
ccttttcctt acaacatccg cacataattg aaataaaata tctcaatggc tacaacacc 36960

atttgcag aataaagtgg attaagtgt atttcaaaaa ttcatactaa caggcttcat 37020  
 aaacatggat tattggaatg ttcttctgat tgatacctac tcaagcattt taagcgcag 37080  
 gcttttattc tccgcgtttg cttgagtga accactttgg gtactgaact acatgtcagc 37140  
 cccaattttc cagagtatta cagatgcaca gactttcctg ctgggagatg ggtcaggcaa 37200  
  
 gccggagcag gccc aaaagg cccatgctaa tgcacgggca gggaaccat tatgcagctg 37260  
 ttggcttccc cagagtggag tgctccaggc aatgatgccc ctcaaatctg agtaatggtc 37320  
 caggaggaac tcagagagag agagagagat gtctgaagat tctgtctatc ccagcagtgt 37380  
 ggaggagccc aggtccagg cttctgcccc aaacatacca accatcatat tctgtcaac 37440  
 tcattaggca aatgcttaat aattggctat tgggtgtagt acattgggtt agtcattaat 37500  
 tcaagaaata tttagagtgc tactagtatg gatggcgtg cccttgacat ccaggacgta 37560  
 ggggtgggca tggtgaaca agtctctaaa cttcacaggg cttagaatcc catggggaaa 37620  
  
 acagacaata taaaaatcag ccatgaaatg aaatagacat ggtatttgct aattgtgatt 37680  
 gctgtgtga agaattagac acaatgagga agtgtccaat gactacaggg tgggtggagg 37740  
 atatggcttc agaggttgtg aagtcaggaa aggcctctca aaaggagca tttcagctga 37800  
 atcctgaaag gtgtgtgagg agacttcaa gactgagaga atagaaatg caaagtcctt 37860  
 ggggttagaa agggctgggt ctgctcaagg ggcagcaatt gtcaaatgca gctgagcaga 37920  
 tgcgcaaaga gagaggtagg gaatgactgt ctcaaggaga gcattggcag caaaatttgc 37980  
 atctggattt tattccagtt aaaacaggac gtcaataaat agtttaaat aaggaccgta 38040  
  
 gagaattgca agaaaacccc cacttcactc ctcccttga ccttattcca tctgtctaca 38100  
 aattaaatct tgacctgtct tccctccatc tggatatttt cattcaactt ctgacctga 38160  
 cagtatttc cactggcttt ttcatctgca cctgaatcct ccctctcaa atctattgtg 38220  
 gacagacatt ccagccctg ttctctgcc taccctaagt tcttgtagc cccaacttca 38280  
 ctctgggtcc ttctctaaca ggggtgggaaa accttcaga cactgtact gatttcttgg 38340  
 aagcagtgtt tactctgcaa agcaatcagc agggctctgg tgatggagg cttctcttgc 38400  
 tactccatgt aatgctgag gtgaccagaa tgctctgaaa gttgcataat tttagtgcag 38460  
  
 aaacaggatt aatatctgcc ttcagagtag aagtaattta agttccttgt aaccagaggt 38520  
 ccttttctgt cttgttcacc acagtatctt ggtacctagt acagtgttta gcatcccatg 38580  
 aataagcatt cagtga aaac aatggaggaa caaatgaatc ttgtgtattc atgcacagac 38640  
 ataggaaggc ttgttgcaaa atatttaata gagtttgtca caggttgat tatctgggac 38700  
 gctgactctg agatggagt tagcatgggg atgtttacta ggggttacc tttggaataa 38760  
 cacctggaga agaaaaggaa ggggaatcag aaacaacat aaagagaaga tgtgtgatgc 38820

agcccagcaa cagcctcaga ccaccctgca tggatcatctg ggctaaagat catccttcaa 38880

aataatccca agaaagctga gatggccaga cttttactga tcagccctcc aatgtgagct 38940

gccctggaaa agagcatgac ttggctgag gtgaaagctg caagtgaagt cacctgcca 39000

gagcattccc agtagctgag accaccagat cttcagtga cttggggaact ggggtgtgca 39060

ttgcagtgtt cagtgcagaa gcaattctac ccatgttggg atttctgtt tcttactgtt 39120

cttgatgctt ccaaaaaagt taaaaggaat gaagcgatct ctgccttaat ttaggtttct 39180

tgtcctgtgg ttgatagaa cattggcatt ggtcttgggg ggaggggagg agtagaatcc 39240

tggctctgcc acatattacg tgtgactctg ggcaggggac aactctgtt tctaggctct 39300

gcttcacctc ttggggctc gttttattct tctatggaat ggggcagcta atgttgatct 39360

caagagatca aatggataa tgcacaagga aggtctctgc agtttaaagt gctgtgcaga 39420

aaaagggagg agaggatctt gtcccttttg aaaatggatg agcagcatta gcctaagagg 39480

gagtgcctgc caagctctc agcagcagaa ggcagggtga tggagacat gctcttattc 39540

ctgcgaaagc ctgttcacca cacatgagta tgcattccac acactccaat agatggcatg 39600

gtattacaca gccaaactct atttcaagg atttaacaaa cttgaagaca actaattggc 39660

gatgtggtaa cccagcaaca tcagtgtgac ttctccatta ggaacagtag gcacagtgcc 39720

cacaacacat ttagaggatg cacagaaatg ttttattttc ttttaaaatc agaagaaaaa 39780

aatgaccttt tagggtagaa cactatattc ctctttaaac caaatggtc ataaactgta 39840

atttttttt aatggaaaag ggggctcatg aagatacatg taccaggac ccgtggaagt 39900

gatagacact gaggaatcaa ggcactctct atacagaagg aaaaaggac aaactatctc 39960

acagggtcta ggagcccctg ctggaggaga agatgcttct ctgctcactc ggacaaatgg 40020

gggaagagaa gaaaaatgtg tgcaaggga ttgaggtgtc aagcatcaca atgcattcag 40080

gggctaccag cagcacaata tggacagagt taaatgggag ggaggggaag ggaggttct 40140

gggagtggg ccggatcaa atcagtctta gaatccaggc aaaggactta gcaatttattc 40200

ctgagaggga ctgcaagctt ctgaagcttg ggttttatac tgaagcaact tgatacaatt 40260

tggatttaga gaaataatgc tgcggctcag tggagaagga ctggggaaga gagaatagag 40320

ctggacatgc tttcatgagc ctgagctcca gcctccctgg tgggggcttg tgtgggcacc 40380

ggttccatcc cacacttgtt gggggctggc acggcaggga cgtgtgtctc ggctgaaacc 40440

actagcaaga taaaccaca caaaggcttt tgctttcctt tcccaaagaa tgatgtaaat 40500

ggtttggggc aatgaatcac catcccccta ggtccatctt tcaagcagaa attctgaaaa 40560

gtgtttggga gtgttaagag gtccaaaata gtatgttata gacagaaata tgataacttca 40620  
 ggaaacttgc tagacattca tttaaagagg tatcttctca caagcccttg caagaatgtg 40680  
 accaagtttt taaaaatttg tttccctcaa aagtatatat atatatatat atatatatat 40740  
 atatatatat atatatgaac tgttgctatg gcagcctaac agcttttgga atgggtgccta 40800  
 aactgtaaaa gagccccctag aaaagataaa ctactagcc ctgccacaaa ttttctaaag 40860  
 ctcccaaatg gtggcatctg tcaggtgtct ggctacagtc ttctagatcc tcagcagaca 40920  
 caattaattg gtggcagatt ttagtatagc tcgttccctt tacttccctg atttatctaa 40980  
  
 ttgccttgag ctctgagtc cccactgcac aaaggataat ttgggttagt agccaggaaa 41040  
 ggaaatgtta attctgtggc tcaagaatca cgtagggaca gagagtacag gcggagtcag 41100  
 taaatacgtg tttaatgcat gaatgaatta atgaatggcc aagaagtaat tccttggaga 41160  
 ttccactcca cccctctcag gttcagctac tttctttggc tgagactgtc ttatttgtct 41220  
 gtcacccagt agatccctagg gaccagctct gcaaggagca tgcacatgtc ttggcccaga 41280  
 gcataaaata gtaccaagga ggctttcagg aattatttga tgagttagt aatgaatgaa 41340  
 taccagaaaa caatcctctt aggccagag cacatgacta caaaatcata agacactgcc 41400  
  
 ttactaagtt acttctgct tgtcatgctg ttcgaagtcc ctctcacttt gagtacaaac 41460  
 tatecctttc catgtaacgc agggaggaaa tgcacaggta acctgagcaa tgctcaggcg 41520  
 ctttgatctt tcaaaggaga gaatcctata ccagcctttg agatgccgtg ttgactctga 41580  
 caagctgaac agaagagata atgctgtcta tatggctggt tgtcggaaat gaagtgatta 41640  
 gatttcagtt ggattgcctg ttaccacct ggaccacagg gcccgaagg caagtgtgga 41700  
 gagcatgtc acctgccaa gaagcgcttg ctgagcactt gaggaggcag agaaaatcct 41760  
 ttcccaaaga tcaagtggcc caaagagggg cacctccagc catctccatc ctagggatgg 41820  
  
 atccccatcc tgggggtgga tttgtctgtt atgggcatct cagggaact gacaatgaga 41880  
 ggaacacatt attgatttcg agaacatctt atgttatctc agtaaatcaa tgctggggag 41940  
 aggaactgca ctctggtctc caggttaactg acatccaagc tgtaccttga ttagggatta 42000  
 aattcataaa attgttgcatt agaacatggc aaaatgatit tttaaaattc agtgtctcct 42060  
 gatgaagtgt tcataagaat ttattgtgtt atttgggcaa cttttctgta ggtttggata 42120  
 gttttaaaac ttaaaaaagt tttaaatcaa atgaatacaa gcaaaacaaa gggaaaaact 42180  
 taatacattt ttctttttaa aattaagggtg gctgggcgcg gtgactcagg cttgtaattc 42240  
  
 cagcactttg ggaggccgag gcgggcagat cacttagggc caggagctcg agaccagcct 42300  
 ggccgatgta gcaaaacccc atctttacta aaaatacaga aaattagcca gccgtggtgg 42360  
 catatgcctg tagtcccagt tactctggga ctgaggctga ggcatgaaaa tcgcttgaac 42420

ctcggagaca gaagttgcag tgagccaaga ctgcaccact gccctccaac ctgggtgaca 42480  
aagtgcagact ctgcctcaaa aaataaatca aggtgtaaaa cagggtttac agctggatgt 42540  
gatctatgta tacaaatgtg gaggaagtag ctatatggat gtgtgtgttt gcaactgccc 42600  
agaaactgtc tggaagtcac acagaaaact gacaatagtg gcttccaggg aatgagattg 42660

aacgcctaga gtataggaat tgaagaagac ttaattctct gtagactctt tttcaccttt 42720  
taattttttt tgtttgtttt tggttttttt ttttagatgg agtcttgctc tgtcaccagg 42780  
ttggagtgcg gttaggtgcag tctcagctca ctgcaacctc cgcctgctgg gttcaagtga 42840  
ttctcctgcc tcagcctccc gagcagctgg gactacaggc acgcaccacc atgctcagct 42900  
gatttttgta tttttagtag agacgggatt tcacatgtt ggccaggatg gtctcgatct 42960  
cttgaccttg tgatctgccc accttggcct ccctaagggc tgggattaca ggcatgagcc 43020  
accatgccag gtctcacctt ttaaatttta accgtcttta tctattttaa ccatcttaac 43080

tgtttaaatg tatctatcta aggatacata aaaataaaaa caaatatttc atgggacatc 43140  
ccacctagta atgacaaata ctgacttaac aacttctgta ctgttcctt tgcctggaaa 43200  
atccttcccc gtttctctg ataaatccct actcatgac aagtctaaac ccagaggtea 43260  
cctcctcact gaagctccgc ctgatttctt ccagcagaag tcagccctc tatgtttctca 43320  
cagatccatg gagctgtcta aaaggaactc tgtacatgg ttatttgttt gccagcctgg 43380  
ctccatcaca agaagagggg ttctttggaa gcaacagtac ggttccattg ttgtattgat 43440  
acacatgatt tattattgta tccccagcac ctagtccaaa gcctaacata gggatggttc 43500

tcaagatgac tgatgagtaa acacatccag agtcttttct cctcttgcca tttttgcccc 43560  
tcactcactg gatacattca gtcacctgc tgcattagcc agaaccact atgtctcctt 43620  
taaaactcaa gtggagagca gaatgtgaag aaagaggaat gtgtatacac tgttagtatg 43680  
aattcaaatt aacacaacct tcgtgaaaac agtgtggaga tttctcaaag aactgaaaat 43740  
agggtacct ttacgcccag caatcccat actgggtacc tatctaaggg aaaagaaatc 43800  
attatatcaa aacggaacct gcacccatgt gtctattaca acactattca caatagcaaa 43860  
gtcatggaat caacctcagt gcccatcaaa aaatgacagg ataaagaaaa tgtggcgtgt 43920

gtgtgtgtgt atatacatat atatgtgtgt gtaaaatgtg gtatatatgt gtatatatgt 43980  
gcacatatac atatatacac ataaaaaga atgtagtgtg tgtatatata cgtgtctata 44040  
tctacatata tatacatatg tataatgtgt tgtgtatatg tagatataga catatatatt 44100  
tatgtgtgta tatatgtgta tctatacaca catacattat ctctatacac acatatgtat 44160  
gtagaatata tatatacaca cacacaacgt tcttttttat ggctgtatgg tatatcacga 44220  
aatactacac agccacagag aatattacac agtcataaaa aaagaatgaa atcatatctt 44280

ttgcaacaac atagatgaag ctggaggcta ttatcctaag tgaaaaaact cacaacaca 44340

aaatcaata ctgcatacc tcagttatga gtgggaacta aacaatgggt acacatagat 44400

ataaagatgg caataataga cactggggac tccaaaaagg gaggaggagg gttgaaaaac 44460

tacttattgg gtataatgtt cattatittg gtgatgggtg tactagaagc ccaaactca 44520

ccattatgca aaatacacat acaataagca tgtacatgta cccctgaat ctattattaa 44580

aaaataaaaa aactcaagta gagatttagg acattgccat accaaaataa ctgtaataat 44640

aattgcctc caactcctc ccatcccagc ttggttaaga ctggaagtca aggtacaaaa 44700

gaattggaag agacattatc aataggaagc actacagtgc tgtgcttagg aatggagacc 44760

ctgtctctac ccatcgctca tcggtgggtc tcagcaagtt cttaaacttc tctaaactc 44820

agtatcctca tctatgaaag aatcatgacc cctgcgcata gcagccaaag tcttggtgac 44880

gtcaacaag ataataatg taaagcacat atcacagtac ctggtacaag ggcatgctca 44940

gaaaatatca atgtcattga cctctttgcc catcactagc taaataaagc aagatcaaag 45000

aacacaactt tggttcaggt ttttccttta gttatgattt tgcacaggga ctggatgttc 45060

aggtgacctc ccacataagg gcttcatgta atcattagtt gattgtggtg atgacagtca 45120

cattgtacac attgaagagc tacaatgtgt aggcaacaag tgaaccgagt gtctgtttat 45180

gattctgatg acaccagata cagacagaca ctggcctcc ttctccacag tggcctacat 45240

cccaaatag gaaatacaca ttacagaca gaccagcag cacagagagt taggaagcag 45300

gttgctaaca cttaagctg tcagggacaa tgcagagccc ggtgggttct gcagcacagg 45360

tgagctgccc cagaagcagc tttctgggat tcaactctat gcaaatgaaa gataactggg 45420

tgacctgca ccagcaattc ctgctgggtt ttaactcagca ggatgccaat gtgtgtacac 45480

ttctcttag caaagggcaa atctcttcca ctctccaag atgttcattt ctaggccct 45540

gtgctctact gaaaaccag caagtcaca gggcttagaa gccttatcct gtagctgccc 45600

agaaaattcc tcctctgttc ctaagtaaga catgtgtgct agaaacggaa gctcaagctc 45660

cagtggattt cactgtaagt taactagagt gccgatcctg tgagcccatg ccacatttgt 45720

ttaaagcctc tcctcgtctt tccttccac ttggattttg actgctatat gcagttacct 45780

gaccataaac tccttgagga aagaggaagt gccctttcat ctctgcctgc ctttgtggca 45840

tgtcataggt gccgtttcaa gaaagtctgg catcttgacc tgtttgggaa tcaagaatct 45900

gagtctcagc taaagtcatt ggttagtttt gtcttcaaa atccttacag tgcgatcaag 45960

aacaagtcct ttctccacc aggcacagaa ttcttttcca tcaagaagaa gcttaacctg 46020

aaaaatcaaa ggattgttcc atctgcattc ctgctgtttt atgttttgtt ttgtttttta 46080  
 aaggtttcat gccaccagcc ttggagtaat ttaccttccct ctcccttgaa taaaagcttt 46140  
 gcagaactct tcaaaataga ctgttcttaa ttccaggtt aaaaaaaaa aaactaccag 46200  
 atttcctaga catgaaatta aattcaagta ctttctatit aacttttgac tctgattcat 46260  
 tgacacctca ttctaattgc ccctattatc tagaaaaata ggaaatgtca ctgcacatc 46320  
 ttattgagga attcaaaggg ccgatgaaat gaagagcccc atttggtca gcagaaatga 46380  
 gatgatcatc attcacagac atatccacag gagggatgca cttcctctgc tgagccaggc 46440  
  
 ttcggagcaa atgagtgcaa aataagcaaa tgcaagagga gtcagtccta caatttccaa 46500  
 atcattctgg tgcgtttgta ggggagtgcg attttgcttc taggataagc gttttcaatc 46560  
 attggtttat tcccttaaca aacattgacc agacaatgag agaaagaggt ggggactcct 46620  
 caggttgaaa tgcctccca aaacagaccc acattaacac aagagtgtaa aacacctgag 46680  
 aaattatcag aaatgtatag ttcccagtca caggggacta ccatctatit aacaatagct 46740  
 tgtgtgggct gcaggaaaag cccctggcct tatgtggagg taatgttttt tgcccataat 46800  
 atgggagatt cattcaggag aaaggcagac aaggacagtg gtaagacaca aactctagct 46860  
  
 aaagttagac ttcccataaa tacaattcc aaggataaaa gttatagcac tatggccata 46920  
 gacaagttac ttatcttccc tgatatgctt tggatctgtg cgtccacca aatctcatct 46980  
 caatttgtaa ttccatgtg tgggaaggagg aacctgtaat cccaagtgt gaagggaggg 47040  
 aggtgatagg atcacgaggg cagtttctc catgctgttc ttgtgatact gagtgagttc 47100  
 tcacaagatc tgatagtttt ataaggggct ctctccctt aacatatgct tctcttctct 47160  
 cttctgccac cttgtgaaga agatgcttac ctctcttcc accatgattc taagtttctt 47220  
 gaggttccc cagccatgca gaactgtgag tcaattaaac cactttcatt tataaactac 47280  
  
 cagtctcagg aagtcttcta tggcagtgtg aaaacagact aatacattct ccaagattga 47340  
 gttttctcat ttataaaatg ttggatatta ataataccta ccacataagg cttttggaag 47400  
 gagtaagggg agtgatacac ttaacatcct taggaacctg acatatagta agcatgcaaa 47460  
 acctgttagc tgctgttatt atgactttc tctgttagtc acctagtc accttctca 47520  
 catttaatta aaaataact gaggttcctt attcatttgc ttagtaagta ctactaagt 47580  
 gcatactttg gccagatc agtacttgca actgggagca cagtgggtccc aaataagtc 47640  
 tgtctcaaa aatctctagg tctagctggg aagacagaca actaaaaagg caattacagt 47700  
  
 ccaatgtaga aatcacagta aatggtgtaa tccttgctg ctaaagcatt gtctaggtaa 47760  
 tcttaggcta ttagaaatag ctcttagag atagtgaagt ccaagctaag atataaaatg 47820  
 ccttaagagt gcttatgagg tgagagagat tatgaggctt tgggggaaat aatggctgtg 47880

ccttatgagg aggtcctaga gtggatgtat ataatacagg cagggtggag agggaatacc 47940  
 agctgagaga tgaatctgga cagcaaaaca gtggcccttc ccattaaagg atcctagaag 48000  
 ctgtttaaga aaagcttate tctatcattg aaaggaaata agtgggaaag tacaatatgt 48060  
 acggatttaa gaacattgtt caggatatac atagataatg gatcacgttg gagctgataa 48120  
  
 gggagaaata accctggaag caaaaatacg taataggtga caatttcagt aatattagag 48180  
 aaaaaacatt tgacttgcatt ttgaacggtg gcaataggga tagagagaaa caaaactatt 48240  
 tcagagatag ccaaatgata gaatgaatag gaatcaagag gaattaaactg ctattggagg 48300  
 tgagggggtg agaggcttaa agtattccgt ccatgtttct attctgggtg aattttgata 48360  
 ctattacagg aatgtgggac ccaggaaaaa cctggatttg acgtacatat ttaagtcacc 48420  
 actggacatc tacatggaga cgagccgtag gcacttggat aagaaggtct agattcccca 48480  
 agagtggaaa gtcacactgg tagaattaat tcttaaattt ctatctggat atttagttgt 48540  
  
 ctctgtgaa tattgctcca gttaccaccg agcagatgga gaaggtaaat ggattcgtag 48600  
 aatcctaaaa tgtaagaact gttagaaatc ctagggtccag ccaccctggc agtccagtaa 48660  
 atggcttatt aatcccatag cacagacagt gaatggcaga gctaggtctg ggtgtagaaa 48720  
 tcaggcctcc tggctcgtga tcgagggccca tgcatttga agtctaaaag gttcagcctc 48780  
 ctagcaatct catttcttg tgggacataa gctaccttgt tcccatttta agacttattt 48840  
 caaaagaaaa ggggaaaaaa gcaacatggc aatcatctca gttggcctgt tcagccgggt 48900  
 ccttgctaaa caattataat ccttttagtt ccttctttct cctccagatc ttactattac 48960  
  
 tagcacataa taggtgttca ataaagagaa tccaataaca tcaacactga ataatacat 49020  
 tcctcactac cgaaaaacgt aggcccttct ctccctctca gattctactt ttggctttag 49080  
 tgaaggtcca aatcaagcca catttgagac acagaccagc tggcatactt tccatcttga 49140  
 catacatagt aatatgtgaa ttgttcagta atattagtcc aacttacctt cttcacccat 49200  
 tggatacttg ctgccaattt ctgtaacaca ctccacccat ctgattggtc actcaacaaa 49260  
 tgacaacacg aaggaatgtc acagggccgc tgagctgaaa acacagtgat tcttgcaaaa 49320  
 agtgaaagga tcattagtaa cctagtgttg ccatgaattg accaagtgat acagtattaa 49380  
  
 acacagttgc atatgacaga cttttctctt agaagatgac aatccagggtg tgcaaagaga 49440  
 gagagaaaca aattactaaa attactgtaa aagtgggaaa aacttgtcat ggatttataa 49500  
 gtaccaccgg atagtgtgat taaccataca tgcgtttcgt actttgatga caatgataaa 49560  
 agcaatccta cacacaactt cttataacat gctgtgtcat tcacatacat ttgctcttgc 49620  
 atgaagaaca agctattggg ggaaggatg aaaacttaga gccatttct gatagaacct 49680  
 atgttccaaa gccaaagcaa tgtcttctt cctaaagtga gaagcaccgt tctgggtgtg 49740

acagatcctc ttgaacaaca ggctcaagga tgaagagtag caatagcagt ggtggtaata 49800

ggagatacta tccccactcc agcagaccag agcattgggc tgacagtgtt gcagctcttc 49860

aagattgcat ttccccctacc cacaacacca cgttttagac tttctgtgtc taaaatgggg 49920

gctgtgttct gcttggattc tggctctgatt catcttcata tctcccaaaa tgtctaacac 49980

atttcctagc ccagagcatc tgttcaatgc atatttgttg agtgaataaa gaaaggaata 50040

tggagtgtct aaacagctgt catctttaaa aactgaggca ctgaaccaag aaaggtgcc 50100

gctggcatag ctcccataac acaacagcat aaaggagtgc ttgaatgtcc ttcactctca 50160

ggcttctacc ttctaggatc aactcagcct gcattagggg cttaaacagc ttatttcttt 50220

gacttgactt catttcttcc caaatctctt tccttggttg atattgcttc catcgaacac 50280

catacacaaa gccttctcca aaacaacaaa caagcaaaca aaagcccttt ttagtgaagg 50340

gatgtggatg gaccttagat ctactaaaat ttgttcatag agcctggttt tgggtgactgt 50400

agcaagatga acaataaagc tgtctctctg tgtgctatct atccaaatgt caggacagag 50460

taacactgga gttattcctg gagatacagg gagtcatgga ggaaatgcta catgcagcag 50520

ttcacacaat gcataacgaa tgaggaagga cctgcttgt caaccatgtt acatgctgtg 50580

gccagtctct aaaattaccc cacaataacc cagacactct gataggcatg cccttgtgca 50640

gtctccttct atgggactat gagctggctc tgcataacaa tgaaacagca gaagtgcac 50700

tctgagaacc atgggagagg gacctccacc ctggctcggc caaaaggcaa agcattgaac 50760

caaagaaaat tactcttgag ccttaagatt cagcgggtatt tgccttttta tgtaacttg 50820

cttggaacac atcactactt tcttttttcc aatttctccc tttcagaaag ggaatgccta 50880

tcctacacct gtcccaccac tgtatttttg aagcacataa tttatcttat ttcataggtt 50940

cacagctgca gacaatgtt gccccaggat gaacagtact ttaaacttca tccatactga 51000

ttgtgtctca gaatgaatag tatctgcgt ttcaccataa cttattttaga tgagaatttg 51060

gactttagac ctcagaattt atgctgaaac aagttaagat tttggaggct gctggtatag 51120

aatgaatgta ttttgcacg aagaaggaca agaattttgc aggatcagca gtagaatgtt 51180

atgggctgaa tggttttgtt ccccaaaatt cacatgttaa agcactaacc cataatgtga 51240

tagtattcag aggtggggcc tatgggaggt aattaggttt agatgatgtc atgaaggatt 51300

gttcttctaa gaaaaggaaa agaaagcaga gctctctctt tgtttctgcc atgtgaagac 51360

acagtgagag gactgttgct tgcaagccat gaagaagatc ctcaccaga acagaaccta 51420

ctggtctcca ggactttgag aaattaagat ctgtggttta aaccaccaa tctgtgatat 51480

ttgtttatag cagtataagc agactaatac agaaaccctg tagcttatct tgtgcttttt 51540  
 gaacgcttgc tctaggagaa gttggctgcc atgtcaaaag ttcaataact cgatattact 51600  
 gtgctgtgag aaagctccag acagccagga ggagaagctg tatggctgga gagagaggtg 51660  
 ccaatccatt tccagctctt tcagccttcc aagctgaggt gccagacagg tgactaaaga 51720  
 tgccatcttg gacacctaat acataaaaaat attcatgtaa ctccagccat ctgactacat 51780  
 ggcaggaag aacaagtaaa aatacctaaa tgaattcaat caatccacaa aactgtaaga 51840  
 gatagtaata cgttgttgtt atatgccact aaatgttagg atgcatgta actcagcaat 51900  
  
 agataactgg aatgttataa acaggggtgg aaaagatatt tgccatgtat ctccaccagt 51960  
 aattatcctt aagcacatat aaccatcctg ggtattatga acgccatctc accctacaac 52020  
 acaaaaaggt aagactcttg ctgaaagtgt acagccaata atgcccaggg tatggttga 52080  
 atccagcagt gctgacctca tagcccaagt accttctgtt ttccttctct agtcttctgt 52140  
 taataatgaa gctgtgactg gggccagcgt gtttaaaaag ggttgacttc tcaaatctgt 52200  
 aaaagaccga tcgaactccc cactttgtct tgcattcttt acctccctgc aaaatgtttc 52260  
 ctatagaaat cctttcacca aaagcctagg cagtcaatca aaaaagcttt ggaagaaaag 52320  
  
 caaaaataga tggatgaattg tctatgaatt ctaatcactg caaacatttg agaaagaggg 52380  
 actgtggatt ctgtgaaaaa aactgggtata caattatct atgtttctta caaaaaaaaa 52440  
 tgaacataca aaatccaagt tgttctttat gcttttagca tagttgatgg agctaagatg 52500  
 gctgtgcggg ctatagtggg tcatctgttt ctgcattctc tgcaccggcc ttcattggctg 52560  
 gaatgttcat tttccttcat ctccccaca gctcatgact cccccaagac ttggaatcat 52620  
 gtgttccct ctccagcagg aaaccacact ccagccttgc tgcaccact tcctacctac 52680  
 tctcgggact tctctctgcc atcttccag ctctgcacac catcatgggc tgtcttcaag 52740  
  
 tacagcgcca ttgtcatcta tcagcccttc catcattgtg cttggctgcc cacagcacta 52800  
 agcctcttag gggctcagac agtacatgct atatactatt tcagagagac tagaaatcag 52860  
 gaaaaggaac accgtgaagc cagagtgtat aaagtggaat gaaggacata ctcagtaagc 52920  
 ataccaaaat caaggaagac agtcagtgga ggatgcagct gtgactgtgg cagctccctt 52980  
 ttgctaagct ctgatttgtt ggaaggctca gtacgtgcag agccatatcc ttcctttttc 53040  
 cactttccct ctcttaggct ctccattaaa atggaaagag ttgtcaatga agggagcagc 53100  
 atagcccgag gagatggagt tactccgttt tacagattga gaaactgagg ctgaatggca 53160  
  
 tatgcccag tgcatagagc aaggaagtag cataactggg ctggatcaat aaaccactc 53220  
 ctttttccct aggtttaaga acccaccagg agggccactc cccaggcaaa tcatgcctat 53280  
 tccatgggtg tgtgactaca gataatttct actttttggt aaaaacacac tgggaaggcc 53340

agctgcagtg gctcatgcct gtaatcccag cagtttggga ggctgaggca ggaggatcac 53400  
 atgagctcag gatttcaaga ccagcctggg caatatggcg aaactgttaa aaaaaatta 53460  
 gctgggtgtg gtggcagggt cctgtagtcc cagctactga gaagctgaga cttaggagtc 53520  
 gtttgagcct gggggatcga ggctgcagtg agccaaaata gcgccacggt actccagcct 53580  
  
 ggggtgacaaa gtgagaccct gtctcaaaaa caaaacaaca caaaacaaac aaacaaaaag 53640  
 ccaccacaat gggatatattt ggatatattt gaacatagtt agttaagca aactataatt 53700  
 aaatgtttac atgttactgt tgtataaaca agtgaaatat caggttttta aaacttttct 53760  
 ttggtgaaga agttgaacaa cggccatcca cttttctggt ggtctagaaa taccaatttg 53820  
 ctttgttgat gttgctctgt gcaggcagga gaaggggtca cacatacaca gtcacccctg 53880  
 ggggtctgca gatgggggct tcttcctttt ttgagcatca catgtttctg acattgttga 53940  
 acggatgatt aaactcagtt aataatctcc attgggtgtt tttctttcct gttattgcaa 54000  
  
 agttccaaac ccatatggta aagcatattt cgtaagctag gattgtagat catgattttt 54060  
 tttgtaaaaa attgggagaa acaggaagct gttgcatgtg agagaacaag acttaaaatc 54120  
 aagtttttcc tctccaagc tagtttgagt tggggcaagc aagaacttcc tgagcctcag 54180  
 tttcctcact ataaaatggg gataataaca attattttga agaagatttg tggaggataa 54240  
 tcacaataca tggaacactt cacttataca ctcaaaaatc aatagttgtg attatgaaaa 54300  
 gatataattg gcttctatga ttgtgcatga ttaaacattt taccttttat tgtatatttg 54360  
 ctattcaaaa accctttaat agatgtgtat ttatacagaa ccaatattga tatgtgcata 54420  
  
 aatattaaca tacaatttta tcacatgtaa ttaataataa tctataagca ttttgcaaaa 54480  
 ttttttttcc agatgaggaa tctgagtcct aaagaaattt agagatcctt caaagttcct 54540  
 ggaccagat tagacctcta ctccactgc gtggttaggg gacaccagct gtctctgct 54600  
 catccttcc tgcaaaatct tcaaggctgg ctcttactg cctgtacaga ggatgatgcc 54660  
 caacgtctat ctgtaattag aagaagacat ccataaagag tttctgagcc ccaaatggat 54720  
 ttgacacagt ggccttttaa atcaaaactct tactacgatt atcttcattt ctatttagta 54780  
 gtttttctaa gtaagccatg cttttagagg cacctaagtc aaagtgacaa cttcaccat 54840  
  
 tttccaaagc gccgatggac gggcgtagag agagtccatt gtcaccatgg taattactgc 54900  
 acaatacctg acggccaatg gacggtcagg aggtcaggc agccgctgaa tccggcattg 54960  
 tccaggcctg ataaaaagac tagaggcctt gaaaagccgg ggagcaggat ctacagctc 55020  
 tttcctgag cctgaaaagg cccattgtgc tgccaccata aattctgggt tccccgggca 55080  
 ctgacaact gaagccaggg acaatagaat tcttgtgtcc aacaaaacac gccttgtcca 55140  
 atgccgtct tatcagccgc atttacaat gtctttcggt gtacccaaat aattccctat 55200

tagaagggt attgggagca gaactaaata aatattcacg gcctttgtca tatctttggg 55260

aatgaataa acaaacagtc atctagcata tgagcaaacc tctactact cactacattt 55320

tatctgtatt tcttgcccaa attatgtagc ttcactttct ctttcaaca tattaacaac 55380

tgaggtaact gaagctccag ttttacgtgc catctactac acgccatcgg tattattgag 55440

ttggtgcttc tacatgtgtt ttgtaaaaat tactcttccc cacaacacta gaaattttat 55500

ttctgcctca tgaagagga agaaattaga acctagagaa gttaacaac ttgcccaaga 55560

taaccaagct aattagtggc agagtgggaa ttccaatcta gatttccctt gctccaaaga 55620

ctcttccct cccactcagc aatgatgatt ttgtaccaa ataaagaaga ataaaagtta 55680

gaataagggg aaatatctaa gcacaccac tataaaattt gcatatatat atatatatag 55740

agagagagag agagagacta tattattaac aacttgagaa cagctagaat agaaggaaaa 55800

tgaagagact ttctccagga gagtatattt ttttttgcc taaaatgcta gcaattttac 55860

tttttaact ttttttagg gtggagggtga gaagcagaca aaaataagta caagcatgct 55920

gcaggaaagt ttaaggatg cccatatggt cagtatgtaa agttttctaa agaactacta 55980

gggtgaacaa agcaaccagc atgcacacaa tcacatatgc tccagaataa ctttaacctc 56040

ttcttctgta gctgatttta ttttacttat ttgtctcctt gtcagtata aatatctaaa 56100

catttgaata taatgcacat gatcaaacag aaatccctt ttcaacagaa gccatcaact 56160

agaagaatgg tgatttttac attaaaaaaa aaacttgaca atattaaaat tctaatggt 56220

ttcccgctag gtcaggagat gccacattc cacatttatt aacacagctt atgcatctga 56280

ctctgtctg tccccagct cacctgcca ccttacctcc tgcttcagta agtactgctg 56340

ttctgagcc tggcaggctg tgcacctctg tgcttctctg catctgacct cttcttccat 56400

ttactgttag tgtgacttg atggaaattc tctcagtag ctagcataa ctcagagggc 56460

ctcaggattc cttagtgtg acatagtgt tttttattt tcccacaatt agagatcttt 56520

gttatttgtg gctatttgg cctcccaact ttccatcaag gaagctgtga gctatttgag 56580

gacagaaatc acatattatt ctcatTTTTG ttgtcccag gtcagtacac tgctaact 56640

ccacagagct agactattgg agaaataaat gaacggtagt aattagacaa agaattggcca 56700

caaaattata taatttttta atttaaaaga ttgaaaatac ctattgactt ttatctactt 56760

gatgtcaaat gacaggtata atttgaatt tgttttcaag gactgtaata atgtactcat 56820

ttggcacaaa ttattcagct ttgataaatg caacgtggca ttatttgggt tgttttctat 56880

aatatttaaa tatttaaaat cagtaaagta ggttatcatt ttgcaataa tcggctatta 56940

acaataaaat accaacaggt attttctgac tggcattaaa tgcctgtgtt tgtgcaagta 57000  
ttaagtttga aaaagtgtgg tcaatatttt ctataacttt cacatgcaa atgaagcatt 57060  
taatcatctt tggggattta aggcatgaat gccatcatgt acatatgatg ctaactctca 57120  
gcattttctt atccccagg agctgaatgt tccgcagaca caacttaatc caaacaggca 57180  
attatgatgg ctaaaattta ttgagaattt ccaatggacc aggtcctggg ctaagtacct 57240  
ttctacaaca cacaatttca tcttatgaca atcttataag tcaggttctg tggtttttct 57300  
tcatttcaca actaggaaat tggagcaca aaagacggag taaagttgcc ctcaatcaca 57360

aagccactca ccagtgaagc caagactcgg acacaggcag tttgcatcta tagcaattca 57420  
cccaacagct gtactctact ccattctttg gctataaaat agggcactaa attaggaaag 57480  
tagtccaatg atttaaaaga aacatgacta aggactgcat cacittacca ggctacctaa 57540  
ctatccagga aaagcagaaa ccaactacga aggagaaccc atgcatgtaa taaagaaaaa 57600  
caaagacctt taaccagaca caaggcctga gacagtctct tacattttac caaatctggg 57660  
caacttcag acaaccaaga aatccgtta tttgcaagtt tctggagtat gcaaactctc 57720  
atattcaca agtcagagaa gtactgcaaa cacacacaca cacagagaca cacacactgc 57780

agtgtttgtt gtatgcaaaa atagtcacag cctcccgtta tctttccata gtaagaaaag 57840  
taaactgcat agtccatagc aatacaactg atttatgata taataggaga gagttccctc 57900  
tggggccatt atactcagaa agaaacaaaa tcaggtttct caaaattaag tgggactatc 57960  
cttttgcaat ataaaattag gttaagaaaa aaatgccatt ttgttatttg ctttttccata 58020  
ggcacttact ctgaagacac aagctgtaca aactctgctt gtctataaac tccacaggga 58080  
taagaagcat atatgtttcc ttgtccactt tataatcagg tagacaaagg cacaaactaa 58140  
atgcttcaaa agagctttca aaccaatgac ttagtaata aaaatctgag ccctggacat 58200

agtggctctca cctatttaca agtgcctctg aagggtgca gtaagtggag actgattttc 58260  
ttcaggcaca aatttgaatt tggccacaga ggggctgacg tgagccaggg agagagtcta 58320  
gcgggtgctc tacatctca tcacacctca ttaaatacac tggattcacc cagggtcggc 58380  
aggggaatca ggccattaaa atgtttcagt ttcgcgtttg ctggacttta ttggtggaag 58440  
aacattcttc actgctatgc acaaattgtg acattcttga agaatgcgaa aaatcatttg 58500  
tcaatattga gaatctaata ttttcatagg aagctttatg taggctatc tacctcgatt 58560  
tgtgagtcac atgtgtgtgt gcttttagatg taaatgtgac tgcacacaca cacacaaaca 58620

caaaacacat attctcaagg atgttttttt cttttcattt tttaataact ctttggatgg 58680  
ttacttttac taactccatt gttaagaact gaaaataaag agaaaaaaca aacaaacgaa 58740  
caaaaaaagc actgtcaaca gctatgtgga gctgggtcat cttaccagac tgtgcttgga 58800

tcatgagtgt ggaaatgaca gaaaaatggc cctgtttgtc tgcaaatcag tggatcagag 58860  
 gtttcaggag gactttctct acaatattca tattctctat catatggctt ccatcaagaa 58920  
 aatgaggctg gatacttaca cttgatctta gccaaaaggc caagaagcaa ggaggttgtc 58980  
 tttctaaaca ggcttttaaa atgactcctt ggctttgata tctgcaaatg ttctacatac 59040  
  
 agagatataa agatatataa tagtatctat atgtgtgtca gtacacacac acacatgcat 59100  
 gtgtatgtta ttcataactt gatcatttat atttgtaaac atttcagtca cattccttat 59160  
 ccagtaagta aatgaatttt ggcatgtggg accagggtgg atttgatggg cagtaagatt 59220  
 gtttctact ttgaaatgac agaactttgt aattggaata atcagttccc ctggctaaaa 59280  
 gcatcccacc tccctttatg agtgttccaa ccacacttca ggaaacacag agctaagagc 59340  
 tgatacttct ctagtattca acatgtgttg gggatttcat gggccaaacc caataccatg 59400  
 atgtggccat cttcaagagg acactgcatg tgcagaagac cttggcggcc agggagggggt 59460  
  
 caccittggc tctcagggtg atgtgtaggc acagccagggt ttcagagtca agatggctct 59520  
 cagagaaggc ccagaggacc ttatctagga gccaaaccaa aggggcatgt cccccagcaa 59580  
 gccaaagggc caattttgtg aattagaaag actttggcat aagatgcagc tgcaagctga 59640  
 ttcctgtttg ggctccatg actcttcagt tctgtggctt aggactctgt ttccttacct 59700  
 gtaaaatgag caacataaca cctcacattc ctgtggcgag cacagagggt ataatatgtg 59760  
 cacatcacgc tattgtttct gacacaaatt tactgttcag taaatataag tcaataccat 59820  
 cagggttctg ttacaaagac tcaacataaa gaaattaatg caatacctga cacaacaggg 59880  
  
 gccccaccaa ttgccagatt actggccttc agagacaata aatgggggaa atggagacat 59940  
 accttttcaa ttcttttctc gtcctgatgt cagcaaagag aaagtctctg ttgcagtgta 60000  
 ttcctaaaca aacctttttt taacaaagac aaggcagtct caggctcaga gaggattcaa 60060  
 ttatgttgtt tctttttaat tgtatctgtt ttttgactgc ctcataatta tgacaagaga 60120  
 tactggcttt ccagaaatta gagcaataa attttcttca aaaatatatt tttaaatagc 60180  
 agaaagtaga aggagtcaaa agaaaatatt aagtaaataa caatgtgatt gtatccagat 60240  
 attagggag acaaaacctg aatgactgag aggtgaggaa cacggatcca tggcaccaca 60300  
  
 attattttat ggacaggag acggaggccc aacggggaca tgggtgagga gcggtgccta 60360  
 cagcatctaa accgccccag acctgcctc cagcatccca gggctctctg accgcatttt 60420  
 cattaatatc acgggtcagg tcagctatgc gaggggactg caagaaatga tcacagttct 60480  
 cttcaagga cagagaagga attacaggga gagacaaatg ccagttccga catggtggtg 60540  
 gaggaggag cagagtctaa agccctacag gaaagtaggt cttcacaaag aaactaggtt 60600  
 gaagactcac ccggcccact ctccacctca tgcccctccc tgtgacgcat gccgtgcatt 60660

ttaccaatat cctgttttat tccaaaggga atttcaggcc gcctacaaag gtgcatacag 60720

tacaaacaca tataagacta ttttgaatac taaatatgtg aaaaggagaa agaacagcat 60780

gaaataatth gaatgaaggt catatgcaaa gcttgggcta aagtcataat agttgcaagg 60840

gctgcttcac gaaaggagc gggacacacg acctggcaca ggaccgcagg acctatgaag 60900

ataaaactgc tgctgagctg tattgcagcc attctgggta ctgatgccag cataactatt 60960

atcccatggg tttccacaga gacaacctg tgcaagacac aaagcaacaa tcttaaacat 61020

agtggaaaga taattattgg gctgcttaga acagcatcac tggccacag aggtgaagga 61080

aggagataga ggaagatact caacagcatc tttctgccag aaggacctga gagcaagccc 61140

ctctttcaca cagctgctac aggcacaccc taaaccaggg gcctgctcat gccactctca 61200

gttgcaaagc cctcaagtc tcttggatt ggtctctct acttttaaca atagccaagc 61260

ctgctatgtt ccagatactg tgctaaagtg gattgttgca tagataaccc ctatttgaaa 61320

gtggagaaat ctaagatgga gaggtgagc tactgatgcc acctgccttg cttgtaggga 61380

ttcacatcca tgcagtctga cgccagagcg tctctctta agcaccactc cattctgccc 61440

tcagggaag ccttcatta gtgagcctca ctggtctca gcttcacctg gggaagctcc 61500

ttctaggaac ccattgctt gcctcaact accataattg ttactctgc ctccttcatt 61560

cctacttttg cctctgaact gaatatctt tctcttctt tttcacaaa cttatccttg 61620

tcttttaagg tcttggccaa atatcacctc ctgacagtcc accttccaa ctacacacac 61680

gcacaaagct tacactgttg catcatctcc gccaccact gtgattggtg gagataatga 61740

cacagtgtaa ttctgtgagc agatgtttct tgagcatcta ttatgtgcca ggcatcagtc 61800

aatccctgg ataccaaca ggtaagattg ctctttttac agagtgttca gcctctggta 61860

gagttaaaaa gtaaacagaa aaattagcag caaagaatta gacagggata acttacacaa 61920

agaaaattht aaacgttaa taaaacagag aggggatcat atcttcttag gacctctta 61980

aagcaatata catgtggcca gcacatagct gatgctcagt aactatttga tgaaatgaga 62040

ggcaacaact atgacttaca accaccttta tcagtcattc tgttcttatg tgtttgaaca 62100

ttttgttgtt ttaagaaacc attttccaa ctgtctgcct gctctccag tccctgtgag 62160

gttatgaaaa gcagaaactc tgtcatctgc atcgtgttta tagctctac agtacctact 62220

tcagaatcat ctgcatttgc tgcaaacat aaacacagag acctggactt aaagtttgac 62280

atcagagaca tcacaaatca caggatgtaa gagccaaatg aaaagtcagc agtgatctaa 62340

tctagtatt ttactaactg ttcttggcaa acagtgtat tctggggta tcccaaagc 62400

tgttgcagg gctgtgggt ggtggggaga gctggaggga ggcttctgca gattcctaca 62460  
 actttctcct ttcttctatt taatccacag aagctctact ttatccattc tatatgtttt 62520  
 agaggttagg gtaagaattt tccttaccaa aacctgcatg aaatacaaag agtcaacagg 62580  
 aaaaaaaaa aaagagaaac gacgaatcca ggagttaaatt gaatcctttg aatttttaca 62640  
 gaacctcatt ctgaacagat gtatatgttt agatatgggc agatgcatac aaccacagac 62700  
 agatgacaag gcatagatag aacacataca caatgtaagt agagcacaca ttggcagtg 62760  
 ggggtacaag agtgtgaaag aaagagggtat taaaatagta gcgaagtatg ctttcgaggg 62820  
  
 aagcagaagt ctttctagcc ccaccattct ctcaagaatt ttctcttctt tgttgcctcat 62880  
 tcattcattc attgtttttc ctttgaaatt gtgctcattg atttattgtt ttgtcttctt 62940  
 tattgtctcat tcattcattc tttttacttt gaaatggagc tcattcattg tttttacttt 63000  
 ttaaataatt gtatatcaag tatttctatg cacactgaca catagaattg ggacctatgt 63060  
 aaaggtgaga cagagaaaga gaaggaggga gggaagaagg gagaagagaa gaagaaggga 63120  
 agaaaggagag gaaggaggag aggaagaaag gaaggaggag aaggaggagga gagagagagg 63180  
 aaggaaagaa ggaaggatga agggagagag aaaggaacag agggaggatg aattggagaa 63240  
  
 agggaggagag aaaggaaggg aggaaggagag ggagagagga aggaaggaag aaaggaaggg 63300  
 aaggaggagag ggaggagagaa atgaacggag ggaggaggga aggaaggagag ggaggagga 63360  
 accaaggaag ggaggaggag aagaaggagag ggagagagag aagagggaaa gcaggaggagg 63420  
 agggagaagag ggagggaagg agggaggagg caggagagaga aggagagaga gaagaaagaa 63480  
 aggcgggaag gagggatgaa agggaggagg gagggggcag ggagagagagg agagacaaag 63540  
 gaagagagaa aaaaggaaag gaagaaagga aggaaatgag agaagaaggg aaagaggaag 63600  
 ggaaagaggg aaggaggag gaagggaac tgcaagataa agtaatcagg tgagtgaggg 63660  
  
 gcctgaaatg cctgtctttt cctctcttct tcagcacaca aggaggcagt gtcttaaca 63720  
 aagtaatcac agggttccag aggaggcagg tgggtgagaa gaatgaaggg agtcccgaa 63780  
 ataagatatg actacagaaa aaaaaaaaa aaaaaaaaa aaagaggagag agagatgatg 63840  
 acatgattgg atctatgaga ctgtctattt ttagtggcct aaagaagact ctctcccgatg 63900  
 accttgcaa attatgatgc aaacacagtt aatgaaagct ctctcaagct tctcttcgaa 63960  
 gtcagctcat taccagatca tttctgcaca ctcatgccc aaaacctgt aacctatta 64020  
 aagaactaat cctaacaggt ttgacctgaa agttagcaga tggatttact tgaacagttt 64080  
  
 tctgcttttc tagtggtttt tcccgaagaa acattaaaga ccaggttagc acttctaagc 64140  
 cattcgcttt aatttcttat tgatgttctt gttttgtctc tcagttaaatt gccaccatt 64200  
 ttcagaaata agaaaaatgc tctgagcaat taagaaagat gcttgctttc aatgtcatct 64260

taattattta aattataaaa aatagaaaaa gaacaaaaat aattctaata ttgactaatt 64320  
 tgatgtttcc ctatgcatgt ttttaagtatt ctcatcttcat taggaaaata gagcattagg 64380  
 ctgactccaa acagaaaaac tcacttgaag taaaggacct tgtcgggtatt gcaattcttt 64440  
 gcgtaaatctc attaagtttc acccatattg ccaacaagaa acactctttt acattcccat 64500  
  
 aaagttacaa ttgccttgtt gtaataggag aacgtttaag taaaacagaa tacatgctgt 64560  
 gcatggaata gcaggttttc cccaaagtca caatgctgtg acttataaag aaacatggga 64620  
 aaatacttgg gactatttcc acatggttca ttatgacgtc aaatctcgac tccaattaca 64680  
 ataatgtaaa aatatttctg actaatttga atagtaggag gaagaaaata aggacaattc 64740  
 gtgagtcaga gtgaatgaat tctgggtgaa ttttttctc tcttctttat ttctgatatg 64800  
 atggttaagg tattgtctgt tctggaaaca ctttttaatc ttgtagtcac ttcattgacac 64860  
 atggagtacc tcttttgcaa catagacacc tgagctggcc acatctaaag tgagcttggg 64920  
  
 tacaaatacc gatacctgag catcctcttt tttgtacagc caggaaaaac tactctgccc 64980  
 agagatgccc aaagaacaag ccaatttatt ccaaaataga aacggaaaaa tagttttaca 65040  
 ataccaaatg actgaatcat cgaagtgtca aattaaatat tgataccatc aatttgagtc 65100  
 taaaatactt tcttgggtta acagaaccca ggaagaaagg taagcaacta ccaatcccat 65160  
 agcacaacc ttagaaggtt ctccctggaa gcccttttca tttcaccag tttattctc 65220  
 caacacacat cagttgacca ccaattgcac cataggactg tgctggggac cagggacacg 65280  
 gtgatgaaca agattagaac cttgccctc atgagcttgc attgtatcta attttggtg 65340  
  
 ctctgacctc aaacctggat agaatttccc aggagaactc ttgagatttg ccatctgact 65400  
 cagaataaat tagccaataa ccccatcagc ctgtagatca gagctgctga gtataagtcc 65460  
 agacctgccc actgtacgat tgtggcaaat ccctttgcac tcagagctc actttcccca 65520  
 tctgaacaat caagaggtaa gtaagtttaa tatcttagaa agctagaagc tccgttattt 65580  
 tatggggcaa caaattcatt tgtccccagg atattcagac acctcact aaaccaaag 65640  
 ccacggaaca tggagagaac ataggacact cctcatgtcc acaaaagcaa acacctatcc 65700  
 agtaggagag tgaaggaagg aatgcaggga gctggtgact ataactcca tggggcaagt 65760  
  
 tttggagtct gacaatccag ggttcaaac ctgcctctac cctgtaattg aacgtgtgac 65820  
 tttgagttaa tggtctgact caactgtaca agtttcagtc tccacatctg caaagtggta 65880  
 tctctaata caaactcaca gcattgccct gaagattaaa gaaggggtat acataaggca 65940  
 cttggcacca cccacacat gccatgggtg agcaataaat tttacccaaa ttaatgtgaa 66000  
 ttaacagaaa tattattatg cattggaaac cctgctaag actgaatctt gttcacttcc 66060  
 ctagtgccag cacctggtat aggtcagtcac cacagaaggt gctcagtaaa taaataaatg 66120

ttaactctga ttaactcata ctgattagaa actctgattg gaaaataggt acaaatgaat 66180

aactaaaaat aggaaaagga attgcttggt actttataaa cacaatttgt tcaggagagag 66240

tatTTTTcaa aatgcaaggc aaaatggtga tgacaaggtc acagactctg ggagacgctg 66300

aaaaaaacca acctccaca tggcttggtga gatcagcaga ggcaagagcc aaatgcatga 66360

gtcatgcccc gcaattctga ggcagggacc aatcagaggt atgtgctgtc ctctgactg 66420

tccgactgaa ctcttcattc attgaacaaa cagttcaaaa ggtcctttga ggaactccct 66480

ggtgcccttt ggagaaagag tggccacaga gctgacacct cgagcagaaa atgtgagaac 66540

ctatgctcaa gagaaagtgg tcccagtga aaatgaaagg aggtcaaggc agggaaacca 66600

gcaagcccggt taacgattcc atacaatgcc acagaagtgt tttccaaaag cagagtcctc 66660

acatagcaac ggaaaatgcc agcttaattt aggcagctgc acaacacaca cgcacacaca 66720

caaacgcgtg catacacaca tgcatgtata aatatatgca catacacccc catgcgcaaa 66780

ctccaaaag ggagaaacga ctctaaaata gcagagtcga ctttgaatca cagtgaacaa 66840

acggttatga tccatttatg gtgatgagta aggggttacg tagtggctct ctgtaactag 66900

gtcaggcacc aattggtagt cagctccaca gaccaggaa gatttaatga ggaggggacc 66960

agacaaagac agaagatgga aatagtgtcc caagcgctg tccccagaca ccacaatctg 67020

gcgatgggat ccagtcctg ctatttctct caaagataga ccggaacaaa cttttggaaa 67080

ctcctgacat gcggatcaac agtccaggcc aagccgttga gccatggctc tggcagcagc 67140

aaccaggctg gaataaaaac aaactctgaa tcaaaggaag atcgtgacct gagccgaaag 67200

tacagaaaga gcaaaggcat acagaggcgg cagctgttac agcagggaca agacataaat 67260

aaaacggcac tgccagcctc aagcttgtgt ccacaaaagc caatcccctt tgctgggac 67320

tatgcgccac cgttcccgtc cctctgcct gctgggtagt agtaactggc acctgcattc 67380

aggctggcag atggagaggc cagcttatt gattccagt cctactcact ccaccatcac 67440

gaaggtcatg gtgcagcagc tagccgccga gggacttctc tgacaggcag attccagcct 67500

tggcaatgcc aggaggcacc ttctctcttc aatctcggga cacctcatgt ggggagacca 67560

agggccacag gaccgtgaga gggctcagcc cagctttgtt ctggacagac ggagaggcgg 67620

ctcctgatcc ctggcactgc cagcagccct gtgaatgagc cactgtggtg agacacacac 67680

ccactgctaa tgagaccac acagacacaa gcaagaaaga caagtgcagt ggttgctaca 67740

aaacaggcag agaagaagcc aagtccggca gaggcaggat cacattgtgc ccaccaggct 67800

catggtacct ccagcccacg gcagggtccc aatccaaaag ggaggacctc gaactatttg 67860

tcttcccttg aactaacagc atcttcttgt ccaatTTTT ttttaaattg gcagccaaaa 67920  
 ttttatggat atttttaaaa agtaaatgac atcatctatc tattactctt attgttttag 67980  
 ggagcatttt taacttaaaa acctaaaggg gtagattttt cagaatggaa acacacttgg 68040  
 cagtgaataa ctigtatatt gaagaaaagg atgcatgaaa ttgctttaga actttaaaaa 68100  
 caatttaaat ttattttaca ctattgtatt gtatattgta aagtagtaaa gagtgggctc 68160  
 tgggcaagtt gctgatcca acttgttcta gtcactagct ggatagcctt aaaccagcta 68220  
 ctcaacctct gcataacctc atcacctcac tgctaaaatg gagattaggg tgtgcctccc 68280  
  
 atgtgggggtt tcctataaaa attaaataag ttaattcatg caatgcactc agcacagagc 68340  
 aagctcttaa taaaggctac ctaccttgat cattatcatc atcatttagt tgatctatgt 68400  
 tggccatttg aactgacctt gcagaataaa tgcttaggtt acaatgctac atttttttgt 68460  
 gtctaaccac agttattgaa aatccaataa tatataagta tgtggacca aatggaaaca 68520  
 actcaatgta atttacttgg ctgaaaattc agaatattta gagaaaacaa gaaacctaga 68580  
 ccccataagc ttccctgcc ctctcccca aaaatccaga agggagaaga ctgcaattgt 68640  
 ccagttccat ttttatttaa ttaattaatt agtttatTTT tttacttgag acagagtctc 68700  
  
 cctctttcac ccaggctgga gtaaatggc atgatcttgg ttactacaa cttttgcctc 68760  
 tgcatgtgat tctcatgcct cagcctcccg agtagctggg attacaggta tgagccaaca 68820  
 catccagcta actttttata attttagtag agatgggggtt tcaccatgtt ggccaggctg 68880  
 gtttcaaact cctggcctca agtgatccac ctgccttggc ctctcgaagt gctgggatgt 68940  
 tataggcgtg agccaccaca cttggccttc ctttttaata tattgctttt gttgattact 69000  
 gcttttttgg gtacctctt aaattttgga cctggggcca gtgactact catcccaaac 69060  
 tagacctagc tctgggtggg aggtaagtcc tcctctttct tcagagtgtg cttctgtcac 69120  
  
 tgtaatgtac aagtcaactg gggaccttat taaaatgcag actctgctcc agcaggtctg 69180  
 ggaaaaggga tgaggctcag gtcctgccta acaagtgcc aggtgatggt gaggccacca 69240  
 ctggtccaca gacagcatca ggagaagcaa ggccttgcag aaagtagatg cttggagaat 69300  
 ggagagggga agcaaacacc tgagtttcat ttggttgtct ttttgatgtc atggttgttt 69360  
 tcagataact tggaaactct ttcatattc atggctgttg ctaaagctgt ggctaagtcc 69420  
 ttggaccag aggcggggaa catttgttgt tttgtttgt tctaaatcaa acaaatagaa 69480  
 taaagcaaat acctattgac tcctggtgac tgccctttgg ggagttcatt taactttcat 69540  
  
 tcccttattc ttttgaatgg ctacagaagc agggatagga atgccacaga gaacagagct 69600  
 gtgcaaaaca ccgagctcc aaaggggaca cattgtctgt aaaagtaata aaacagtgcc 69660  
 agctcgatat acccaaatta actgtctgtc actgcccttc agtaaaactg caggaaatag 69720

caagagtcca gagtttttga tttaaaaaac tcagggttca caccagcct ccatcatttg 69780  
 gtagctgtgc aaccccccg ctttaacttct ctgaacctca gtttctctac atagaatgtg 69840  
 atcctagtag tgcctgcctt ataggattgt tgcctataaga taattcatat atatatacac 69900  
 acacacaata tgaacaat ggcatgactt tttccaaagt cccaagaaag cacccaagaa 69960  
  
 ttggaacatt tatgacaagt tcctatggat gtacccttgt gtgtaatttt ccctatttcc 70020  
 aagcccatat cttccccag aatatgtgtg tgtgcacaga gagagacaaa cagacagaca 70080  
 gagatagaga agaggagggg agagagaaga ataataata aaaacaactt aactgaaaga 70140  
 aaaagaaaga gtttgtagtag tgataaagac ccacattcaa aatagtattt tcctctttaa 70200  
 ctgttcccta attattatac agaacaatgc aaacattgta aaagaaatat taaatcatct 70260  
 tacatcccta gggtgaagaa atgggtaata ttctctatta aagtgtatat acttggaat 70320  
 taccaaacac acaggcacac acatgcgcac atacacacac aactagttc ctctgctgt 70380  
  
 ctcaaatctt acactctcta gaacatggca ctgtgtccta cacatagtac accctggcaa 70440  
 acataagcag gctgaattca tggaaggaag ggcttgcatt gctggctgctc tgctcatcag 70500  
 tccaccattt gtgggtgtgc actgccagcc tggctgtgca gctagacttg gatagggaaa 70560  
 aatgggggga aagtaggcct gaaaggaatg gctctcagtc atgcctttaa ttgtcaccat 70620  
 gctgggggac agaattgcag acaagcttct tgtctctgaa agaaacagag ccactcaggc 70680  
 agaggattag aggactctgc atgtggcagt ggcctttcag acaacactgt cctaaagccc 70740  
 gtttccctgt ctccaagtgg gatgaggggg ctctcttcat caaatcctac ttacgggacc 70800  
  
 atctgtgtcc ctgacctgt aaataggcct cttgactctc actcaagcat tgttgcaaat 70860  
 tgtctcttc tccacactaa tgcctcaaggc tgtgggacac tgcaaagaac cttcttcca 70920  
 ttagggattt ctctgtctaa gcaggattta tgatgacct ttggcaagga tctttgaatc 70980  
 actggcattc acaggacagc caaagcatat ttcaggagac tctattgcta acaagcaata 71040  
 cagccctgaa gatttatctc ctctgatgaa gcaggcaaat cctaattgctc ccaggatgcc 71100  
 atccctagac aatgtgctat tgcacagca gcgtagacaa tgtgttattg gatacacaa 71160  
 ctctctccca aatagctgtg tgacctcagg gaagtagtta aacctctctt accaagtat 71220  
  
 ctcaccata acatataaat gatttgtttt tcttcttagg gctgtcatca agattaagat 71280  
 gttgaatgga atcaaatgcc tgatttatct tacacctgat ttatgggcag agtctaatac 71340  
 acagtaccta ttctttttga aaaaggatgt gagcatgtgt aggaagaaga aggcagcact 71400  
 cactgactac ctagagctct gcctgtggga ggggctgtga gctgcagtcc ccgtagaatg 71460  
 agatgagtgc acctgtgcct tgagagtttg ccaacaagcc agtcaccttg aggtgcagta 71520  
 attgtgttcc agcaagagga tcccaaatcc tgcctacca ctccggcact tgttaaactc 71580

aaatttcatt tgiatctatt ctagtcaatt ttctttgatt tatctccac aaactcctct 71640  
  
 tccaattcct gcatctaagc ttgaaaggca taactgcctt tgcttctttg gttgttcttt 71700  
 tcttttacag ggtgatgccg acaaaccaaa aaaacaaaaa caaaaacaaa aacaaaaaac 71760  
 ctccctccct caggctcact gagctgctcc tccaccagca gcatccatca ataacctcat 71820  
 agatgtctca tggcctgaag aaaaggagac tgggtggaga aaaaggtgga aacaagtgtg 71880  
 ggctcccttt gatccagccc atcctggcag cacatggtat tttttcaat actttaagtc 71940  
 ctgggataca cgtgcagaac atgcagggtt cttacatagg tatacacgtg ccatggtggg 72000  
 ttgctgcacc catcaacctg tcatctacac taggtatttc gcctaactct atccctcccc 72060  
  
 tagcccccca cccccgaca agccccagtg tgtgatgttc cctccctgt gtccatatgt 72120  
 tctcattgtt aaactccac ttatgagtga gaacatacgg tgcttgggtt tctgttcttg 72180  
 tgttaatttg ctgagaatga tggtttccag cttaaaccat gtcctgcaa gagacaagaa 72240  
 ctcatccttt tttatggctg cctagtattc catggtgtat atgtgccaca ttttcttagc 72300  
 acatggtatt tctaaccga gacaccgaag caggagctt tgatcaacce catttttctc 72360  
 aggggcaact gagggccaag agacttaggt aacttcctaa aaccattga gggcatatca 72420  
 ggagtataaa agacaccag aatggcctga ctgggcatcc catacacttt cactgcatc 72480  
  
 ttgttatttc caagagagaa aaagaaaaat cctattagct ttcagtgtt ttgcaaaggt 72540  
 caaaaatag taaagatacc tgcatgtcta acttctggct ctgccatgt aacatatgaa 72600  
 caccagaaaa tacttgatc tctctagatg tcagtttctt tattggagga aaaaaaagtg 72660  
 agtataagca tctttactga tgattacatg tggataaaat gagataatag tgctctgagc 72720  
 ctggcatgag gtagaagctc ctcaatttg ttagcttct tttcacagct gcgtaaaaac 72780  
 aaatcttatt gtgagacaca tgtgcagaag agtgaaattg tgatgtaaag agaataacta 72840  
 ataaccatgg agatgagtgt attgcctagt ctaactataa atgtgaactc aaatgcaaaa 72900  
  
 atgcaatgga aactgagaaa agagaaagaa gttacaagt gctgcatcac atctcacctg 72960  
 cacaatatct taccatgtac cctgtagtca agacagtga aagatgaact ataggtacct 73020  
 tataaggaaa catacaggtt ttacaatcaa cacaatatgc ttcacaaggg aaatcctttt 73080  
 aaattaaata ttacgtcatt acgcagctat aggactcaga agtatcaagt ttcacaaata 73140  
 ttgtgtggaa catataaac aaattaaaca tcctatattt tgctattctg ttcactctca 73200  
 agactttgct gcagcttact tttcacatc aaagataaag aagactcttc tcaaatattt 73260  
 tcccttcaat taatgttagc cagaaatgca ttgtaggct ctctgtgtct taacaccaga 73320

attgacttca ttcacagaag tggaaataca gagacgggta agttttctga agtagagggt 73380  
agcaattagg ttgatcctct gatttttgaa ctatgatcac ttgctctagc aatccttacc 73440  
ctcccctact atgccaaggt acattgccac tgaagcaaaa taatcgcatc ctctgttaat 73500  
tttgcaggat atttctttca tatattttga caatatggaa aagtc aaaaga aacctccctg 73560  
acactgaaag tgaattttca agagctcaat ctgtgatggg gtctggctat aagactttac 73620  
agtattttgc cctcacgctg ctatttccat gtgtagaaaa acagtttaca aatccctgct 73680  
agtgaatgaa tgtgagtgtg tttaccgagc tcaaacgttc tgccttttgc ttgagacatg 73740

tgatacattc gtgcttctgg tggcatcagg catatgtgat atccccgtag tgacaggaaa 73800  
gctttagaat tagcatcagc gaagacacta cttcgtatta tatcattccc ccaatagcag 73860  
tatagagagc ccccaaagaa aaccattgtt tccccatta aatacatcat tgaatacaat 73920  
ccccatcaca ctgcaagaag ctgatatttg ccagaacttt ccagaaactt cataggacag 73980  
tgtaacccat ctcaaaatat aaagaattct agtctaatac acattttttt gatcaataag 74040  
tcatcaagca tttatcaggt gctgttttct gctgaatgag gactagaaa tcacaaggca 74100  
ggtaagcaat agagattcct gtgggaggct cctggaatcg ggaacctaga cagactccag 74160

atcctcattt cacaggggag aaaactgagg gaacctgtg caactaatgc catttgggggt 74220  
atttggcaga atgtcaacca gaacctgggg ctgctgactg cctggctgta agcaatgtat 74280  
aatccagctg tttttgtctc caagttaaaa aataatttaa aaataaacac caatttggat 74340  
gtgaaaagtg aaattacccc ggcctaatat gcctgtgttg attccgaagc taaaagtggc 74400  
ctgagtcatt agcaaggctc acttcatgaa ttttgacaaa gcctttcata tgcaaggcat 74460  
tgcaaaccca ttcaggaaga aactattgat gagcatgtcc tatgaaccag gtgtgaggga 74520  
cacaatggca tatacaacag agctcctctc tgcacaaagt ttgcaatcta agtagtgact 74580

actagtagac agatgggacg gaacacttgc tacaggcgcg ctgaccaaga aaacctctat 74640  
gacagatcta ttttaaggga gaaagccttg aagcacaaaa aggagttagg gggaaatatt 74700  
atttttaaat gcattttttt ctatcatggg ttgctttgca ttttattatg aaaaaaatta 74760  
atgttttttc tcaagatgtt ttctaaaaag tatttgtaca cacatttaaa tgtatgcttt 74820  
tactttgatt ctgtgacaa aatttacctt aactattgt gtatgcatgt gcgtgtgtat 74880  
gtgtgtgtgt gtgtttgtgt gtgtgcgtgt tccaatcagc attctgctgt gtctccaatt 74940  
ctctaggatt aggttttaat gcttaaacctc ttcagcatgg cctgagaatg aaaagcttct 75000

catagccttg ttccctctcta cttttcttga ttcagttgac cctctggac tgctgcaga 75060  
gtgtgtgccc cagtacacac agatcaattt cactccttga acatgccagg tatgtttatg 75120  
cttctgtcat tcgcataacc tatgtctctt aaaccacctt gctttcttgt ctaaccgggc 75180

aaattatgcc ttcatcctta aaaattcatt tcttttctct agctttctct gactgtttca 75240  
 tcaagtgaat tcaactgacg catctcctgg aaacatctct tttctttgca cagctctcag 75300  
 ctcaaattgc attataatta tccatataat ttttaagttt tacttcttga tatttttcta 75360  
 attatcagat aatgcagact tagtgtcaaa attttagaaa ataaaatgta taaatgagaa 75420  
  
 aataaacatt ggcttacact attttttttc tatttttaaa tgcaattgag atttttcttc 75480  
 ttctgtcgta cctgacttaa tataaacctt gaatatcttc atgcatttct actgagaagt 75540  
 ctctgggagc tctgcctcta acagctgcat aattgcttgt ccgatgtaca gtaaacata 75600  
 caaccattca acccctacta ctgggctact cggatattta acattttcct attataagta 75660  
 caaatgcaaa aaaaaaaaaa acctgtgcat taatgtctgt cttcattctt gcttattcct 75720  
 ttagaatggg tgcttagaag tgaaatcact gggcctaaa aggttaagact ttttaacatc 75780  
 tatgtacata tttcagatta ttttcagaa gagatgtttt aattaacaaa cacaccagta 75840  
  
 tgatttttta aatgctcatt ataatcccc atcccatcac aataacaata acaaaatttg 75900  
 taaagggata aatgcattgc ttgaatatct ttttttgatt agtaacaagt tgaattcttc 75960  
 atgtgagcac gtgtacatgt atgtgtatgt gggatatagc atgcatacaa ttttggttaa 76020  
 ttgtattgtt agctgcttcc cctcttttct atgggagcaa tggatattct aattcatttg 76080  
 caagagctct gtattaaaat attaaaatac ctcttcattt gttttgagtt ttcacagatt 76140  
 tgttctttag tcatcatttt gctcatgata tttttgagtt ggtaatttgt ccattctttt 76200  
 ccctgctgtt atttccctt atgggtgttt cttcacatgc ttagattatt gatgcatcaa 76260  
  
 gatcttcatt aagaaagggt tctttcttta ttcatctttg tatctctagc atattgatgc 76320  
 aatggtagtg ccgaaatat catcatcatt caataaatcc ttgccaaatt gtattgtatt 76380  
 ttattgtatc ataccagtaa aagctatctc tcaaatcatt tgctttcata tatcaaaatt 76440  
 cacattttta taatttatat atgttgaata tacaataatc gtttaatacta tatgcatatg 76500  
 tctgtctaaa ttctatacct caatatctct cttaaatacc taaattgacg tatcaaatga 76560  
 catgttctga atatcagtat gaaatagata aacatatctc acagataagc cattcagtg 76620  
 aatggccatc aaacaatgac ctgcacaggg aaggtaagga gcatctacag ggctgggcgc 76680  
  
 tggggctcac gcctgtaac ccagcaattt ggaaggccaa ggcgggcaga tcacagggtc 76740  
 aggagatcga gaccatcctg gctaacatgg tgaactccc tctctacca aaatacaaaa 76800  
 aaattagccg ggcatggtgg cgggcgcctg tagtcccagc tacgcgggag gctgaggcag 76860  
 gagaatggcg tgaacccggg aggcggagct tgcatgagc cgagatcggg cactgcact 76920  
 ccagcctggg tgactgaacg agactctgtc tcaaaaaaaaa aaaaaaaaaa catctacat 76980  
 glaatacagc cctatcaaaa tgggggtcta ctttggttgt ctatcaaagt ataatttat 77040

ctgtcaggat caatggcttg aacaccccca agagaacctg agttttgttt ttgttttgtt 77100

ttatcttcca aaccataaag tgatcacatt actcaaaaac ttctattctg aatacattct 77160

aaaataaaat gtattaatit caaacagcta tatgttacct ataactgtcc tgaattaatt 77220

tttgttgga acatagatgt gattttagt gtgaacacag aatgaattca agaaaatgtt 77280

atgtgaagtc acatcacatg tcttggggg aagggaagca gggggagaaa aggtgctgag 77340

gactgagtc tccagacct gcacagggcc actgcttccc cagtgcctatg gcttcccttt 77400

ccaggagctg cctaacaggc tctcatcttc ccatctgaat gaattccttc ccagaggcca 77460

tggacaggag attcccaaac cctggagtaa accacaaaac tgcttgccca cctacattct 77520

ttccagaaa agictggctc cctgggttga ggcagtttaa attcctgcc gtagcacctt 77580

gacatctagc caggtcaggg ctcagctgag ctgtgtctgc ccaggtgtca aatagaaagc 77640

tcacacttta acagtaata gcagaggaca gatgaaaagg ctgggatcca ggaaactgtg 77700

ctcaccattg gactgggttg cccagttagc cctcaccat aggaaggtga acagtgggtt 77760

agaaacaagt gccaggtagt gtctgagcat atgtgaggct tatacaaacc acaccgcaa 77820

ccagtagcag aagtcagact gggcacctgg tatctctctt cctcagaag tccacactga 77880

agtcagggtc ctctctgact ggtcatttga gcctcaacc acgtgtaaaa tgtaagctcc 77940

agattcaact gacttccag aaaaaagaa ctgtctggga ggaaataatt atttgctaat 78000

aaactcctag tatcatcttc ttctattaat ttagtcattc attcatttat tcaaggtgta 78060

ataccaat aaaggcagga tatatagtga attttgccat cagtaaggtc tgagttaag 78120

tgcagagtca actcacatca gcttggaaat ttaggaaaag atatttaact tcgtaagcc 78180

tcattttctt tacctatttt gatgttgctt ttaacagccc aaaccattac ctccctggta 78240

ggaccattac ctgtttgaaa ggcattcttt gcctatgaca ttgatgtttt acctgtaata 78300

ggctgtgggc actgcagggg gatcacacga gaaggcacac aagggtttta ttagtaggg 78360

cttgccacat ggtgagtggg taaatagaag ctactattac aataggaaag aataccttac 78420

gtgtatattg agtaggaatc ccatgaacac tgtttccaaa tgacttgacc cttaaaagta 78480

actgagagaa atgacttttt ttctattttg acaatgaaca cactgaaaca cagaaagttt 78540

gagtgcctca ctgaattag ccaccagctc cttttcagat ttggaatttg gatccacgtt 78600

tgtctccctg caaagctgc actcttcccc aggtatcagg ctgcctggtt ccaatctatg 78660

cagtggggat gcaaagaaga gtgagacagc ctgcttttac tctactgacta atgggaaaga 78720

aggacgtgag agcacattat tatgcctgac atggtaagtg gcattgagcc aggacagcat 78780

aggagtgatt gactccaggc agaaatgggc caggagggcc acactgggcc tgtctcattt 78840  
gataagctgc ttcttcaaa ctgagaaggg tgtgtccaaa tagcaaaaat ggggaagact 78900  
ggctactagg taaaagacag cctggaaaaa caatgggcca acttacatgg ggcctttccc 78960  
attctagcca tcttggcaaa caaatcattg ctgaggcaag acatatcttg acacaaatat 79020  
tctgacaaag cagtaccaa gggatgagag aattggaatg tcagcatttt gcaactccct 79080  
tataaaggat ctaatcatca gacatcaggg gtggctgaca tcacaagaga aattaccaac 79140  
attatgtgcc tccagaggga agtccccaig ccacctagga agtagtctta gcaataaata 79200

aaataaattt aaaaattgaa tctgaatcag actaagactc atccaagatg caattttcag 79260  
aaaattaaca agacagaggg aaaacacagc agagctcttc aatcagagca attttatatt 79320  
ccaggagaca ttiggttaagt tctggagagg atttccttg tcacgactga agaggagggtg 79380  
ctactggcat ctgatgagta gataccaggg atgctcctaa acatcctaca atgtacacga 79440  
cagtccccc cagtcaagaa ttgtcctgtt caaaatgcc aataagtctg aagttgagaa 79500  
accttgtatt atgaaataaa ttatttcatt tattcaatga aataggatga taggataatt 79560  
tacagatgaa aataaacgta aaaggtctaa ggccacgtgt gatggctcac atctctaate 79620

cctgcacttt gggaggccac ggtgggagga ttgcttgagc ccaggagtgt gagacctgcc 79680  
tgggcaaaca ttagttgcac atgggggtac atgctgttag tcttagctac ttgggaggct 79740  
gagggtggag gactgcttga gcccaggagg tggaggttgc agtgagccaa aattgaacca 79800  
ttgcacttca gaagcctggg tgacagagca agattctgtc aaaaagaaaa agaaaaagaa 79860  
gaagaagcct atctaaagat taataaaaaa tgtttaaatg gcaaaattaa gctatagtgt 79920  
ttcagaatgc acacacacat taacaacaag gagggaaatca tataagttag aatagtcgtc 79980  
atttttgtgc agagtgatgg ctttggggaa gcatcctgag tatctgacga ggtttaagat 80040

cctcacagag gtggtttaaa agtatttacc ttgcaataat gcattcagct acacaagtgc 80100  
tttacatgtg tttttgtata atatcttaca agaacatagt ttaaaatatt aatcacaaaa 80160  
taaaaagcct tctcttccca atttggctag gagttaatta gcttctagct actgaattca 80220  
caaaaatata ttgctgattc aacctaatgc ataatttctt ttactgtcct atccacaggt 80280  
gcttaaaaat tatgattatt tttatTTTT gagatggagc ttactctca ttgtccaggc 80340  
tggagttagc tggcactacc tcaactcaca gcaacctcca cctcccaggt tcaagcaatt 80400  
ctctgtctc agcctccga gtagttggga ttacaggcac ctgccacat gcctggctaa 80460

ttttttgtaa ttttagtaga gacagggttt caccacattg ggcagcgtgg tctcgaactc 80520  
ctgacctcag gttatccatc cgctcgggcc tccaaaagtg ctgggattac aggcattgagc 80580  
caccacacct ggccttaaaa aattatttct aaccattctt gccctgtctg cttattgcta 80640

gagattacca gccaaagctg catagtgggt aaagcatgat agaaaagtaa ttaagaacag 80700  
 gatccctgag tcagataacc tgggttgctg cccattcca ccttagtcat ctccacaagc 80760  
 ttgaggttcc tcctctgtaa aatgacatca gtaattatac ctacctcgtg gaatcactgg 80820  
 gaatattagc caaataatgt atataactga actctgaaaa gcaccccttt tgtaaaacac 80880  
  
 agctattgat taattattca cacatctatt cctcaagtac ttaacacgtg tcaaaattag 80940  
 tcctagaggc aggagatgta ggtagattga ttggtctgaa ttctttcatt tttcatagga 81000  
 tagactgtag attctattgc tacagagatc cactcgggtc tgctttttac tgaagctcac 81060  
 tacttttaga cactataatt actcaaaatt taaaatgagg gaactaagag tgaggaaact 81120  
 gcaattcata tgtgtgggta cgtgccttat aacattcttt gggcattttc ttattaccag 81180  
 atcctcagca aagcactttc attcattgcc tcatgcaatg ctcaaaattg ccatgtgaaa 81240  
 ggaaggtact atccttatac tctttttcag gtatgaaaag taattctccc agatattctt 81300  
  
 tagcttttca aaaagcttca cagctggtaa atgtcaaac caagattcaa ctcaactagc 81360  
 tttaacttag aagtctgtta tctaatttaa aacttgatgg gtcttgggtt gctattttga 81420  
 tgctgctttt aagagtccag accattacct tcttggtaga accattccct gtttcaaagg 81480  
 catcatttgc caatggcatt gattcaaaaa tatcttctgg agctttcagt ccttgatatt 81540  
 ctctaaaaga aattgggata tgaagctaac aactgtctag ccttttacag aaattggtaa 81600  
 cgtagataat taaatacat agtggcatgc agctagtacc aggatgctgt aaaaccatac 81660  
 actaggtata ccaatgggtc tcaaaattta tagatcatca ggtcacttg cacggctctt 81720  
  
 taaagccacc tcaagggttc ctgattcaga aagtgtgagg gtgagctcaa gaaaatgcat 81780  
 tcttaacata tctcagatg atactgaaac tgcgggcca gaaagcacac tgtgaaagct 81840  
 acatctagat ccgctctgtg tgtctctgtg atgttagaat gtttattcac ccttttgat 81900  
 tatgaaggca ctttctgta aagaaagctg ttatgatgta cagaatgaga tagcatgggt 81960  
 gaaagctctc cgaaaacaga aaatagttaa tctggcactt ctcaagcttt aggtagcttc 82020  
 acagtcacct ggaagctggg tacaatgca gcgtctcaga gttcaccctt agttacagaa 82080  
 ggccagggtt agggctctag aaacttcctt tgaacagagt ttccaggta atgttgaagc 82140  
  
 agatgatctg cagactacct ttataaaaac tctcataaaa caaacacaag tcccagagca 82200  
 caaaaggcaa taggtcctac agccctcact ctgaaggcca ggggtatggta tagagattgg 82260  
 acattataca aattatagac tcttagatat tccagaacag acagtaaaag aaagtgtatt 82320  
 ttaaaattgc tttcatggaa acatctacgt caaatattcg actttagggc cttcagagtg 82380  
 aatttttaat gagaagaaaa gtgatatcat ttgagatgaa agaaagccct aggccagcat 82440  
 gccctagaat cttttgatag agagcagact tcggagttag gtgtgaattg gaaatgtccc 82500

agatgatagg tagtaggttaa tcagaactat tacattttgc acctgacaca ggtattgctt 82560  
  
 cctccaacaa tgacagcagc agagcctgag caatttcaac atcttaatcc ctttcctttt 82620  
 ctttctgaat ccagggaatt tagtetaatt cttcatgcct tcccttagga attatgaagt 82680  
 gtcagctacc acagagaata tgcaagtggc tcagtataag aaatgtttgc tgcaattcag 82740  
 gggactatgt aattgagtta actttagga aacatgttta cttcctggac tagaactgag 82800  
 agtctgacca tgggaaggta tcaagcaata agtactaggt ggactctaata gcaaatcata 82860  
 catcacatgc tgctgcaggg agcaaatcc ttgctcttaa tatttttacc agagttgata 82920  
 aaaataatgg aaattaaaaa ccctactgtt ggataaatgt ggagaaggag atttatgtaa 82980  
  
 atcaactgca ttaggtaaat tgtttgcaac acaagctgct cagaatgata ttctcggggc 83040  
 tgatcgagaa ttgctatgac tgagaaaatg aaatgttaat gaattttacc aatgctatta 83100  
 acttgggtcc tcttgaccag gtaagggtta ttatcaaac gtagtggaat ctacaaaaaa 83160  
 gtggggccaca tgtgtgggca tcctgtgaca caggcacatt taatacaaca tggccgtata 83220  
 gcaggactcc tcaacttgac ctttattgtt gtctttttcc ttctttttta cagtaattaa 83280  
 tcatcatgga agaatatcgt ggaaatgtag aggtgcaaaa taaattaaat aaagttggca 83340  
 aaataaata acaaatgact ggtgatatga tctgaatgtt gatatctcct caaaatttat 83400  
  
 ttatgttgaa acctagtacc caatatgatg gtattagaga tggagtttta ggggaagtgtt 83460  
 taagtcatga gggctccaag ctcgggaatg gcatcagcgt ccttacaac gaagcttcag 83520  
 ggagccccct tgccccctca gccacatgaa gacacagaag gtgccgtcta ttggaacgg 83580  
 gccctacca gacaccgaat cagctggcac cttgatcttg aagtccctat cctccagaac 83640  
 tgtcaataat acattttctg ttgtttataa atttccact ctaagggtatt ttttaatagc 83700  
 agtccaaagg aaataagaca actgaataat gaatggataa tcctgtcacc cagtataac 83760  
 tcattttagt tgtcatgcta aaatgctcac taccttctaa taattttaac catgcttatt 83820  
  
 gtttttaaaa tatagattgt gatttacata caattttcat catgcatctg tgataaatac 83880  
 tataaccacaa gtaattctct acattattaa aaatatattc attattaaaa acatcttaaa 83940  
 cttttcagtt gtatgaatga actgttacta ttcaaagaat tcctctaagg ggtaatcatt 84000  
 tagcacgttt tcaactttgc ctctataaa taaaaatttg ttgagcattt tttatcagct 84060  
 atattaaggt aaaatttacg tactgtagaa atcacctgga tgaacacatt tttatgagct 84120  
 tctatcttgc gtgtttcagt gtttcctaag gctagatata acaaattaac caagtaagac 84180  
 aaagggcctg atacatgttt aggttcaaga caaactttgc caaatgcctt ctactattga 84240

ttatacttt cgicagcaga gtattagagt gctcatctca ttccaccag gtcagaatga 84300  
 atagtattat tattcaagat gctttcactt ttagggaaaa agtcaagaca tcaacatatg 84360  
 tgttcaaaga aatggaaagt gcatttggga attttgtttt tcactttcga tgcactttga 84420  
 gtgtttttgt cttttcttc cttctgttt agttgaggtc atcttcttgt cagcttcttg 84480  
 tttagtggg gtaatatgct gttcaaatat attgccctta ttgaacctgt tataataacc 84540  
 aaggtagaaa gtggcaatat gagtaacttt cctgcaactg aaacagcagc ctcacctaaa 84600  
 ccaagaaaacc tccaactctg ggttcctagt cacgaactac attaccctag acaaggattt 84660  
  
 aaacttctct gagcattatt ttctcatag caaaaaggaa aaagaaatag aagatgatca 84720  
 agttctaggc acttaaccag cgataccaaa aaatttaata acattctata ttgaataat 84780  
 agaaaacgat ttttaaaata ttattctacc ctctaattca aatcgccctt gtgaaaactt 84840  
 gctcttaaaa ctatgaaaga atggtaaaat aactaattat gtgtgactta ctctcatgac 84900  
 ttatccatt ctctaagtc ttgcagtgt taaaaaaaa taaaggatgt gtaactgcta 84960  
 gttatcagca cttatataa cttttgattc aagtaacaaa tagcattcca gttctatgta 85020  
 ttaattatgc cactaaatg caaaggaaag aagccaattc taatgaattg taaccatagt 85080  
  
 ttcttttgcg tgttacatat tagaagtggg tagcacttta aattaccata cacaaaacag 85140  
 catataatta attctgaata aaagataatg tattcttgct aaatacgagt tattttaaaa 85200  
 tctcttaatg aagaactaag catatgctgt gttgactgt gaaaatgttt agcatatgcc 85260  
 attagagcca acattttgca ttattatttg tttttttt caataataat atattattta 85320  
 agtgaacata caaaaaattt aatcactaac attccgaatg tggaaaatat atgcaaatta 85380  
 caggaaaactt ttggctccc cctaagttgt cactaaataa ctttttgatg acatggtgtg 85440  
 attgcaattt gtaataaaat gagaaaaatg gaaaagattg ttacttttaa gtggcagaac 85500  
  
 atatgcacaa tgcattttta aattcagata cggaaataaa catttctatt ctgaaaactg 85560  
 acatgttcta agttttcgct taatagaaaa gctgaaatct agaccttaag tgtcacctga 85620  
 tctagtattg ggtttataat ttctttcca acattgtgtt cctgctttga aaagaatgta 85680  
 tacagaagaa tgtcatctta caactaaca tttgtgtct ctcagttgat tatgctggat 85740  
 acttcattct gcccttctc accattacca cagataccac tatcaccacc accaacagca 85800  
 agaaaataac aagtcttggt ccaatccttt ctttaagcctt attctccca tctgcatctt 85860  
 gatgatgcct aatgtcccta taaatcagcc atgtgaccat gggcaaacaa ctcccatct 85920  
  
 ctaagcttta gaacctcag ttatgaaata attatactgc ggtccttttt acttacaaca 85980  
 gttcttccct cccgccagcc attctgggg tccaacagaa acacacaata aaataaggtt 86040  
 ttccaactc acatagtctt tctattctta ctcatctta tttgtagtga aaaatgtaga 86100

tagtagaaat gaattacaat atcctaagg ctccaaatta aaaacaaaat gtaaagttaa 86160  
 tttttaaatc caaagtcttg cttttgttcc aaaggtgtga tgactaatc atcagaaaca 86220  
 gatggaaact agaggaacc gctattccat tcttttccaa acactccagg tttggagata 86280  
 ttttaagtgt gtttcctact tgagtactaa tatatagtaa ttaaaaattg aaaatgaata 86340

aaatttaaaa tttaactta aattccagcc ctaggcaact gctgctggca ttttgccata 86400  
 atttctctac atgctctgat atacgcataa gtgcgtaagt atgagtgtag taagttgaag 86460  
 tcagactgaa tacataatc aatggcctac ctgtacctc ttaacatttt atcctaagca 86520  
 tatgtccatg tagctacaac tcctttgtaa tacttctagt gactgaattt agtccaccat 86580  
 aaaaatatac cataatttat ttaagaaac tccttttgtt agatatttaa gttttgattt 86640  
 ttgcatgat agatatttt gtgcatctaa ttttaataa tttccaccta tttatttagt 86700  
 attaattcca gaaaagttag atgattattg taaaatctca gcagaagaaa tataattact 86760

taaaaataat gtggcggtt tcttttccat ttgaacctc atttctatg aatgctgttg 86820  
 atcgtacctc agcacatcaa tgctcctgaa tcccacatat gtcttctgat tactgttgtt 86880  
 acaatagaag aaagatttat ttctgtgtgt gtctttctc tatagattag gcctttcctt 86940  
 tttttttttt ttigagacgg agtctcactc tgtggcccg gctggagtgc agtggtgcaa 87000  
 tcttagctca ctgcaagctc cgctcctgg gttcacgcca ttctcctgcc tcagcctccc 87060  
 gagtagctga gactacagge gccaccacc acgcccggct aatttttgtt atttttagta 87120  
 gagacagcgt ttcaccgtgt taaccaggat ggtctcgatc tccaacctc gtgatccacc 87180

cgagattagg cttttcttaa gaaagatttc ttaaataccc tagcctcagt tccctattta 87240  
 aagtcaggca cagagtaggt gctcaataaa cattcactca attggctagt gtatctttaa 87300  
 aattatttat caagctcctt ctttttccca gggataataa ataatgtcac ctcccagag 87360  
 aagtctctct ggatctacct gaactcattt cacctctcat tttattacac gactctgttc 87420  
 atttcttttt ggacaaatc cacaatgtga gattgtcctg tcatagatgt tgtgcctctt 87480  
 cccatagaat gccatagtc tagatggcag ggtctgtcct catcattat ctccatccta 87540  
 cagcacagtg attgctacac tgcagccctt caaagctgaa aagtctctta gaggtcacca 87600

aacttagctc cattatttaa aaaatatata cacagatgtc ccatgtggaa aaattagtta 87660  
 cccaagtttt aactaaaaat gacagaatct agatgagaat taaaaattct ggactcccag 87720  
 gccaatgttc ctccacagc tttccagtga cggcaacctc acagcccaga gcagaagaca 87780  
 gaaagatgac ctcaatccca ttcagcccag ggagaccaa gtgctttggg ccaaactgat 87840  
 agaaacctct attcttggct gtttagaggca ctatctaacc catgccttag taccacttgc 87900  
 acaccaagct taatagagat ggggtggcta ttactatctt ctgcttattg gtggggatgc 87960

ctgagacaca aaggagctga ggaacatggc cacagccaag tggccaagcc cagaccaagt 88020

gtcaggtgtc cattcaccta gtccccagat gtctcctgtg tctcttgcaa ctgagctcaa 88080

atcacagggtt ccttgtctca cccatgaaca gatccatcat ctgttcttgg gacactgagg 88140

tctcctctca tcttgaggga cattttccaa aaaaaaaaaa aaagtcctt gacctttcct 88200

taaaggaaaa ataaataata aataaaaaaga accctgaagt caagtcactt atgtagtgat 88260

gtgatgtact ttttaacaaa ttcattcagc ttacagtatt tacaaaacta caagtttgtc 88320

tccttttttt tttttttttt gatggactct cactctgttg tccaggctgg agtgcagtgg 88380

cgtgatcttg gcccaactga acctccgcct cccaagtcca agcaattctc ctgcctcagc 88440

ctcctgagta gcagggttta caggcatgtg ccaccacact cagctaattt tatctatatt 88500

tagtagagat ggggtttcac catgttggcc aggctggtct tgaactcctg gcctcaagtg 88560

acctgcctgc cttggcctcc cagtgttggg ttcctttttt tttttttttt ttttttaaga 88620

gttcaaggga gggtaactaaa ggcaaaaatt ccaccctgga tgctgtacct gttcactatt 88680

tctgagacc aaagactacg aggagcacag tgaccgactc ctaggcatgc aaacaatgag 88740

gctaaaaagg aaaattcttt gtctggtgct gcaaaaggag atgggtgaca gaagtgccca 88800

gaactcaagg ctctcagtgg ctctgagcct aataaacttg gaatagtggg gtggttctag 88860

aacaatcagc agctctggta cacttcccaa aaccacacc tcttaatact atttaattag 88920

ggattatatt tcgacatgaa ttttgaagga gacatgatcc ttcaaaccat agcagtggtg 88980

atacaggtac aaatatacac acgcgtacac agcagttatt ttagcaagca tccattcatc 89040

caacaaaata atctactacg tgatattcac agtggtagat actaggtata cagagataaa 89100

atcattatag tccttaccgt caaaatgcta ataacttga gaaggatatg attaaattgg 89160

taatttcagt atgttcttat acgtactata atgcacacat taaaaacact aaaaaggcct 89220

cactgaatgt caaaatatga aagcaaaatt aattagttag aagtctatca tttgaatata 89280

tgttccttgg atgaatatta gaaccaactc tgccttaata agaaattact atttgatagg 89340

gtttaactaa agctctaage aagcctccag gagaaagatg gactcccaat gattggcctt 89400

gtgaagagct caaataactaa ggcccattta ctaaccatt tatttaaggc ctctcctctt 89460

cttaagagaa gtcgaatggc cttcataaat accagcaatg cactaagatt taacaaaagg 89520

gaagttttaa agaaagtggg atgaaggga agtaaaagta aggttggtta gatggagcaa 89580

agtacttcat tciaaagcac accataattt atgacacata gtgttctttc ctagcaagcc 89640

aaagcaactg gagaaacacc aatagttata aaactaaaca aaataaaaaat gcattcttgt 89700

ccagggtgaaa caaaacattt cttgatactt gatgtcagta gaattttctcc cacagagtct 89760  
aataaagaaa tcaatacctt aaacaataac ccaaaaaataa acagaaaact acacacacac 89820  
acacatacac acacacacac acagtagata tgtatttata tataaatatg cagggtgtata 89880  
tataacacaca tccttaggggt tgcttaattc aaacggggac ccaagcatag cagtccagtt 89940  
caataaccac aatctcagcc agtgactctt ccatggaatt tataaaatcc tgtcttagtc 90000  
tcagcctctc ctttgtacc cttctgtgc ttctttaaca tggtttcag atctctctcc 90060  
agaaggagac acgatgatac tgactacaaa cagaggacta taaaagaata ggattaatgc 90120

ccttatcaag ggacttaag gaggaatac acctgtttc accccttcca tctctctgt 90180  
caactgagga cactcagaag gcatcatctt tgaggaacag gcccttgcta gacaccagac 90240  
atgtggcacc ttgatccga gactttccag cttgcagaac tgtgagaaaa aaaaacattc 90300  
tcttggttat aaattaccca ggatgtggag ttttattgta gcagcacaaa gaaattaaga 90360  
catacatatc tctatacagg tatgtatctt tattgccata cactgcacaa gcatgtttca 90420  
ggtaaatctc accagaacct gtgaagttgt gtgttactac ctctaagtga ggtaggtcat 90480  
aggcatattc acatagctcc taaatagcag acccaggggt tgggtccagg tctgcctcac 90540

tcctcattct ttccagtctg caacattgtg tctctgaatg aatcacagt agtttcaaga 90600  
cagaattaca agcattgggt gcatacaaag atatctctaa tctgggagat tagagctgga 90660  
taggtgggta tggccaacca accacatcct tgcaactctg agagaacaa tgtgctttac 90720  
gttacttaac acttgcggt tttgataaac ctactccacc atctaaagta acttctaaat 90780  
taggaaaaat atatagtta ctacatgtaa tgatcagttt tatgtcttaa tttggctagg 90840  
ttatagtctg cagtatata attaaagcaat aatctaagca atctaggtgt tattgtgaag 90900  
glattcagtg gatgtaattc aagtctgtaa tcagtttact ttaagtgtga aaaatcctcc 90960

tagattatct ggaagggcct gattcaacca gttgaaaggc attaaagca gaactgagac 91020  
ttccctgatg aagctacaat cccatctgtg gactgcaatg tcagctctca tctgagatgt 91080  
ctagtctgcc cttcctgcct acctgcccta tggattttga attttccag ccaacctctg 91140  
tgctaaggte ttaaaatata tccctcaagt tcatatgttg aaacataatc tgtaatgtga 91200  
tgatactaaa aggttgggct ttttaaaggt gattaggcca agggatcaat gcccttataa 91260  
aagtgaatca aaagagctcc ctgcctcttc cactatttga gaaggccttg agatggtgcc 91320  
atctatgagg aatattcagt aattacaaat tgaaaatgaa tacaatttaa attttaaact 91380

taaattccag ccatatgcaa ttgctgctgg cattttgcca taatttctct acatgctctg 91440  
atatatacat aaatgcagaa gtatgtgtgt agtaagtga agtcagattg aatacataat 91500  
tcgatgacct atcttgtacc tcttaacatt ttatcgcaag catacgtcca tgtagctaca 91560

acttctttgt aatacttcca gtgaagtatt acaagtattc ttgtctctcc ctcacagac 91620  
acagaatctg ctagegcctt gatcttggac tttccagcct ccagaactgt aaacaataaa 91680  
tttctgttct ttataaatga tccagcctaa ggtattttgt taaaacaggc caaacagact 91740  
actatatgct aaaattgctt aagtcaatct cttaccataa atctttcggg gtgtgtgtgt 91800

gtgtgtgtgt gtgtgtgtgt gtgtgtgtat atatatgttt atatatgtgt gtatatatac 91860  
ctatttgtac atatatgttt atatatgtgt atatatgcat atttgtacat atatgtatat 91920  
atacacaac acatgccaaa tataatataca cacatatatt atacatatta tatacataac 91980  
atatataata cacatatata caccaactat atagatttgg catatgtatt acatgtatat 92040  
ataccaaata tatacagttt gatataataa aatatatatg tatatatattg ggggtgtgtgt 92100  
gtgtgtatcc tgttggttct gttccctgg ttgaacttcg actaatacct tatgtatata 92160  
ttaatattta caaatggaag cttcagaaaa tttctgactc aaggaactgg aagaggctat 92220

tcagtctcct gacaatagcc agaaacatgt tttactccc ttgaatgaca gttgtattct 92280  
tacctgtatc caaaagtcaa atttcaattc gttaaataac tagaagacta tgctttcagt 92340  
ttgatttttt ttgacaagt tcttggcaaa agcagtagac agtagtctat tattatgttt 92400  
tgataaaggc atcattgcag aagactatgt ggataatgc ttttaaagcc tcttctcgtt 92460  
attacctttt atctggttgt ttacataact ggttgtttta catacacaga gacaaacaca 92520  
cacaaactca tttcagctat tgggaaaaac atatttgtaa gttttcaaaa ttgatagaga 92580  
agtgacaata ggcaaaataa tatacgtgtt gtaaagaaca aggttgggac tgcattggga 92640

cctggattcc caactgggtc atgctggaca aattagcttc tgttagcctc gatttcctca 92700  
aatgcaaat gaagatatag ccaatttact tcataagtct ctataaatgg taattgtcat 92760  
gactgttcaa taatgaaact ttcagattga cctcattct ctagggtagg gcttgtcagc 92820  
ctcagcacta ttggcacttt gggctggatg actgtttttt gcagagggtc gtcctgtgca 92880  
ctgcaggacg tctagcgga tccctggccc ctatccactt gatgccagca gcattctctc 92940  
ccaagctgtg acaaaacaaa tgtctctaga tcttgccaaa tgtcctctgg gggcaaaatc 93000  
attattatta tcagtagtag tcacttttta tttttctaaa aatgttaagt ataacataca 93060

caaagaagag cacagctcta tgaattagga aacacacccc tgtaatcagt cctataacaa 93120  
agaacagaaa agtaacatct cteccacaac acatgggac ctttcacatt ctctacttcc 93180  
agtcactac tggggacttt tgatcagaaa agttaagata aaaaattttt aaaaataaga 93240  
ggaaattcag caattgaatc tgtaaatgg ttttctctgt gatttcgccc aataactaag 93300  
ctctgtctata atgacaatct aaccagaaac caccaaaaa gagcaggtga gccactcaaa 93360  
ctcagcctag gattgcctag attattggag taacacaagg atggcaaccc ttactgattc 93420

ttccttccta ccagaagact caccttgctc aacacgatgg agaaaatcaa ttatcaaaat 93480  
  
 agatcaactg tggaagagaa ggccatgaaa ttgggtaggg cagcagctgg aagaacctac 93540  
 tgaccaatgg gtatcttcag ggaaagaaca ggggtaatga gaggttcaat atttactatt 93600  
 gaacctcata ttgctaccac atccctctcc ctgttaatcc ttaagttcct tggatactaa 93660  
 ggggatgacag aacaacatgc tagagttaac agcatcagat actactgtaa gataaaccta 93720  
 gtagtctagt tacatgatat attcaaatat tactctagca gcaaggaaat atgggagcag 93780  
 ctggccagac tgacctcct tctctgggta tgaatacat gtgctgttgg gaatttatca 93840  
 aattaccctc atttgtctat gagatgctgg agaatcgcag attgcaactg tgtcttcaag 93900  
  
 tgtgtgtgtg tgtgtgtgtg tgcgtgtgtt ttagagacag ggtctcacta tgttgcccaa 93960  
 gctgatctca aactcctggg ctcaagcaat ccttcacct tggcctcaca agttggctgg 94020  
 attacaggca tgagatacca tgccctgcct ctgtcttcat ttttagtate acccgtagca 94080  
 tctcctattg ggcttggaat atcatagggt ctatcaaat gcctattact taagataaga 94140  
 aatttgttaa tgaagggtga acctcactag aaattaaaac tgctgaagtc ctgttcttgt 94200  
 ctctgccact agtatgccat gtgatttggg gtgtgtgggg gaggtggggc gtgtagtctt 94260  
 ctaaattttt ctaaatacca gcacctaaat ctgtttaaaa aaggtaagaa taaaatgacc 94320  
  
 tttgaggtea ctttcagatc tctattatat ttgatatatt gagcagagaa cctgaaatta 94380  
 cagatgtgct ttgtaaccgt ctattttctt agtcatgcat tcattcataa tttcagtcac 94440  
 ttactaacce ttaattcac caatccaata aaactgggta tgatgacttg tgaatggaa 94500  
 tgcctatcta agtcttctgg aatccattgt tactgggaac agcacataga cggctgtacg 94560  
 ataataaatt ttatattaca ggggtgccatg atctccaag gagagtagac aatacaagtg 94620  
 aaaacatgga atatttaaaa aaacaggga ggtctaggga agccaaatat taattcatc 94680  
 atccactcat ctattcatgt catccaacaa ttttgaggac ctatgtggta catgttgttt 94740  
  
 ttccttgtct caagtgcact gtcaatcaca aggataaaca caggaccca gctgtgtcct 94800  
 tcagaatatt cacaggacat agcaaatggc ctgagagatg gactgtaact caaggaaggt 94860  
 agtctcagtt ctttgcagtt tcctgataga gtggcagaaa gatcattctc tcctgatttt 94920  
 aatgatctta agacacaaaa gctatgttct gagacttcca gtggttattg tgtctttgtt 94980  
 actgtcacct aggaaaaata tctcagcatc aataaaatat gagttcaaca cttgattaga 95040  
 cccagaaaag agtagatgga gatgtgccca tgtaaatgga aatgtagaaa tataaaattc 95100  
 acaagattat ttaagtcctt catccagtct tgacagaagc tagacgactc catgagggca 95160

agtcataact tgcctcatg gcaatgactt gcctccaagc aggggtaata tgagctgcca 95220  
 agttcattgc cctcatgaca atgaactctt catgcagttc acagtttgtt ggaagaggta 95280  
 gagtaaaagt gagagctgaa ggtcagagtg ttctgcacaa aggaaggagg caaagagggc 95340  
 agttaggaga ttaaggacgc atctcagaag agaaatgata agggcagaaa actttgacaa 95400  
 tggcaaaaga attagaaaa tagacattat gaaagaaata tcagaaatga aatcagtagt 95460  
 aactggcaat ggactgggtg tgaggtctta aagatggatc ctccaaagtt aatgtgtgat 95520  
 catttaccgc tggttggaaa agtgggtgga tagtgttgac atcacagaaa tatagaatat 95580  
  
 agggaaatta tcatatttaa gagtttgcta agtgaagttt gggatgcagc ttgaggatta 95640  
 gttagtaca ggatgttgaa tactgccatg aaatttcatt gatcatctga ggcaacaaat 95700  
 gtaataggag aagaagactg gaagaaaata ctaaggaaga aagcagtatt tgactggaaa 95760  
 ggctgagatg agtgaccaac caagaaaatt gaaaaaaaaa attccttttt cagaaaaaca 95820  
 aaagtatctt aagaaaaact ggctggacat ggtggctcac gcctgtaatc ccagcacttt 95880  
 agaaggccga ggcaggcaga tcacgaggtc aggaaatcga gaccatcctg gttgacacgg 95940  
 tgaaactccg tctctactaa aaatccaaaa aattagccgg gcgtcgtggc gggcgctgt 96000  
  
 gatcccagct acttgggagg ctgaggcagg agaattgacgt gaaccagga ggtggaggtt 96060  
 acagttagct gagatcgcc cactgcactc cagcccggtt gacagagcga gactctgtct 96120  
 caaaaaaaaa aaaaaagaa agaaagaaaa agaaaaacca aaagatagt aatttgagga 96180  
 aactggagta agggggcagc caggggcatt cccaccaga atggcaattc actggtgata 96240  
 tctacaatga gtagacaacc actatgtgta atgatatctg aaaaaacaat tccatgcctt 96300  
 ctatagctaa cactcttat caaggagca gttctgatta aaatttaaat ttttcatcct 96360  
 aagatagaca ttaattgct tttctaatat tgtcaaaggt gaaaaatctg gtaactttct 96420  
  
 tccttaaagt aattctcaa atatgtgtag gctatatctt tccaggcata gcacctcaaa 96480  
 gcttttatcc attactcaga ggaactatgt tctaataaca tttcattcc aaccattac 96540  
 acaaacttgt tctccacatt tgttgccctc tcagaacccc aagagatgca taccactctc 96600  
 ctaatccatc attgctgaga caaaccttcc ttgccaagaa gacaccaacc aatcatgagg 96660  
 agagacaggc atgcacaagc agagcaccac agccaaaggc acaggttctt ctctgggcat 96720  
 agccctgacc tcacctgtga tgctagtcaa actcccttcc ctctttggag ctctcttca 96780  
 acattagggg accccactcc caggacaatt gtggggattc caggatcatca gtttgggaaa 96840  
  
 atatgaattg tgatactaat atcttgcctt actttcctat ctccatttat tcattcttcc 96900  
 ttcctcattt ttatttttcc tattttcctt ctctctccct tcttctcttc cctccctact 96960  
 caccactttg taggcccccc tattatggta aataccaaga ccatcactac catcttccca 97020

tgagcagtgc tctcagcca agatgatgac tatcttcctc aagtgtaag gccacttccc 97080  
 aatacatcac attgccgtgt actattgatc acatttatca ctactaaaaa ttattttttt 97140  
 cacttgtttg ctttctatgg tccactccca caaactaaat ataagatcca taagaataga 97200  
 tactgtgtct accttgtaaa cccttataat cacagcctag ctgattttca gtgtgaatga 97260  
  
 ctttcgctaa atgaatgaat ggatggatat tctgataaat ggggtgatgg gcagatgaca 97320  
 tatccttagt ctgatgggtt ttttgttgtt gtttgtttca gggacatctt tactcacagt 97380  
 tatgatgaca tattgcattc atacaataa gacatgtatt cttaaaagta aaattattct 97440  
 caggttgcat agtagaatta aaagtgccag attctttgtt ttgcccaatg attgcaagtt 97500  
 cacacctcca aaaaatgcct gcagacaaca gctaatacga cttttaagga aacttctgac 97560  
 tctaagaacc aaagataatg tttgaattaa atccactcaa agtctaagtt ttaaaaaatt 97620  
 catgttgaaa atccatttct gcaactgttta gatctctgtg tagctataga cccaaaatct 97680  
  
 tacggccaat ttgtctcatt gagtcaacag ttgaagagag tatgaggaaa tttttcta 97740  
 aggatcatgt ctcttgcaac atcaccatat acccactctc ctaaaaaaaaa gtcacttacc 97800  
 tccctcttgg gaaacctgtg gaggaactc ttactttgga gaatccaat aaatcacctt 97860  
 tcctttactc atgactglaa tacattaact ctggacttgc ccatatgacc ctggcctgta 97920  
 gccaaagga tatagacaag catgatgcaa acagaacat aaacacctt gcattgtgcg 97980  
 atttttgtcc ttggaaaaca tatgtctttg agatttatcc tttccaaagc caaccacat 98040  
 gctgtaagtc aagtagcccc atgaaggggc catgtgttag agacactgaa gcttgtgtca 98100  
  
 atgatagctc acccacctc tgaaagtcatt gattatccct ggggtacagat aagaaatacc 98160  
 ctattcttgg ccatctctt aatatggatc ctctgttga acccaacttt ggggtggaga 98220  
 ctgagacag gagcaatgga gcaaaaaatg caggaagatg gtttaaaagt gtggggactg 98280  
 agatgcagca aaaactga aactgagcat tatctgtcaa ggtatttttg ttctctactg 98340  
 ctgtctatca attcaccac aacaactgca acctggagcc agcccgctc tctgtgccct 98400  
 cctcttgta ctctccacc agtgctaca catgcacatt catgcagtg cctaccacat 98460  
 ggccaagca ccatggcaca cctctgggt gctcatattt tttgcgttcc attgaaactc 98520  
  
 taaacttcac aggaatctga tttcttgat aacctgggtg ttgaaagcag ctgggttgt 98580  
 tgagtatca catattctg gttagctttg gatcttgcaa cctgctagat gcttatttag 98640  
 tataaaata taigtattaa acaattgtgt atgaaatgag aataagcatg agacaatgta 98700  
 agagaaaatg ttataaatc actgatgcca ggtggttaaca gaattgttat attaatgta 98760  
 ttattttttc atcattgtg taataatgc catcattatt aaggtgttac agtattatgg 98820  
 aaagatgcct acataggaa ataaaatat ttaaatctga attcaagctc tacattttac 98880

tagcttatat gatggcaagc atgttatgia atccgattct aacttttttg tctgaaaaat 98940

agggatggta gtataggatt attttgaaga tgaattagat aacatgacaa tatgccaac 99000

agtgtcttcc tcaccaatag tagtttttaa aaactgtgta taaatatatt cttcaaaagt 99060

tgagacctgc actatttga aggtatccac tagctgcatg tacctactga gcacttaaaa 99120

tgtgcctagt ctcaactgag atgcattagt ataaaacaca ctccacattt taaagacagt 99180

ataaaaaaga tatgaaatgt cacattaata atgttacatt gattataaac caataattta 99240

tattatgtta taatatgttg tatttgttta tagttttgat atattggctt aaataaaata 99300

aattattaaa ataaatatc cctatttccc ttttactttt ttaatttgac tgctagaaca 99360

ttttaaacta aatatgtgaa tgacgtttgt ggtttgtatt atatttttat tggactgcac 99420

tgggttaaag agttatcatg aaattacaat tataaacata taaaagctca aaaacaaagg 99480

atttggtgga gaaaattgag ttcttatttt cagaggtatg caaatatgat tcctgctggg 99540

aaggaaagta ttatctatgc caatttcctt taaaagtga gcatgacacc ttcataagca 99600

gaggaaagat tctcttcctt ataccaggt gaaagttagg tttggaagag cagcaataga 99660

ttagtcaatt ttagtaaagg gaatggaaag aaacatatgg gtttggaac acggaacttg 99720

gagacaaatt ccacattgtc cctcactagc catagaaccc agagtaagat gcataaactc 99780

tttgaatctc tttctctcta tagagcagaa atactaatat acttctaact tacaaggatga 99840

tagctagcat ttattaagtc ccattatgca ctgggctttt tgtaggtagg tgccactgtc 99900

atcccaaggt agagagaagg aaattaaagc aaaaaacaa aaacagaag catgtaatat 99960

acacatggac acaacaaaag acagggggca gtggaatctg ttttggatata aaccctttg 100020

gcactgcgct tttaatcact gctctctatt cagattagtc ttttatggct ctctgggaa 100080

tggaaggaga caatgaatgt gaagcatata ccaagatcat caaataatgg tccccattta 100140

tattgctgtt gtgaaggcat agcgaattat ggagaggatg taagatttaa atcactctgt 100200

gccccatttg ttcatcaca agaaagaccc caaaagacaa ggaagtacgt aagctgactt 100260

tgcaaatctt gttgtcttgg tagtattctc aatttcataa gaattaaata tttgggggaa 100320

atacattcaa aagttaattt acgaaatata aagccaaaag aattctggcc tcacagataa 100380

cttaaaagct ttaaaatcag ttctgcatg gccagtataa taaataaata tctgaggtcc 100440

tcccagtctt tccgaaatg actttgaatc tctctgtcca cgtttgcagc accagcatca 100500

agttacaata ttttttttaa cataaagcat acattcata aagattgaac tatctatatg 100560

aaggctgggt tttctttttg ttgttgctgt ttgtttattt gtttttgaa gaggttttag 100620

tgtttgtgtt ttgtgaggg gccagaaaag cactgagaat taggaaaagg ctgaaccgaa 100680  
 tatagaggga gactgggaaa tattcccagc tgggacaaac cagctgctag ctataatccc 100740  
 tgtgagtttc ccagggggag cacttggatc tagcctactg gataacctcc atcaacacat 100800  
 tcccacaaca caagatacct cccagggcaa cagtcacatc cctctgacta tccaacctga 100860  
 cacctctgca acagacatga ttgtttctga caaactcatt tcttgttcaa ttgatatga 100920  
 aaatgaaagt tggattagca caatttctca catttgagag catgtgcatg aatagcattt 100980  
 tcaatgttgc cttatagtaa acccaaatga gctttgaaag gagatgcaac aatgcaggta 101040

gagttgatat tttaagatc tctctgcttt gcatccaaat cagccctgca aggtgaaagc 101100  
 atgcttagtg ggccaagctg acacaatcaa tgcactctc ttagaagcag accatcttca 101160  
 gaaagaaatg ttaatcgaat tgtttcccat gcaaatgtaa aaacagggga aacaatacta 101220  
 tagataatat caatatTTTT caacgttaag caaagacagg caattcttga agagtgatgc 101280  
 tattaccatg aatttcatca attcagtctt acccacaatg cttttcttac atgctttgtt 101340  
 ttcacaactg ttccttggag gacaggtttg ggggcctctt tgccagaact gagaactatg 101400  
 ttctgagttt ccatgagcct actatcaact tgattttcat tgcccaaata aaattttgaa 101460

cccaggagct gtgttaggag aataatacac atattctctg ggtcaagtca gtgtgaccga 101520  
 aacttcttct tggacttttt taacagagct caactgtttt tccaatccc tctgttaggg 101580  
 aggtaatgtt ccattctaatt cctcttattc taccaaagag gaaacttgag tccacacaag 101640  
 aggagtgagt tccttcttgt taacagttag tgggatgggt atagggtttg acctggtggt 101700  
 ctacagatga aaatgttaca caaatataag agttgatcaa taaaaacat agaaacctta 101760  
 gtggactgtg tccttttgaa caaaactttg ccatcttgggt ctttgctatc acatctattc 101820  
 tgaagacctg ccttagagtg ccaaatttca tatctcttaa tgtcatcctc aaattcggtg 101880

tagattattc ttatctctt ataaatcttg tttcttatta atatgcatta gagaagctgc 101940  
 aatgggactc ctttttgac atgcaacata caagacctta atgctgcata acagagaatg 102000  
 gatagtacct attgatggac aaaaactgaa tgtatacatc ttctttcaac aacccttcaa 102060  
 aacaaactgt aaatcctggg tgcaagataa atgttctgac atgacattct tggtagcatc 102120  
 ttcccttcat gtatgccagg gctggacagg agccaaaatc tcaggagaga acatggatct 102180  
 gggaaacaca acttctttct gcctaacaca tctttttaa tatttaagtt tcatgagcac 102240  
 atcacagaaa acataacact tgggtgcatc cttaaataat tctgggtggg gagagtgcc 102300

agaatccatc aatcttgtat gcctgagaaa agtcatggga aaaggtttct ggatctttca 102360  
 ggtcctgaat ttaaatcatt tgcagctgtc taccatgtga tctcaggctc ccatttatgg 102420  
 aactggaaag atgaaatgag ataacctatg aaaggcccag tcccaggccg tcagtaagca 102480

cttcccgatg accagtggta agtctcacgg acctaccctt gaaagcacct taagtctgtc 102540  
 tccctataac agagcaatga agaacacggg atctcttggc tcaaagccct gctcatccac 102600  
 ttattagctg cataatatg ggaaaagtgt ctgaattatc ctaggtcttg atttgcatat 102660  
 ttataaatg gataattata gcttctacct cattgagact gtcctgaaga ttgactgaga 102720

taattcatgg gacatgctga acgcagtgtg tgcatacagt aaatgctcag tccacatcag 102780  
 ctattataac aatgcttcca ccctcgtgct ggcttcatcc tctctaccag tgagggtgact 102840  
 gccagagggt actcacagga gtactctccc tgtgaatttc cctgtttaaa ctttctgtct 102900  
 ctttctatca gttcctttca atgtgggtcca gaaatcattt aataaagcat gcttcaaate 102960  
 ctgtaaaatt tccttgggac ctagggaata aagtccaaag ctctaaattt ggtattgaaa 103020  
 glatcccata aagggtttca gaatgatgtc tcactatcac cctctgctta taaactctgc 103080  
 tcgggcaaag caaacctgtg cattcacatc caggtgtgct tgtctccatg attccttctc 103140

cagaatgctg agaagtgatg gttagaaagt gccatgcca gtgatttgtg gaggaagatt 103200  
 tgagggccag gccattttcg agctggaaag gacccaaaag gccactttac agatgaggaa 103260  
 actgagggtta attggctttc tcaaggccac acagctatit atcagcaatg ccagcattgc 103320  
 aagggtgat ctgcctagag gaagggaatc acagggcagc ctattaggga aaatttgtca 103380  
 gcaattgacc acaaacttgc tgacagggtga tctttcccca atcacaagaa atgagacaga 103440  
 agttaggcac ccaataagaa aaggacacta ggacagctctc tctgtaagtg aaaactgttg 103500  
 cttttctggc ttgcgatata gggcacagga ggagtggggg tgatagagag ggggcagcta 103560

caacgatgcc tcaggatctg atccgttcc cacttcaaag atgtgacttc tcaggctgcg 103620  
 ttagtctcct gattaatgct cccaaatgca ctgctgagac ttgctgaagt tgaagattcc 103680  
 ctgcaatgat tgcagcagga atggtgatga ataaaacaca agaatcacca atgcattagt 103740  
 tggaaggcaa gcgtccccag ctctaactac taaattgcaa tttttactct aagataataa 103800  
 tactgatagt gacactccat ttataaagtg ctttgtaagc tccccaaat aataacaaaa 103860  
 atgaaaattg tatcttatac tatatagcag tgtctatgaa gaagaagggt gagtgaagtt 103920  
 gtccaagata gatctccctt tactactgga atattttggc aaagtattga gatttagaat 103980

tgtttgcata aatgaagcac ttcacctga ttttcaattt ggctttggat ttaaatgtag 104040  
 ttttctgtct gctatcaaat caatatitaa aaaaaaaaac ttttaaacat gtggctttaa 104100  
 tgagtagaca atigaaagtt gattactagt gatattttac taagctgcct atatagcctc 104160  
 acctatgttt ggttagtctt ctttgggtag tgatctggat ttgcgttcat agtgaccagg 104220  
 cagggtttac cacatagaaa ttgaaatgag ctgggcacag tggtcacac ctataatccc 104280  
 agcactttgg gaggtgagg cagacggagc acttgaggtc aagagttcga gaccagcctg 104340

gccaacatgg taaaaccctg cctctactaa aaatacaaaa attagctggg tgtggtggtg 104400

catgcctgta gaccagcta cttgggaggt tgaggcaaga gaatcgcttg aacgtgggag 104460

gcagaggttg tagtgagctg agacagcgcc actctactcc agcctgggtg atagagttag 104520

actctgtttc gaaaaaaaa gaaattgaaa tgaatggctc caagagtctt gttcagttca 104580

gtgataactg ggttaaatTTT gggcaaggag ctgtctcagc taaaaatca aagcccttat 104640

gaggttgtag tctctgacct attagacagg ctacatgtc tcagatgtc tgagacctg 104700

ggcttccct gcagacttca ctccctgaaa gagtaaagca aattcctttc aaaggtgtat 104760

cagaaaagtt gttgtgggat ggtatgagac taactccaga gaaagttttt aactgtgtgt 104820

ccttgctgcc caaactcacc caactgtatg cactgacaac ttccactgtt tacccaataa 104880

ttgggccaac acagaggcta tacagttaag aaggtgtgca gactgtcccc tccagaagct 104940

aagatcgac ttgaggccac ttgtccattt tatggggtgg tccccittca tgcacccatc 105000

aatgccgaga gticctatgt attccagctt ttgagatttt tgcattggct cttggctag 105060

agtcataga aaactttccc acagaactgg atgtgtccct tacaagagac cttttccat 105120

ccacatgcca agctattatg ctgcctgcca tagctgcctt tggaaatgcc acctcatcca 105180

ctgagctata ttactggact tctaccagg tctgacacc tgccaatat ttgtcaaca 105240

caaattggac tattcaatgt ttgtttgttt gtttgtttgt tttaagacag ggtctggatc 105300

tgacacccaa gctggagtg agtggcgcaa tcccagctta ctgcagctc gacctctccg 105360

gctcaagcaa tatctccga gtagctgggg actacaggca cgtgacaccg tgctcagcta 105420

atTTTTgtat tttttgtaa gatgaggttt catcgtattg cccaagctgg tctcaaaactc 105480

ccgggctcaa gcaatctacc tgtctcaacc tccaaaatg ttgagattat aggcattagt 105540

cattgcacc agctattca atgtttacta aaacctcctt ctgtctcaac cttacacct 105600

atctgactct caacattcta tatggccttt gagaagaact caaaagccag atatctcatt 105660

caataatgca gcagatatg ttctcataa cagtcccaca aggatatgta gggaaatgaa 105720

aacttttggg tttcttagtt gaaagcaaca gaaatagact ctgggcagca cagtctttgc 105780

aggaaaactg gagaaagg ctcaaaaaa cccagatac ctaggaaggc tgggcagtta 105840

gaagcccagg ccagactctg ccatacaacg agaagagtga aggcaccacg gttgtccccg 105900

ctggacatgg gtggctatgg gttatTTTtac cacctctgtg gcccttgaa atcagatgct 105960

gtacagccac tgctacagt accagaatga gttatccatg gccaatgatg tgtgtgtgtg 106020

tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg agatactgaa tccaaattta 106080

aaacacaggg gatttggcgc tgagttggca ttctagcttc caggaaagtt agggaatcaa 106140  
ctctctggcc cttaagccc ctggagtaga aggaactctc ttctctctat aaaggtgctt 106200  
attgggggta tttcctaacc ataggaaggt ggttctgagg ccacgcagcc aaacaattga 106260  
acaagcaaac aaaatgccaa gcatgagcta aatggaatga gtaacacatg gaatgtgtgc 106320  
ttccatggtt ttgaatcact taaatagaag tgtgtatata tatcatatgg tttaacaaga 106380  
ctctgtccct gctcacatca gggatatttc attgccattg ctttgttctg tttttataag 106440  
gcaaggttgg aactgaggaa accaaccat agcatgagac taggagggat gacagatatg 106500

ctgaataaca gactcaagat ttaaatTTTA aaatatttca gtagactgga tcaattgacc 106560  
aaactcagca atatgaaaag taacagcaac aagaataaca gcaactccat gccatgagct 106620  
gttttaaca attttataga ttaatatcat ttaatatcag agctactcta gaaggcagat 106680  
actgacatta accccagtcg gatggggaaa ttgagaagca gataaagaga ctgacacagc 106740  
tggttagtga catggtcacg cctggaagca ggggaagcctg actccagagc ctgtgctaac 106800  
accactgaag gtgacttacc atttcttatg tgcacaggga caggtagggga aatgcggctt 106860  
aacggcagca cataaggaaa aagaaataaa caaataaaact gtggagcgta agtcctctgg 106920

gtgatgtggc tggcaataaa agctaagtga atgtagcctc aggctgcaat aaaagaagtg 106980  
tgtagaaggg agttcataat ctagagtcta gctgcctaga tttctggctt cagtcctttc 107040  
ctctgaggaa agctagaaac acacacacac acacacacac acacacacac acacacaaat 107100  
ggggagtcca atctggagat tttaagaatg gggagagggc atcctggaag acaacttaaa 107160  
aatgaataat tgcaacaggg cgcggtggtt cagcctgta atctcagcac tttagggaggc 107220  
caaggcgggt ggatcacaag gtcaggagtt caagaccagt ctgaccaaca tggtgaaacc 107280  
ccgtctctac taaaatata aaaattagcc ggggtgtggtg gcgcactcct gtaatcccag 107340

ctactcagga ggccgaggca ggataatcac tcgaaccggg gaagtggagg ttgcaatgag 107400  
ccaagattgc gccactgcac tcagcctgg gcaacagagg gagactctgt ctcaaaaaa 107460  
aaaaaaaaa aagaataagt gcaatgtgga ggaagaatta catctatcct gcatagcatc 107520  
ataggtata tcaaagaaca taacctttgg ggagatagtt tggctcaact aaaggaagca 107580  
ttccaacag tgaaggttcc caatgtctca atggtttgca taagtaggta atgagttaca 107640  
tatcactagc aatgtacaa ccaccaccag gacatggtag caatgattca aggacctgat 107700  
ggcagagttt gttggtctag gtggcctctg tagtctctcc ctatcatgta ggagtagaat 107760

tctgttattt ctttccaaa ccaccattga tcactaaact ggatgtgact tgccttctc 107820  
atggcccaat ttaatgttc ctttggggcc cttacagtat gaagccttga gttttaatca 107880  
acagacctag tattctctgt gctgttaata ttgtcagctc tctgaaggga agccctcgtg 107940

atttgaccac ttctgtttgc ccaaccagg accttgcat aatgacaaag aaatgggttt 108000  
 gaaatgaatt tcaaatcaaa ccctgccaaa gtgtcctcta taggcttggc agtggcaagg 108060  
 taaggacatc attcttactc tgttctttac agaaccttg aatggagtta gtaataggag 108120  
 gtgactataa agtaggacag agcttaaggc cagggccaaag tgttgcat tgc aaagtat 108180  
  
 tatcaaacag cgtatgaaat gacactggac tgatcacgaa cttccaaata agagattcat 108240  
 ttaaagcctt atgtttaggc ctccacaactt aactgcccaa ggatattcaga gggcgagct 108300  
 ttacataaac aaatgaacta atgatacgtt tacaagaaa tcagaccaca ggtacaacta 108360  
 ttaaaataat caattaaaaa atgacttttg gccaggcacg ctggctcacg cctgtaatcc 108420  
 cagcactttg ggaagctgag gcgggcagat cataaggtca gaatttcgag ataagcttga 108480  
 ccaacatagt gaaaccccat ctctactaaa aatacaaaaa ttagcccgagg gtggtggcac 108540  
 gtgcctatag tctcagccac tctggaagct gaggcaggag aatcacttga acccgggaga 108600  
  
 tggaggttgc agtgagccat gaccttacca ttgcactcca gcctgggcaa cagagcaaga 108660  
 ttccatctca gaaaaaaaaa aaaaagact tttgtttata gatagtgaag agagattggg 108720  
 ttaagagcct caagagcaca gttctgttcc attaaacctt aaattaccgt gggatcttgg 108780  
 gcaagtcctg gttcctctct gggttcctga accctcatct ctaaatgaag gttgactgga 108840  
 atagctaattg attcagttaa tgactgcata catctgattc ctgagaattc tacttggtaa 108900  
 aatggagtcc tcagccctcc ttagagaaaag tagtggttcg aagtggttag actgtctgca 108960  
 ataggaaca tgatttaaga tgccacgtgg taaagcgggc agtgacaaca tggagtggaa 109020  
  
 gcagatggga gtgatgagga tggtagagg tctggaaact gtatctcatc agattagctg 109080  
 aactgtgaa tggtaggagc agcctgatat ggtgactaag cttcagcatc tgatgcttgg 109140  
 gttacaatcc cagctttatc aattaccagc tgtggaacac tagaatgcgt gatttccacc 109200  
 gcacccctct gccaccccc cataagatgc tggcgacaat cttaaagtagc tcatgagggc 109260  
 attgtgagta aatctcatat tatacagaat gttcttagta cagtgtgtga aactaacaaa 109320  
 gtgttcaata aatgcaaggt tttaactatt atcaaatacc aggttccaaa caattgcaga 109380  
 gccttcaaga aaaggaaaaa gtgaaggggg gtcaaacgt aactactggg agaaagtac 109440  
  
 cataaaggtt atttcagctc cttcttcatt aaaatggagt gcttttaatg actagagtta 109500  
 atgaatcacc tgttcacctc ctgggtttcc tgagaggtag ttagcaggct gtcattcagga 109560  
 catttaagaa gcgttaggat tattgggaaa acaaaaaacc tactgataag ggagttagat 109620  
 cagaggatct cagaagctcc cattacaagt aaaatttgag attttgtagg agctgaggat 109680  
 tgagcagtea caccagctct tctgtgtcct tctccagaga gtgaaggagg cccaggcttg 109740  
 agacacgcac caaaacaggt ggaaaactga ggatttagag tcagagcagg tttgggaagc 109800

cagcttttct tctccccaga ctcatgagct tagataagtg tcttaaattc cctctgagag 109860

tcatTTTTCT atttgtaaat agagatgaaa gtaccttctc ctcggggggt tgtacagact 109920

agatgaggta ccgagtagag cgtccggcac acagtaggat ctcaaaaagt tgtctctctc 109980

tccttctttt tccccggcaa acacagacag atattccctt tcattgcaag gtgcaggcag 110040

gagggaacgc cagcctggag caagaacaga tgacaccggc gagccgcaga tgggaaactg 110100

caggacaacc tggaaggctc aggagccttg gaaagcccag cctggctgtg attttgggtg 110160

agaaacagtt ggaaccatt cagggtctta gagagggtga ggactccgtt atttttagca 110220

tgatgccaaa tctctgtgct ttgctctggg cctgcaaaag acagaaaccc acaaggcagg 110280

tccaggactt tticagccac agtctattta tgagttaaaa ctgtcactgc tcaaaccctt 110340

tacaatccca aactacattt acctgaaaaa caaacaggaa cagtcttgaa atggagacga 110400

tttatcaaga gactaattat cttttgagct agtctggaat agtaatgagc ccctttttaa 110460

cgaaagcaaa ccgtgatga atatctcaat atggcatgct tagcaaactt tcccagtaag 110520

gtattactgc agggtaactt accacagcaa ccatacgca gaacgaacag agggaaaaaa 110580

tgcaaaggta ggaaggaggc aggcagtgtt caaaagcagt aattatctct caaatctcaa 110640

atcccaactg cctcttgaat attttaagtg gaagagggat ggatcactta aatttacgaa 110700

atcattcaaa aaaggcaggc actaataaac aattcattgc taattgggag aggcctcaat 110760

ctaaaacaaa tgitcaatgc aagatttctg gccttataat ggataagaaa gaactgctac 110820

ctgttctcat tagtccataa aactgaatcc caagtctatt tcagacaggg caagcaacce 110880

cagcacacac tgaaggetca tcgtgagcta ggccttgca taaattctca ttttatcttt 110940

acaagaatcc taggatatag atattattat taggtctatc attaccaaga agacacctga 111000

gtcttgggga gcttataatg cttattcttg gtcacatact ttgtaagtaa tggaggcaaa 111060

actctcact caaaaatat aaggetacac caaaaaaaaa aaaaaacaaa aaacaaaacc 111120

tcagtaatca aaataagtaa tactttaatg cattatttta aaaatcaaga ttagttggcc 111180

aggtacagtg gtcacatct gtaatcccag cactttggga ggccaaggca ggaagattgc 111240

ttgaggccag gattttgaga ccagccatga gctgcgatca caaactgca ctccagagtg 111300

agactctgtc tctaaaaaag taaataaata atgaagatta gtggggaaaa aatctatgat 111360

gagcaaaaga caaaattttc aatcaagaca gaatccagcc gtgcacttac aggccttgga 111420

cttactctct tcacctcat cctggccccg ctgctgggca ctattgcttc caagaatgaa 111480

taactgttcc aagcctctag catgatgaaa actgaacttt ccagaatgag tttatgggta 111540

aaacattgcc agcaatccga ggcagggttag gtgtgaagca atttgagctg ctatgcctat 111600  
 ccttgcttcc tccacccttg ctcttattga gaagaataaa gatgcatcga tagcaggagc 111660  
 tctaccctaa attctcactg tttgctctca ctgatggagc ctaatggagg ctgaaatgag 111720  
 atctctacgt gtcttaaaact aagaccaggg aggagcctcc cctaccacac tggttgccat 111780  
 gcgaggatgat catcatagta aggacaaagc cgggctccag gccatcttct tcaagagagc 111840  
 tgaatgtgga gagctaactt taatttgtga aaatcatcct agtgcagagg accatgtcag 111900  
 gaggatttct ggcaataaag ggggtgtggag tttaggaagt gaaagctttt tttcacctgc 111960

agcaaccagg aaatcttgag aataaacccc tgctcattca caaatattgt ttgaggagca 112020  
 ctgttgccca gaaaacacag aataagacct tggctactgt ctactgcagt ctttaaagct 112080  
 gtttaaagct gttatatca acttcctaga ttcagctctt caattggctt aataaggata 112140  
 gagagagaga gagagaggta cgaagatcag aaattggcct ccataagaaa tagcatcatt 112200  
 agtctctctc atacttttga gtttcttct cctttccctc tcttctctct cacattcctc 112260  
 tcacttaata tcccgatgta ccagatttct tgattgagca gaaacctcga ccatacagac 112320  
 tgtgagagaa atgctttgtc tcaataagaa tccctgaact ctgcaaccgt ctcatgacta 112380

attaaccaa ataacaatga aattttgcct ccagttcaaa caatgtgcat tattcacaag 112440  
 agcttagaat ttaaaattgc ccccttttaa gttaaataaa ctgtccaatg gtaagtgaac 112500  
 gtcagtttac aaaacacttt gtcttacttt ccaactgagtt acttaatact ccctcccata 112560  
 atccatttgc attgattcct tcttcatcaa ctgtctacgc attccaacac agctcagagc 112620  
 tgcaaagaac ttcatgtctg aatcaccagg gaggcaactg tactcactta agacaaaaaa 112680  
 cacaataaag tagccactta aaacagtact tatttcttta atggagtttt cctcttaatt 112740  
 ataatatagc attagtttct ttttgcattc tctctctgaa ctttcatgac actatcaaac 112800

aggagcaaat ataaatttgt gtagcctgga atatgcaatt taatcataag ccataatttc 112860  
 catatcgctg agaagaaaaa aaatcaaatg attatactcc agtgcacgag gaacaatctt 112920  
 gaattaaatt ttactctctg ctaaagttag gtttttcaca acaatatcaa gaatggttta 112980  
 aaagaaacag taaaacattt actgtatata taaaattcca tgcccaaag tgtttaccga 113040  
 agatcaaact gctattcctt tttgcaaatt agaagtgtct tgcagacatc ttcaaacct 113100  
 catgaaagaa cgggcaatgg tgtcacggtg gtctcactga tatttttctt ctttatccat 113160  
 tcccttccac ttggagtcag aaatgatgct ctttttgcca gaaaaaatc cagaaaaatc 113220

tcccagatca ctgtctcagt gagagctgac ctgttttata ctgcagccca gccccaccc 113280  
 cggctgctgc tcaatgtcaa gttacaggat ttcccaactt tctagtaaac tccaagggtg 113340  
 gaagaagatg ctgaaggtaa caggatccac ccactagaga gatgctaata ctgaccaact 113400

gctcgagcag tagcttgaac cacagctaga ttgaattcgg tctctcctga gagggccaga 113460  
 caaggcttgt aagtaacaaa accgcttttc atgatgcctt caaaagcaga tgggtccat 113520  
 gcagacagtt ggagaagggt gccattgcc tctagtggcc agaagtcaa tcttccgca 113580  
 aggagtccat ttccagagtt gtacaaggct ctcaatgtca gggtaaaatt atagcagaaa 113640

gatgtctaata tatgtctctc gagtgttttc tttagtctt cctgtcata ggggaggctg 113700  
 cggatggcta tcacaggaat cctgatggaa cagctcattt ttaactccta ccagtgcacc 113760  
 aggatgtgtc caattttctc caactttatt tttcttttc tttagcagac ctgttgatgt 113820  
 ttttccccct aatcaattaa atcacaaatt tatatagacc aactactttt atatatttca 113880  
 gaggcaataa ctttaaatga aaaaggctga aaactcaca tttcttgtaa gtgcagaata 113940  
 gggattcttg acaaattagg taacttttta tgaacagca gccaattcca taaggagaa 114000  
 aatcatccca aacacatttc aatcccttaa atcattggct agtgaattta tacagtgtct 114060

aaattttcta ggaaaaaaaa acttgaaagt tcatagtcatt tcttcaaatt tgacaattca 114120  
 agaaaaaag tttgatacct actttcaaac tctatatatt ccactgtttt attattattg 114180  
 aatgagtaag tatgcctgtc atcaaagtga aaacatcaat attgaaagta aattccaatg 114240  
 aaattgttat gtttctccaa catctacctata catacatgta ttgagaatga aggaagacta 114300  
 aaatcagatt tgaagatctt gtttagatgg tttctgaaaac agatttgaat ataagagatc 114360  
 aaagtttacc aacttcataa gttaccactt cataagtcac aggcatcac aggcaagggt 114420  
 ccaggacatg ctatgtctct gggagcgcag tactggcatt gtaaatcaga ccacagggtc 114480

aatgtcatgg cgtttcccat atgagggtcc ccaaaccaga atctttacaa agcagccatg 114540  
 taattctatt caaaggagaa gaaaaacat gaattatgaa gacaagtga ttaaaagagc 114600  
 atgaaattga tccgtattcc cccaaatcat ggcgtggctc tccaagtctg tcccctgcc 114660  
 cctctccca caaataaaca atcaaacatg cacatccaca gccaccactc tacagaggga 114720  
 acatgagttc taagacataa aaaaaattgc gccataacta tttttttta attttcaat 114780  
 taacaaaaga ttgcatctta attgaaaata gaatttaggt ttctagtaat tttactgtct 114840  
 ggtgttctga taagaatgct gaacgtaatg aaagttctga agtgcattca agatggtcca 114900

ctgcttcagt tagaactatt ttaaaagctt attttcttag gcagcaataa gcagccattt 114960  
 gaataaatct acatgtctgg ggctcgccag attatccagt ctcaatcctt ccaaggcctg 115020  
 ccttcattcc ccttttccca ggggtgagga ggggtggtta ttttttcaa caatgtcata 115080  
 aaatgcccag tttatgcaga ctctgaagta acaactaaaa tgatagtaat aatttttatt 115140  
 aataatagt catgcctgca agacatttta atgtcttaat ttacaatgtt tcaaaagtaa 115200  
 gatgtaaga taatccttac tcaagcaaag tttcctggcc tttcagatgc ctttccctgg 115260

tctctactga aaagcactca cattcctttt gtactaggct ggatttcagt ttttcacaga 115320

ggttcgaatt ccagagccca ctggccaact ctaaaacttg gaatcagaga ttacatttaa 115380

ggaacttcag tagctggagc ctcagagtgc ttctcgtatt ggccacaact ctgtcccttt 115440

gttttgtaac ttttttctt ttgtcctatt ggaagaagac caggctccct gcagctaggg 115500

ttgggcagtt aatatttctg ttctgggtgc tgcacctacg tatttgtagg aaaaacaatt 115560

ccaggattaa cgaaaagaag gtcagtccct tctcttctct gccaacatat taggtcttag 115620

cgctcagagc ccagcctggc aaatgtgctc atgcgatgct acaggatcct cgctcctgag 115680

aacacatctg catccccatc cccaggaaat ccagacaccc cgcaaaacca tcgacgtctg 115740

ctgcaagccc aagtgatgag gaaattgac cgctccttag ccagattaat tatggtagcc 115800

tcctgtgat taaaacgaaa acttactgcc tcatattaaa ccgatagcca tgattagaag 115860

aagaaaaataa gaaaagattt cagagcgatc gtagcacgat ttctttaggg ggagacgaag 115920

ggggaagact ttagtgaaat ctataccctc atacagccgg gtttcaagaa caacccccca 115980

ctcccatccc ttagggataa cccgtcgtca ggcagggatg gtattaaata attaaaagat 116040

gcgatttctt aatagcagtg tgatggccca tgaattcct actgcattat cagcaaaagc 116100

aacagggtt ctctagcac ctagaaaacc ttccaccgg gagaggcagg cgcgcgagc 116160

ccccggcgaa agcagggcct cggcaaaaaa acggacaagg aagccggacc cgcaagcctc 116220

ccccgacccc actttctctg gggactccgc ttcacagcgt gaggcgggcc ctctacagt 116280

tcctctgggt tggggagggg ggagaaggga gctctcctcg ccgtcctccc catctggcca 116340

gttctcagt gttccacc tcccggctcg cgttccggg cagagcgag ggaggaggc 116400

cgtcgtgcc gggagctaga gaggttggc gcgtccgag aagcggcgca ggtttcgga 116460

aggtgtggt ctcaaagta acgttgacc tggcagctt cgccaatccc aagccagagg 116520

cgagcccag tctgggcgc tcatggacct actcctgcgc tggtagggc ttacaaacgg 116580

gcgccagagc tcccgcagag actcgggctg gagggctgta gcgcaccgca gcctgtgcc 116640

ccagaaccac agtcggcgcc cccaaacca cgtattaaa gtgcgggcaa tctcttccg 116700

gagctgggt ctttccgtt tcccgggtt acccggcagt ctgactgca gggactaagc 116760

cccggggagc tttcggcagg gatccgggag gatggagtaa gaaccccgca gagcgcggtc 116820

atgtcgcgc tttggggaag cggcgagggt ctggcgggca ccgcgccgtg ggcgacttcc 116880

cccagagata tgaccgggga cagtcggcgt gtccggagg ctgctctgca gtctcttgc 116940

ccagccaggt acaaaccccc tctgtgtgg cctcggcgca gacccacag gagccggag 117000

ccaggagag tcgtggagcg cacatctgaa gcctccgtcc cctgctttgc ccgcgccac 117060  
agctggctcc ctctccctt tctgattttt aaacaaatct ctccctccct tttgctttgc 117120  
gttagtgaag cttctcgcac tcagatacca ccgtccccc caccaccccg ccccgccaag 117180  
acattctctt ccigagaaaa tcctgcccc cattccaaga agccccaacc aggcgagagg 117240  
aagggactgg cggcgcacct cactggggc ccttgagggt ggacgcaacc tccgagccgc 117300  
cagtccttgg cgcagggcaa gcgctgcggt gtcagtcctg gccccagtc cggteccatt 117360  
cacaagtcag cggcggctgc gagcggcccc cgcggcatct gctcctcggc ccgcgacgt 117420

ccctcagct ggcgggcgcc gcggaatgag ccgccgagcg cgctagtggc aggaatgaga 117480  
aacggggggg aggtggcggg cgggcaggcg ggtgcggggc gggggggcg ggaggaggga 117540  
ggctgccgt gtgagggaag gaaagggcg ggctgagag aagccgagcg tgcgagagcg 117600  
agcgagatgg gcctcgaga ggctcgggg gccgaccccg tccgcgccc tccccccag 117660  
ggcccagaga tgtaacccc tggattctg gccgcccctc ccgcccctg gcgcggcgt 117720  
ccgactccct cagggtcag atggagtctg gagcgactga agttgggctc cagggacgca 117780  
cagccaatca gggagggcg cggagggaag ctggagagg gttgggagcc cccattttcc 117840

tccttcccc aaatccgtc cagctggcca ggctgggctc tcgctggcg ggccgggatg 117900  
gtggttgggg gaaggtatcg tccaagttag ggaagcaatt gggaattcgg gagcgcttc 117960  
tattctttct cactccacca cccaccttc caaaaatccc tcaacgttgg cggctcctgc 118020  
ccagccccc cccctctcaa tctccatcc cttgcaaact cttctggtgg ctctggtggt 118080  
gaagtcgggc ggggaggag acttaggact tgggaagagc ccagtctccg ttctctctca 118140  
gtctctctct cgictagtgc cccccacgca acgctcggg gaggggtgcg cggggagcgc 118200  
ttcgccgggg tcggcctgc tccagctttt gggagggtgc cttggcccct accccagcca 118260

ggtatcagtg gccccgcg gtagtgteac ttgttgccac tcctcgtca cagaccgccc 118320  
agggcccggt ggagtgtgcg tttctacggg agaaagggcc taatggggcg cagcgccgga 118380  
gtcttagctc ctctctccg tgttcccctc actgacgact cgctaccgtg aggggtcccc 118440  
gggctgctt cctgcccctc ctccccgagt cgcggggaga aagggtggc agggccgggg 118500  
cttaggaatc acgccaagga ctgggcgggg cgctcgcggt accgggaacg gcgtggggat 118560  
ccgcacacc agcagggaac aaccatgcct gtgtggggac ccctggcttg aacaagtttg 118620  
cagggtggga ggtggaggca agagaggagg cggaggaagg tggagacgc agtgggtgaa 118680

ggctaaaaag gaaccgccta gggggacggg gatgaggctg ggaaaggaga agagatggac 118740  
ccgcgaaaa gacggggaag gaggtgcgg agggaaagct gggcgccaca gccaagcagt 118800  
ttgaaagggc tagaggggag gagacgggcc caggagttaa cggaaaaaga ggccgaaaac 118860

ggaagagaaa gcttgggata ctgagcgcat ggggaaggaa cccagtgcg gggctaaggc 118920  
aagagcggcc gagccctgcc ctccagctcc tggtcaccag cccgcggtc ccgagcgccc 118980  
gcagccgccc gggtttccac acggcttggg gagacgcccg cggggcgggg tgccgcgag 119040  
gctgccccgg gacctacctt cttcgccctg cgcgcccgcg ttttcttga cgactccagg 119100

atccgggtgg cgtcgcgtgc ctgccccag tccgcgtcct gcgcggagag gatgcctctg 119160  
tcacctctg tgtggacgtg gcctttgaac tctcatctc tccactgcgg gggaagagct 119220  
glaagtttcc agctgcccgg ttatcttact cctcagcctt cccccacca taggtgtcca 119280  
aggtgatagc cccctgggtc tccagtaacc ccccaacctc gcaccacact ctgcgcaagg 119340  
gacgcgcgag gacattgact cccggtgctt tctgtagag cgccagagag cagatcgtgg 119400  
tgctgccac tctgcctcc cctgtgggt ccttgccct gaacctttc agagctctac 119460  
cctgcttct ctgtctgct ttttggctc tctgttaacc cctaaaactt tgggtacttc 119520

ccaagccacc gccgaaagtc cccactctaa tgaggcatgg tgatggtaat aggatgatct 119580  
ggtggcgta tttcagctta taaatgaagt tacttacaca ggagaggatg gacaaggggt 119640  
ccggctttcc ctcagagcta ctgagtttt gctcttgtt ggctacaaac tattgcctgg 119700  
atcttctcaa ccttccacg tggctctaga gggagtgtga agtcacgac aatctgatca 119760  
tacatatatt atacaaagat gcccgggata tgtaatgatt aggacatctc ttgatccatg 119820  
aagcaagttt cataaactcc cttttggaag cgtgtccaaa gatgaacctg gccacatgct 119880  
agctgacatt agctggactt tgacctctc tctctgttca gcatttatcg aatcacaaca 119940

gttgttttta tagaccatcc ctttagtaat gggtgcatca gccgatttta aaaagtaagt 120000  
taaaaactgc ttgataagtt tccactgaca ctacacacct gaatcagatg gaacctagt 120060  
tatagcagca gtcaataacc ctttgacaaa cccagcaagt taggattcta ctcaagagaa 120120  
caggaaacat gttcacacaa aaacacacac cagaatgttc atagcagcct tatattataat 120180  
agccaaaatc tggaacaac acaaatagc atcaactggg gagcagataa acaaaagaaa 120240  
caacataaat acccatcagc tggtagtag ataaagaaaa cagggtgtat ccataccatg 120300  
gaatattgtt cagcaataaa aggggaagaa atactgatgt ttgtacatc acgaatgaac 120360

ttcaaaaaca tatgtgaaa gccaaatgaa aaacaacata ttgtatgatt ttcatttata 120420  
tgaaatggcc atttatatga actggaagg caaacttata gaaacataaa gccgtggttg 120480  
cccagggtc aggatttgaa caggaattga ctgcaaatag aacttgaggg aattctgttg 120540  
ggcaatcaaa atgctctaaa actagatagt tgtgatgatt gcacaaatct ataaatttac 120600  
taaaatcatt gaattgtaac caagaaagaa aaaaaatcc tttcatatct ttattcccag 120660  
aatactgtg acctgcagct aatccacaag aggaaacttg gcaaagcagt ttcagagaaa 120720

aatatgttaa aaaaagattt ttagttctta tggaaagata accatatttc tattcagcaa 120780

gttctatttt ggctgctgct ttggagaacc ttataagttt taaagaaagt taattccccc 120840

ctttcactct tctaagtgat taattcctgg gaactagagt taggcattcc agttcgtgac 120900

attttaaca cacctactca tagacacagt acaaagtga catttcagag gggatttttt 120960

tatgactgtg ttaggatctg tcttagaaat ccttatcaag cacttgggtg gagtattgtg 121020

tgattacagt ttagatttaa aaaagtaaaa gaatagaaaa aaaaaaaaaa aagaaccac 121080

tgacagctta aatcgaaaga ttcagttcag ccagccagcc agaagtttgg gtgtttatct 121140

taacttgcct cacctttcct tcacctgtt cttcttcaag ggaggaagcc agccttcacg 121200

gttgctctgg agccaggatt aaacagcccc tctgcttcc tgcgggttcc aatccagaga 121260

gatatgagcg ccaaatgggc cttttcttgi ctttgcctt gcctgcacga ggctgttaat 121320

ttcctgtcag ttctttcctc aaaggtacca ggctgtcatt cctttgatgc gcctctctc 121380

agactctgaa galagccaga ccctgctgag tcagttcctt gtttagactt agaagttcca 121440

ggctccccag gtctttctca agcttctgc tctagaggca tcctttggta aatggtgtaa 121500

agagtgatgc aagatccaag cggggcgcta gtttcatcac attgcagtgg gctccaacca 121560

cgccttcccc aggcagagga ggaagttaag aaagatggaa tgggaatacc atttctgaat 121620

cagacacttc aggaagatat tcccacagct ggatctttag agcaaggtgg gaggaccaca 121680

ggcctttgat ctgtctgatt cctggctctg ccactcctta gcgccataac tttggctaaa 121740

gactttatct ccttgagata tgctttccaa atctatacaa tgggcattac tatctgtgcc 121800

tagattgtgg tggggattca acatgtcac atacctagag ccaaaagcac taagcttga 121860

gcataggctt cataagtga agttattaat tactattatt aattatgagg cctgattatt 121920

atcacatttt aaatgacctg agcaagaaaa gagacatgct acaattgtga attataataa 121980

ttatagagat taatcttate ttagaactg 122009

<210> 8

<211> 19015

<212> DNA

<213> Homo sapiens

<400> 8

cttttagaaa acacttgagt agttctttcc aaaattgggtg gagattctgc tatctctcac 60

gtgatgatca tgacacctgg attaggagtt ggactccaga tgagatctat gactgttggg 120

ttccctggga tggggttggt tttgtgtgtg tgggttgtgg ggggaggtgt gtgtgtgtgt 180

gtgtgtgtgt gtgtgtgtgt gggggaggtt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 240

gggggagggtg tgtgtgtgtg tgtgtgtgag acagagagag agagaatgtg tgtacatatg 300  
 caggagggtgc tctggaaggg tctcacctaa caaacagcc ttcactttta gcccacaatt 360  
  
 acagtctgca tgcaatagtt attgcaaggt tgactttaaa gacatcctca tacactctag 420  
 atagctctct tctacttagc catttcagag cacagattag gaaaagcttt gctgaagtcc 480  
 ctttggttgg atatgttctc tgcttgggga aaccatggcc actatgaata gaacctgtt 540  
 tgctgtctgt tgtcactctc caatagtatc tccagggcta agacactatt gtagagagtt 600  
 gacatgtctt ctcttctctc gtgatgtctc gacctgtga gagcaattgg tgcaggtatc 660  
 ccagggcctg agttagacca ggatccatct catctctggg tagttaacct gggtcctctg 720  
 ccctctcccc ctgcaggggt agtgagtgtc aacactcttt ctgccctacc atgcctggcc 780  
  
 actgggagta taactgattt cttctcttta tcctatccct tctggaataa ctaaaagatt 840  
 tcaaaaagaa ctcaaaactg agacacagta aacacgcaca caaatgtgg catttacaat 900  
 tttagattat tagactgttg aatctctgtg tggccaaaga cctgtacagg gggttttga 960  
 ggggtcacag ggggccagga gtcagagggg atggtttctc aaccaagag acaggagatc 1020  
 aaacctaag gagaagaaaa gccaaagatg atgttagaaa aaaagaacaa aaacagaagg 1080  
 gagcctggga ggggcccata ctaaggcgtc tagaacgaga tatcaaat agagcttgag 1140  
 tagggcttaa agagccagaa gtaaaactaa agcatctcaa tctgtagcat ctgcacaaaa 1200  
  
 gttaacctgg ctggcacagt tttggggagt acaatgcttt tccttggctt caggagaccc 1260  
 cctttccaa ctcttttgac cttcaaat cgattgcaga atcaatgtt attgattatt 1320  
 gtgtttcat tgggacacag cgcagacacg cacaatcag ccagctcttc cctgactatg 1380  
 gtggtggcct agtccatctg ggctgctata acaaaatacc ttaactggg tggctcataa 1440  
 acaacagaaa tgtgtttccc acagtcttg agactgggaa gtccgagatc aaggaaccgg 1500  
 cagattcggt gtctggtgag ggccatttc ctggttcaca gatggtgatt tacacgatgg 1560  
 agggggcaag gcagcctttt ttatgaggct cccctccat gacctataa agtcccaaag 1620  
  
 tccccacctt attacacat cacatttgtg attaaattc aacatattaa tctggggaag 1680  
 acacaaacat tcagaccata gccgttggc aagggtgaa tcccccttg cgacagccc 1740  
 aggggattga gaacatttg aaaggagaa ctggagtga caagccatgt tgaagggtga 1800  
 gtgagtcccc agaagccata gtctgggag tagcatgatg gcagtggaca ggcacacaaa 1860  
 caggaagaaa ctggcaggtc tttccggtgg tgacgtgaaa ctcaaagcca ttggaaggat 1920  
 ggccgtgtgt tctgaaaatg aatcaccagg gagaaaggag cctcttcac ccagacatac 1980

aagatacatc tcacctaccc aattatggcc aatatttggg agccaggatt tatgattcag 2040

agtcagtttt ctttttcttt tttttttttt ttttgtgggg gagaagtcac ggtgattttg 2100

aaccttggag gaaaagaata aagccattat ggagaaagct ggggtgatga gtggattata 2160

agcctgcatg gtggcctggg tggggctgtc acccccttaa ttagagtcac agattgctca 2220

tgctcaaat atcttgagta ggaaaggaag gagcaaaaat ggaatgagaa taataataat 2280

aataataata ataataaaga atttgctgat atcaaatgtt ttctccttgg ttctgcttg 2340

cccaggctcg agtgggtcag cttataatta gtctctgctt gcagaagtgt ggttccaaag 2400

acttgaggat taaagacaaa ctctagaatt tctcagtacc tgacaagctg taacatgaaa 2460

agctacactt agtccattaa agatttttca cagtgcactt tgagtgcagc ttcagaaata 2520

tgccaccttg ccatattatc ttttcagggc acgggtgtcg gaaaggagtt tgctatgaag 2580

aacaaaacaa aatggattgc atgtgtagag gtgagctggc gaatactgat aaatgtactt 2640

cactgaatgt cagcaaatgt cacttgagaa gccatttga gctaccataa cagcctccca 2700

aaccaacaa agagtagcaa aaacgggcaa aatgaactgg gcgtcttgct tccgcatgaa 2760

taagcaatca gccctctcag aagttacacc agaaagtgt taaacttgat agaagaagct 2820

tttccaacca tactgatgca tactatagat tgctgcagag ggctggagac cttctgagga 2880

cgtcagcgt gtgactctgg gcagaacttc acaaccctt ctcttcagg taggtgcctt 2940

ccttttgtat gtgcagccac tggctgtctc tgagacatat tttctgggtt tccccacac 3000

agcttgctgc ttttctgtg tctacagacc cctctactcc ctaccactc ctaatctacc 3060

ctcccttga gtgtaatctg ggagtggctg cagatgtgac gtgggatgca gtcctcacat 3120

gccatataaa gagaagacc aacagaaaca ccttgagcc aaaatttcag tctctcactc 3180

aagaaaagaa ttttcaatgt gtctcctggt taatgtgaaa attggagtaa tggactcagc 3240

ttctggttca ttcttggtgc cctggccaaa actttccctc tatgtgattt aggatttctg 3300

gaagatgggg ccaagtgttc ttcagaattc agcttgggtt gagatgttcc cttcttctc 3360

ctcagcttgg tgagtctcca gactttctg cagagaagta aatgggaaag aagatcatat 3420

tctcagaaaa gctctccatg gaatgtgaga ttaattaaaa taaaattcca gccctcttc 3480

atthtcta atcttgggggc tctctctct ctttaacaca tacgaggtca tccaatactt 3540

ttttctctc tcataccaag agactttaac agagtagcct gaatttgtct ggccttgtga 3600

aataatccac acacacacgc acgcacgcac gcacgcacgc acattgcca tacaactga 3660

ggtcagttag gctttcattg gtgcaatgct gtggtatagg gctcagatc aagaagccct 3720

ttgttgaatg tacatctcag actctgtccc tgaatgtgct aatggacaca ctccctctt 3780  
 cacactgttc tgccatatgt ttagcctgtg tacattggaa atgaacacat tttacaacca 3840  
 ggaaaagatg ggctcttggg aaagtgtgct tccctcagat gaactcggag ggatggtgca 3900  
 ggaaggaggg attggaagct agctcctctt cagccacact ccttgcagag ttcttaattc 3960  
 ttggtgtttc ctctttttaa attaggtgct tcccatggaa gggcctttac ttgggtctcg 4020  
 ggaactcaca agccatctgc ttattactga aatigaattg cctcaactt gttagctttc 4080  
 atgtcaacaa gtttagttta ggaagaaacg gtggcatgtt taggagagag aaaaggagaa 4140  
  
 gatgaaagcc agatctctgg atcagaggtg gaggtgaggg aaaagtggaa gagatcctcc 4200  
 agagagaatg agatgtgaaa tgttccgctt gaggcaggac ccataataca gcctggcagc 4260  
 actttactca gtttaaggcac tttccgaaga gcaaatctct gctgtgtccc agcgtggaat 4320  
 gtatgtccca gacccaaaaa gctactaaag cataaaaaaga cattctaaag aaaagacaat 4380  
 atgggtgcag atttctcatt gtgccagtat tctttatctt cttagtgtct gtaattttaa 4440  
 aatttgtatc ttaaagctca agctaataag catctgttcc ctgggtgtgaa aagaaactgt 4500  
 tcataattga ttaatatcac acgcactctg taattgcttg aggctagagc tatgtaaaaa 4560  
  
 cctaccttcc cattgttttg tctttaaaga acaaaaacaa aaactgtgtc gtatagacaa 4620  
 gggtagccaa tattgtctct ttcagtgaga aaaagcaaag ctgatttggg tgagctactt 4680  
 taccactaa ttagtggcag tagcagggtt ccttgttttt aatccagaag ctgtttacag 4740  
 tggattcttc tctgctctat ttaaaaacct aacaaggccc cttaacat tttgcattct 4800  
 gggatgtttc aaacaaaatg ttaaatgtct accacaagaa gaagatttgt ttaaaataca 4860  
 aaactgctta gaattgcagt aatccctca tcttgcaag aatgtaaaca ggacatcagt 4920  
 ttaggaaca ttgcccag gaaaagtctc ctctgagcaa gaaacttcac ccactgcatg 4980  
  
 ggagcaatgg gcatcattta atcagctcta gacattccca gtttcaaact gagttccct 5040  
 gtccttgaag gattggaaag atacattaaa gtgggagata aataagcaaa tttcaggtta 5100  
 aactgcaga caggccatcc taaggagaaa tgttttagagg aatttattat cagacttcca 5160  
 cataacttca ctacgtatt cattcattca agtaggcact tttaatgcc taccttatgt 5220  
 cagacctgac ataatatctt acctagatag caagtttctg tagaagtcac actctttgcc 5280  
 atctagaatc acactcttta tggctcagct caaaccccat ctcttcttc taaggtttct 5340  
 ccatgcttc ctgtgtgct tccaaccaag acaccataa agcagcattg ttctgtgctg 5400  
  
 tcctgaactg ggtacatctt tctccacaac aagtgttagt tccttgaaaa aagggtctct 5460  
 atcttatctc tgcatcactg agatagtctt tctagtctg ctctttaaaa tgagatttaa 5520  
 ggcaactgaaa actgggttat ctctactca cgtagagatc taaaccactt tgggtggaat 5580

acatgggaag cagccttctc ctcccttggt actgatagtg tctggattca gcattcaatg 5640  
 aaggttgtag caacgatgta ggttggggag gaagtggatg agtccatccg gataatctgg 5700  
 gtgtcatgca ggcaacatca gactgggttaa ttggaggaa taggagctga attatccaaa 5760  
 caattgtgta gatgcagcct ctgctggcag agccattttc cccacctctg tatcaaatat 5820  
  
 gcttttagaga tttgggagtt gacaccgcat ccagatatag tgggagagaa atggagaaca 5880  
 ttcacatttt gctctgcagt tgccagactt gaggaatcca agcttctttc ctactacagt 5940  
 aacttatact atttcgcagt gggaagagtt tgggttagga atcattctat ctccctctc 6000  
 ttgtttctgc ctaggtggtc acaggggaga gaatacctag cccaccaac cccacacagc 6060  
 caattttgct attgaaatct aagattttgc atgagatccg cacatgttaa tgacttttga 6120  
 tgaagagatt ttcttttta aatcagggat tcagaaattc ccttccttcc ttgtgacgcc 6180  
 tattattttc atgtgggcct ttcagggaag aatctttaa attttcaatc ttttaaagca 6240  
  
 gagtcccca agcaggcaga atacatcctg tcagagccaa atgtcaggcc agaagaacct 6300  
 gtgcttcgag tcaattggca aatgcgcaga gtttaacaag ctctattttt tcccttaaaa 6360  
 atacacaaaa ctcaactaac ataattcata gtaacacttt cttatttcaa atatttcatt 6420  
 tcagttcctt aaaatgtatt tgtttccctg cccagttggg tggggggggg gggaaatctg 6480  
 cttaattttt aagaagaaaa atataaagt tctaaaagta aggatagctg aaaagttttt 6540  
 tccctcttta aattgagatt cagaaaaaat aaatttctat attcatttac ttctgttgtg 6600  
 agagcagaaa tgccaccttt gttcaaagaa agtttttgaa atgatacaaa tctacatgtg 6660  
  
 catgtttcta gaattaatac ccatagttc actgtagcgg tgggattttc tactagggga 6720  
 atccgcattg ggagaaglat cccgccttg ggagcattta aggaaatttt aatatccaaa 6780  
 caaaagcagt attacatca ctaccactc cctcccttcg aggaaaaaca attaataatt 6840  
 tgcatatgct catgacacaa attaaagaca aaggccact cacaggctgt gggcactaca 6900  
 tagccctccg caggctgcag agtcccagcg ccgaacggtt ctagcttccg aatgaatagc 6960  
 attaagctgc accactaaag cgaggtgttc tgggccctct ggccattcc cacaatagaa 7020  
 tcgagtttcc ccaatcagaa acatctccca atctttccgt aagcttttag gggggaaaaa 7080  
  
 aagaacatac agttccaagg ggggaaaaat acatatatac tttgcccttt ttattttaat 7140  
 agccaaacat gtaatgtag ctaaaatagaa attcttgtct gttaataggt tccttttagtt 7200  
 tgtaataaat aggaatgcta atgagtaaaa ttgggtattt ggtatgcatt agcttttgtg 7260  
 agcttttctt tacagtcctc attgacatgc aatatggcaa gcttcctttg aaacataatt 7320  
 ataaaataac cacagtataa ttaaaccaac aaagccacct ttttaagtaag cttaatagca 7380  
 caggtttttt tcacctcggg aaaatttact ttaaaaaaga aaaatagtta tgcctcaatc 7440

ccactgtata ttttattctg tgcactcaat atttcctttg catctacaat ctatgcatat 7500

ctaattcttt ttgacaacta tgattattaa taaagtgcct gtgaaagata tgcttcatag 7560

cttcttcaac aagaatgatg tttttttgtt aatggaaatt gtaacatac ttgacagata 7620

caatatatga tigtcttttt tcttaattgt taatatgtct atgctgcata cacaaggagc 7680

agatcaacag atatggcagg taataatcag agtggatgcc attttacaca atgtaactaa 7740

aaatatttta atgatataaa agcaatagat acataaaagc aattatgttt aattttgctt 7800

ttggtgtgcc ggcaactttt ggtttgttgc gctgttgcca gtgcgcttag cagagtagga 7860

agctcgaagc gcaaagcaac cggaccgagg cagctctgcc ttcttgcagc ccaagggtcc 7920

tgcaagccgc tctttctctc tgcgcagctt cagcgatcca ggcgcgagg gcccggtga 7980

atgctaattt gggatacaca ggagcgcaag ttaccgagt tttccgagt ttgcaaac 8040

cttttccctc tcccatgcc tgcgggttta agaccagcg atttccaaa aagaaaaact 8100

caaaagatgc caggcgccgg gctggagtca cttagagcca gctctggctg ctctccgcc 8160

tccccgacc ccggccgccc ctccgccctg cccctcgcgc ctgaccct tctccgaaa 8220

ctcgtctctc tccgcccagg ggctgccttg cccccaacc acccccgcg tggagaataa 8280

acacagtga catcactctt ataacttta tttaaaactg tttccaaggt tacaattgc 8340

cgagcctcgt atgcaacagg ttcctccaaa gcggtatcat tacagattaa ctgtaatgtg 8400

taggattaga ataaaagcat aagggttag gtaaaaggc gacgtccag acataacgcc 8460

cgagcgatc tgcactagt cagcctagg agactgcga ggcgagggt gtcggggcgc 8520

cacggggcgc caaagccgga ctcggttct cgcctccgg cctggcccc ggccccagag 8580

cggtcgggac agcgcgccg gaaggccaac gcggccgaag gtttcggagc caggcttccc 8640

gggctcagg ggctagggac gggctccccg agctggggaa gatgaggggc cgagaggccg 8700

tggaggcgga ggacggggc aagccacggc ccggctggga gcttcgggaa gcgcccgcgc 8760

cgggacgcgg tctccgggcg gggcgaagcg cagggaaggc ggcgaggggg tccccacac 8820

cgcacggggc accgggtttg tccatgtggg tgacactgcc ttcaaggccc aggcccgatg 8880

gggcccttcc tggcgtctc ctacccccca ctccgcccgc cctccctgt ccagctgggg 8940

ctggggacag cggcaggggc tgggcagccg cgcaggccgc ccgaccctt ccgagcccag 9000

gcctcgggccc ttcgcccgc gccagggcg tgcgacctat tggaccacct tcccccggc 9060

cttcgcctgc cctctcgcg ccaggaaggc cctggagctc cctctcccc tcacaccgt 9120

tcctcggggg ccagggtctg ccgtgctggc ccatttggga ctcaggcctg acctgggcca 9180

cggcctcagg ccgtcgacgc agccccgagg gctgtttgcg tgttggggtg gagggcgagg 9240  
 ggctggaaaa acaaacaggg cgggggagcg gaggtttggg gtgggggagg cagggggctg 9300  
 gaaggaagtg cgcagtgtgg cgagagcgcg aacaaagccc tctccggagc cccgtcacc 9360  
 ctgggtgacc ccaggcccg cccgtcgagc cgcggggctc cggggcctcg cctccgagca 9420  
 ggccgcaccg cccggtgggc gcacgtcagg cctccgagcg cgggggggag agtgctcccc 9480  
 tcggtccccg caggccgagc cgcggggagg cccgaaggc gcgagggaca gcgaggccgg 9540  
 cgggtggagc tctctcaggc acggagccca cagagcgagg ctgaggagga ctccatgctg 9600  
  
 ttgtccgtcg ggaaccgga ctactctggg gcgcgctgga gccaccattc tgccagcagc 9660  
 cggggagggg cgcgagggc tccaagtgg acggaagtag gcgaccaact tcgcccgcac 9720  
 tcctgcttcc tagagaaggg ccttggctga ggaggcgagg ggaggggact gttgcaaca 9780  
 gctgttctc atacatattt cattacacaa tcagataatg cgtcccacca ctttctcaat 9840  
 tattcacaga taaacatttt caagacgttt tgacatctgt cttagtgcct gctattaatt 9900  
 tagtaatcac ttagttaaa aatgtatggg atttttccg tcggagcacc tcgtatccgg 9960  
 cgcgggggag cagtgtggga ctgcggctgg gagccggggc cctccgggag tgaagatacc 10020  
  
 tttggagggt agacggcctc tctagcgctg tgacactgtt gatggaaggg attaaagggg 10080  
 tatcaggtta ttttaattta ttgttgaaga tgatgactgc cccctccccg atccgcatac 10140  
 cgctctcact tcccccccc aacctagac ccgacaacac cgttcagccc tttgccccgg 10200  
 gcagcggaat tggttagctt cctctaggag tttctgctga ggaaggcgca ggcaacccta 10260  
 gtcggcttag agagagacaa ccgcacgca tcaccgagca cgatttctcc caacaaaaaa 10320  
 actaacaata atagcgatcc acacactcaa gaggtctcaa acctccgaag ttttgccccg 10380  
 agtcttggg ccttggcaga ggtgacaagg gcatttggga aagacagaga aaaataaatt 10440  
  
 cgctccagtg actgtacagc gggcatttga ggctgtgaga aaacgagttg cttttctgct 10500  
 tgagtataa atgttgcaac gggcatagct atgtagaagc aaacagtttt taaaaccaga 10560  
 gaagcagagt ttgacgaacc ttgtaaggct gaaaataata gcataattt ccaacttcaa 10620  
 gatgctgtga ttaattgttg ggaaagctct agataaatta cccaacggg ggaaatactc 10680  
 aaaggtaaac gagtttgttt ctttgtgttc tgaatctcag ctgccaggaa tgaaagttac 10740  
 acttttagtt tgagagtgt gtctatttac ttctcttct tctgtcag tctctttccc 10800  
 aggtgagtta gcaagtggac ttgtattttt aaaactacct catttgggaa cgaggaaaaa 10860  
  
 caaatctggt gaaagaaaat ggccctggaa gaaactgccc ttctaacgaa gattaagtga 10920  
 ctccaaagt attttactc ttattgttc aaaatatcca caagaacaaa ctgctaaaa 10980  
 tttccaggaa ttaactgtat ctagaaaaag aaaaggacat agtgtttgcc ccaaaaagag 11040

aagacattca cacccccata ctcttctgtt tctagggcaa ctacatctgc agaaacatgt 11100  
cctcctgtgg cgttttccgg gtagttgatt tcttcttcac aaaatgggcc ctctcttgcc 11160  
ccttggaggg tggtcatccg acttctgtgc ccagaaagtc cttttttcc accttctttg 11220  
tctaaatgaa tcttcttggg cttacactcc actttcagat gagagagcga ggctcagaag 11280  
  
atgtgtctca aagagagaaa gttaggaaag gaggtgaagt ggaagcgagg gcgcccctgc 11340  
tcccaggagg cctgcctctt ctgcaggaaa ccgggaggta gccactagaa ctggttaggc 11400  
aaaggaggct cactactaaa acaagcctat gtagagtagt ttctcaggcc ttgccaaga 11460  
gccactctgg aaactctctt tggcaacccc ccaactccgc ccggacaccg tgctcagcca 11520  
gagacagggg agcagggggg gaggacttcc caatatatca caaaaaattt ttttaataa 11580  
actatgtaat ttggtttact ttgaagtgtg ttcttctgca aacatatctg acatacaggg 11640  
tattgggggt gagttggggg caggagggtg tggatccttt tgaatgatca agtttaggat 11700  
  
aagaagggtg aaaggggcaa aataagggcc ctccagcttc tcaggccatg gttagagctg 11760  
aatgttctta ttaagaatta tgaatctccc agcagtgagt gagaacttgc atacgcgcca 11820  
cccaaactct ttttcagaat gcaaacccct aggtcaaaaa taataagaaa taaacaataa 11880  
aaacaatctc ggtcaaaatg aatctttcct ggattgtcct tttctgggta tctccaacag 11940  
agctgagagg aaggctaaaa ggttggctct gagtggatga ggccttggtt ctttctagt 12000  
gccaggactt gacctgaac ctttacccca gtcggctcaa caaagtttct ccctccgagc 12060  
caacgtccct ctacaggaa gccccccttg ccttgcggcc tgcgtcctca ttcggcgaac 12120  
  
tctcccgctt acggcttctt gtacatctgc ccttgtggtt ggggtcactc ctgcagga 12180  
ctgtggcttt tgctgcac tggacaacag ggtgtgcacc cgtgtattca aataattatg 12240  
cctgtgggca cttctttatt cctcaaattc ctgttagtgt tcttttaatt ctcccgtagt 12300  
gttcccttaa ttctcccatg tgtattcggg acgattgcct gtacgttcca ggcatagtca 12360  
ggtgactcag cttagtctg agctcaaacg tgcgcgacc cctgggtctg catggggaga 12420  
aggaggtgtg cactgtcaaa cgcgggactt tgggtggagt gtgaggttga tagggctttc 12480  
ggccccaggg ccctctagga cttctttaaa taccttcac tgeccaattt cttaaccttt 12540  
  
caggacaagg agggagaccc tccgcgatcc tgcgccttgc caccctttgg gaaggatagg 12600  
accatcatct agggcgctct cgggtggact gtggctgggc cgggctgaat gggcgggcgg 12660  
aggtctcgag gtcgtctcct ggctctcgat tgctcccatc acccaagcca cctcgaggct 12720  
gagtgcgcc tggggctatg tctggggagg tcatggcgtc tcggggcgaa tgatatgcac 12780  
gttttggggc aaaactctcc taggcctcgc aggagcagct gtatttgtaa cttggaattg 12840  
gcctggggcc gcctcccttg gccctctc cagctcctac ctcaacacgc agcgctcagc 12900

gggctgccag agtgagcttc ccggaccacc cccaagcacc ctggggcctc accatccttc 12960  
  
 agggtccttg gggcatccta gaggcctgga tctggaagaa tgggggcca caagagtggc 13020  
 cagggtcttc ctggggcggg ttctcgatgt attcctccgc tagaattagc ctttcgggcc 13080  
 tgcgcgccta caggtttcag aggccagcgg gaacgggtggc ctcggtgtg tgggggtgag 13140  
 ggggtgtggtg tgtgtgcacg tgttcacgcg cgactagaag cggttccttg tgcatttcta 13200  
 gaatcttgta gatgtgtttt ctctgagaa tgatgcagac ttactgctga ctttaaggta 13260  
 gtttgtttga aaaggagaa cgtcagtcgg atggtcgggtg gttgtgtctc tcctgagcat 13320  
 tcgtacaaag tgaagccacc tcccctccgc catgcagtct cccagaccgg gtcaaaggac 13380  
  
 ccaggctcca ggtcgtgag gcctggaggg ctgaggccct tgctgtgcgc cctgggtgctc 13440  
 tgatcccaag gcccaagctg ccccggtacc cacttagggt cagggtggaa agcctacgtg 13500  
 ggaaaggggg acctggagga ctacccccac gcccatggca ggggtggagtc ccgaccttgg 13560  
 cataatggac ctactcactt ggcatctccc tgccccgacc ccgtctggga tccgtattgg 13620  
 cagcgacgag gaaggagga atggttaagg agttgggtcg gtacaggacg gaagtgaaga 13680  
 tggaaagaga gaagaaaaat aaacaaaact gggtagggac atggagatgg gtgaggcagg 13740  
 ggtagggtg gatttggggc tgcctcgggg agcagcggct tttcacctg ctatagggag 13800  
  
 gtgcgtttgg ctgagctgtc cccccacaa ataaagctaa tgatgtagta atttaggagg 13860  
 gggagagggg ctgggcaaaa ggagagaggg gagaggatgg ggaacgcgc gccccaagag 13920  
 caaaagcaaa cagctgtgga ggcgtgccc gcggctcagg cttccaaca ggttagctat 13980  
 actgggatcc acccggcatt tcgcaggaag ggggtggggg aagacagagc gagaggggga 14040  
 gagaggctca caagaggaca gagggaggga gggaaagaga gataggagcc agagagcgca 14100  
 ccgcgcggct taaaaggaga gacttactaa tgaatattta tccgccgtg ctccgtgctc 14160  
 ccggttccc ttaccttctg gcagtaaga tcctccctgt gcccagccc cgggggccct 14220  
  
 cctagctccc cagtcgggga gcctgtggct gggcgggagg gctctccgtt ggtgggggtg 14280  
 ggaggcggc tctactctgc gttcactttg ggtgccagg catgcgacc tgcacgacta 14340  
 ggaaccgct gcgtgggctc catgtgtgga atgagtgtga gcatgtaaga gtgtgtttgt 14400  
 gtgtgtgcga gagagagaca gagagactat gcgccgcaa gcgcgcgcgc gcgcctgttt 14460  
 gtggcgcgt ctggaaacat ttccgactt ttactcgga cgccctggat ttctgcctt 14520  
 tgcctttctc tgcttccct cctctttctc tcgcccctcc ctcceccacc caggtctacc 14580  
 ccacctacc cactcctac cccggtgct gaggcgtct tctgccggt attgtacggc 14640

tggcgcgggc tccccctggc cacatcccgg gcctctcaca caagaagaat agttctgttt 14700  
 ccgcgtataa cccccacaca aaggctgccc ggccaccggg tccccgtcc ccttcccgg 14760  
 ggacttcggc ttttgaggtg ctgctgcgcg tttttctcc cccccctct cagggcgcca 14820  
 gggcccagac caaggagcta agagtgatcg ggacttgggg gtaccgggtg gaactccttg 14880  
 ggggcgcccc gccaggcttc ctgggtgca actcgagcc cagagacccc caggggaagg 14940  
 gcgcctcttc ccccaccacc accccagccg tcgcctgcgg gaggagcacg gggaacccgg 15000  
 ccagccaaa gggggaagag ggaggggaaa aggaagaagg tcggggaggg gctgaccata 15060  
  
 taaccagaat tctttaaacg gacttaccg gccacctgtt gagaatccat gtgggtcgg 15120  
 ctggctccgg agttgcgcaa ggtggacaca caaaacaaa agccggagt tggaaaagaa 15180  
 aattctttct ctgacctgc cagacgcggc cggtcaggct cgcagctccg cgctaggatc 15240  
 gggcggtgt acaaccaaga tcgactttgc cctgtcccc aacgcccc tcateccacg 15300  
 gctccacggc tgggaggtc cggactcaga gctcgcgac tcggcgctca gggtcagcac 15360  
 cagcagctcg gcttaagccg gggcaggtc tctaagcct gctcagaagt caagagcagc 15420  
 agtgctgct ctctcgccg cctttcatgc cgggcgct cttattctt gtgtctcggc 15480  
  
 ctctcccggc cccctcggac aaaaccccca gagcccgcc actctctcc cgctaaatcc 15540  
 ccttcgggt cagtgtcta ccagaccgg gccgcgcgc tctctgcca gccgtgtggc 15600  
 tcttaaagag ctgcaccct cctccgctt gcgcgatcc cgcaccccg cctcccctc 15660  
 cctctctcc ggatctagc cccacgcgg acgcctgagg tccctgtgc cccgaccgat 15720  
 gcctgcggac tccagcccc cteccctgc ctctccct gagcagccgg tgggcctggc 15780  
 ctgaggcca cagggtgag ttctaccct gcctcaggt ccttttca ccagcagcg 15840  
 acaccctcc ctccccgc cctactttag cctctgggt cgatcaagg ccgggcaccg 15900  
  
 cctttgcca gctcagagt gatgcctaaa gattgccagt ttagggttaa gttaggggt 15960  
 tatgtgatgg gaaatggggc agggcatgct agcggagcta gggagagaga aaggaagaga 16020  
 agcaaaccag atggacttgg agggctctct gtatcccagg gcctacctgg ctttttggt 16080  
 ctttccacg acctccaga gacgtcacg cgggcacggg gtctgaggt taccaacctg 16140  
 accaggccca ctgtgtgtc gagggatcct ggcatgttt gtgtttgtgt gttgggggt 16200  
 ggggtccaga aagtctgag tgtgatttg gagcagctg cttccaagc ccagagcatt 16260  
 aattccccc aaaagtaacc ctaagggcc caagagctgt gtatgcaagg agggagtga 16320  
  
 ggaccttag ctccgactgt ccagggaaaa ggcatcaga ggagaggga gacagaaagg 16380  
 gaaggaagg tacattcct gaggactgaa gcacaatttt taagagggtg tcttatattt 16440  
 actggccagc catgtcagct gcccactaa gaaaaggtga agtagatgac tgctttggtt 16500

tcccttcctt ccagggctct ggctctctgc ctctctgcc ggctgccagg ccagtcttg 16560  
 aggggtgtct tgcctatagc actttttttg ccaggcctcc ctgggactag aagccaaaga 16620  
 agggatacct ctgttagagg ggagtgcagg acgggctgtg gtccctgcc ttcctactg 16680  
 ccacttgtca taacatgtga ctgggctctg tgaatggtgg aggcaatgat gggttaggga 16740  
  
 ggggagctgc ccacctttc tcaaatccaa gtcttgccac accaggtctg gctgttcaga 16800  
 aggggaacct tgggaagaag tgtgtggcct ctgggcagtg gaagccaagg gaacctaagg 16860  
 tgataggagg atggaaggct gacctcagc caccacagca ttagtcaga tgcacctta 16920  
 aggaactgga gtgactaatt gatttgcaat tggtcactt gggagaggct ggcagtgcac 16980  
 tccctgggct ggatcctgag acagcaaaag cctctctgc caccgctcc cctccctgca 17040  
 ctgccccaa ccagtatggc tcacacctcc caactctcca gcccctctct ctgggaatg 17100  
 ggtaactgca ggcagctagg ctgggtttgt gcccaccctc ctgggcctgg cagtgggagg 17160  
  
 tgccgtggtt caagacagag ccaaacttcc cctgtttcag aatgtggggg gtggagggtc 17220  
 ctttagaggg cgccggggct cattaggcag agcagggtgc cgagagggtc gcgtgcccg 17280  
 cccctgaggc cgcttttag ccgtcggggc ggcttcatta agctgcgcta acaaggcgta 17340  
 caaatgccga gcccagcagc tttcttgcaa tgcccgccct tagcaggcg cggaactaat 17400  
 gagggctact caaaggggct gatcaaat tcaaatctcc ccgcacgcca ggaacttta 17460  
 tgcattgaga aagttaggc aactgagctg tgtttactgt ccggggcgac aattgcttgg 17520  
 agcgccagtc cccggaggct aaggcggggg gcgggggtgc ggggaggag cagttgttgt 17580  
  
 tgttgtttt caaaggaaag taatcgggt ccttgaagg cttcgcgcc tccccctg 17640  
 cgtgtctgc tccctgcgc cctccctggc cgcccgcc aagcgctca gtttgagct 17700  
 tgcggggagg ccagactac gggccaccg gccagcctcc gcctccgac atcctgggag 17760  
 ccggaagggg cgttgcccc acagggcaaa ccttccccg gcctcctggt cggctgttta 17820  
 gagctgagca aggccaagt ggtgcagctg cccaaccct ccggtatctc gtctccgga 17880  
 ggctgcaga ccgttggtt ttcctgtaa ccaaaaacaa ggagagagt ggaggtctct 17940  
 cgggcgttct ccagatgtgg ttgagacttt ccagtgctg gggtgccggg tgacatttgt 18000  
  
 aaataaatgc cagttgggcc gggtaacagg agaactat ttaaaccca aagacatctt 18060  
 ttctccctgc ccacctgaa ggcgatatt tagatcgccg gggccaggat tgaagcggg 18120  
 atgatggcag caaatttgt ctgcacaggt gaccggcct gtacggcgcc caagtcccag 18180  
 atcccgcaat cagagcgcc agagagcaga gaagagacct agaggatctg caagtgcac 18240  
 tatccaccg agactctcc ctctgagcga cccaggggtg caggcgccct ccacgcgca 18300  
 cctcctctag cgggtcccca gggtccttc ccagtcctcg cactgcccta gggttgtctt 18360

ggttccca cagcgtgga aggccgctgg gccccggaac ccaaggtccc tctgcttctg 18420

ctccactccc cagtgcccag cgcctgggaa ttggggaggg gaagctctgg cgctccacag 18480

ccctgcttcc caccctcaga cgcaactcaga acccctcgac tgagatccta tggagcctgc 18540

gccccagcc cggcggggag ccagtcgggc cctccgctct gggaccagcc gccccgcctc 18600

cctgccccgc tctccgact ctcaacttac ccgctccagg aggcgggagt actgcttcag 18660

gccagagccg aaagcgctg gcggcggtg gaccgcgagg tgggctcggt gggcggcgcc 18720

gagctcggct ctgctgggag gcgcggacag cccggggctg ccacctgccc caccgggtcc 18780

tggcgacaaa agctacacgc ctctctgcag ccctctgccc tgcttcgctg tccggaaccg 18840

cggtcggcac ccaagcaggc ggggtgcggc agggcggcag ggcggcaggc gctggggcag 18900

aggctggggg gcgggggtgt cgccagagtc tcagccccac ttgcctcagt tctccctgag 18960

tggcgatggt tttttatttc agcgctttcg gcagagcccg cagcacctgc ccage 19015

<210> 9

<211> 315

<212> DNA

<213> Homo sapiens

<400> 9

aggatgtgag ggcgatctgg ctgcgacatc tgtcacccca ttgatcgcca gggttgattt 60

ggctgatctg gctggctagg cgggtgtccc ctctctccct caccgtcca tgtgcgtccc 120

tcccgaagct gcgcgctcgg tcgaagagga cgaccatccc cgacagagga ggaccagtct 180

tcggtcaagg gtatacgagt agctgcgctc cactgctaga acctccaaac aagctctcaa 240

gaaatgagaa caacacaaa agagagcata agataaaggg ggtgtctcag tctgtttggg 300

ctgactgata ccata 315

<210> 10

<211> 1858

<212> DNA

<213> Homo sapiens

<400> 10

gcggggggcg ggggccgcga ggggggaggc ggtacgaaaa gggcggcgcg cgcggcgcg 60

gcggcagctc cccggcagcg gcggtggaga gcgcagcgcg cagcccgggtg cagccctggc 120

tttccctcgc ctgcgcgcc gcgccccctt tcgctccgc aaccagaagc ccagtgcggc 180

gccagagacc ggaccgcgc ccgcaccgct cccgggaccg cgacccggc gcccagaga 240

tgaccgcgac cgaagccctc ctgcgcgtcc tcttgctcct gctggctttc ggccacagca 300  
cctatggtga gtccccggc ggccccgctc gcgccccctc tggggaagcc tgcgactccc 360  
cgccggccgc ccggtgcccc gcacgccccg tctcgtgagc cccaactccg cccgtcccgc 420  
ctagccctaa gccccgcgt gtgcctgtct cgcctaccc accacgctcg catgccaagg 480  
cccgccccag gggccccagg gcgcagggga tgtgtgagac cccagcccc tccccccct 540  
gcagaagtgg cggcagagg gtgtcggtgc gctgagcaag gaggtatgga aaaatgggt 600

gctgttgtgg agtcttctat gaaaatactc tggggtgcaa ctttggggtg tccttgtgtg 660  
agcgttctgg aacaggtctc ggggcgggag tgggggacga ctttccgctc ttagcccca 720  
attcccagag aagcccagcc tgagcccttc ctgcgtggcg cgtttctgta ggtgaggggc 780  
tgcgacactt ctgtctgcag cggccatctg tctctgacag cgagagagtt gcccccttc 840  
tgcagcgccc cccactcat tgcaccagt gtgtgaaggg ggctgtctag aaagctggg 900  
agctggttga gtaaatgcac acagtaggtg cctgttaaag tgtcagaatc tctaagcagt 960  
gttgttgcaa cctcagcccc ctaagcaaaa cctgtgtcgc tcctcgtttt ttaaatgcga 1020

agagtctggg gtaggggaaa gaggaagat ttgacctggg tgcccggctt aatagggatg 1080  
aaccttaaaa agaatgcaga cgccttactg gggcgccac caggtgaacc tgtctgggt 1140  
ttcccgaggt tgaacacctc aaaatctgct cctcttttca gctcaggttg caaaagtgc 1200  
ggtcaggctg catgcccagg gctcaacata ttccctcca cggccccgt ccccgctgtt 1260  
aggaggactt gaggtgtcgt atttgctttt gggagtccga ggagaaggtg tttctcctgc 1320  
tcctaagaac gaggagaggt gtactgtggt catttcattg ctgggaacgt ggcagagatg 1380  
tttttctga gtgcactgag ccccatccat gctcgatag gaagtgccta ctgtgtgcca 1440

ggctgtagg acccaagagg gctgttggtg ccctcgaggg cagtgggtgg ctgtgtgggc 1500  
gaagacagcc ttgacctgg cctggggcct ggtgggtga attgtataac ctttcttgta 1560  
cctcaggggc tgaatgcttc ccggcctgca acccccaaaa tggattctgc gaggatgaca 1620  
atgtttgcag gtaatagagt ggctcctcag aggcagcttg taggggccac gcagaagcct 1680  
ggggagtctg gaagtcaggc agaaaaaat agggggcttg gccactacgc tgcagcaaac 1740  
agcttccggg cccctgcaga aaactgggtg gcgagctgg ggagatggg ggggcggggg 1800  
gggggcagcc acagtcctg tctgcgttct cagaggtggg ggggcaggtg ggaccact 1858

<210> 11

<211> 123809

<212> DNA

<213> Homo sapiens

<400> 11

catgtgtttg gcatgatgag gaccactgaa gacttccaca agcctagtgc cacattaaac	60
tctaacacgg ccaccaaggg aaggtacatt tatctggagg cattcctgga gggaggagct	120
ccctgggggtt ttactctaaa ggggtggcctg gagcacggag aaccattaat catctctaag	180
gtatgtttct ttttccaata ttgcctttat tcaaattgtt tttttcaact tgcagatgt	240
gtcaaaaatg caaaataatg agaactgcct taatataact taatttgctg tttcatgcct	300
ttctgattat ctgaaatat tttggatagc ctgggatttg aaagaaaaat gtgtctagct	360
catttattct atgaaatccg aagaaaaata tgcctgtttg atggataatc ttctcttttt	420
gtgaatgaaa tcgcatacaa tcagttacca catgagcttt tcagttataa atcagattaa	480
agattaataa catggttaag atggtggcat ggtatatatt tgtgcattca aaaatatctg	540
ctttttctct cttaactga aaatagcatc taaaaatatt ttaagtttgc ttataattct	600
ggataataga ttgcataaat accatgtgtt gctttttttc cccacactca gaaaggagaa	660
ttaaatcagc tttcagcata actcaagatc aaaacatttc tgcctctcct atttatctgt	720
atatttgaat cccittttta acccttagtca tctgcagca tacctcaatt cticatttat	780
cttttgggtg gggtagtcat accaatgaaa tatttatgta ctgggggttaa tatttctatt	840
tttctcttaa actacagatt aacattactt gttataatat tgctttttaa tttttagagt	900
atttaatagt ctgatacaat agattataat ggcttttcac acatgtgcat tcatcaagaa	960
acatttgtaa ttaagggaga aaaaattttt aatttgaggg tggaagaag gtaatatgga	1020
ttgcatttga gctctgttat tggttcaggt tacttttcat atccccagaa ataattccaa	1080
aaggttattt ttcaaatcag tgaagtaatt ctactgtgg atgagccagg gagaactggg	1140
tttcacagtg ataagccacg agtgcacggg acaccattat aagtgtatg acttttcctt	1200
aactttctta agtaaaacaa aaggatgtgc atatgtgtgt gtcagttagg aaggcttccc	1260
cctgtgaaaa aaattcaaaa ccgagtttat agtggctctc agtaaatgg ggtttgtttt	1320
tctcatatta caagaagttt ggaggtagat ttccaggca aggggagcag cagctcaata	1380
atgtgatcaa ggacccact tatctctcca ctctgccatt cttatgatgt tggctttgtc	1440
ttcatggttg catgatggat cccacaactc cagcattgat tgcatttca ttccagacag	1500
gtttttggct ttttgtttct cattagacct ttgctttcat ctcatcacc agaactgtac	1560
cctgtgcctg tctttaggcc aatcactggt aagaaatgcc agtgattaat acagactgat	1620
taggatttct ttcacaggtt tctacaataa ggacctactc ttcttgaagt caaggaatca	1680
ttgccactg ttgaaatgat ttgaggttct ttttcagga agaaagagg catggttgct	1740
gaataacaga taattctgca atgaacataa atattgtctc ggcatttaaa aagtctagtt	1800

gtacacaatt tgccgtgtccc ttaatgataa aatattctgt atctatacac tacagtatct 1860  
gacagtttgc tgacagaaag gtctaatacct cccactaatg agccagcttc tctaagcctc 1920  
cattttacct gcagaatggg gctatcctac tatctacttt aatgggttgt gtttaaatgc 1980  
aaccatgcat ttaggttagt gtctagtaca cagaaggagc aaagattatg attattgctt 2040

ttcattattc tagcagacat gtgtagtagg agacaggtct ggctgctgta aaaagatcca 2100  
aaataacaat aatataggaa tttattttct tgacataaca gtctgagcat aagccaaacc 2160  
aaaagatggc tctatgatgt cagggaacca agttccttct attttcttac ttccatcctg 2220  
gagtgatatc tcatcttcat ggtccaagt acttgccacc acatctgctt tccagtcagt 2280  
aagaagcagg gaagaggga aagagaaggc aatctccttt cttcaagga tccaatctgg 2340  
tccaatgtgc tctgtccaat atgggtggccc acagtcacat gtgactatct ctatttcaat 2400  
taaaggtaac taaaatgaag taaaaaattt taaactctgt ttaaatgttc ctcatattgca 2460

cttgttgcat tccaagagtc gtactgttcc gaagctcttg aacatcttcc cccatgttgt 2520  
ctgtctggca aactctttta agctccattt cttcttctct ctgaggtttt cctgatgtca 2580  
cccaagtiga gttccgttgt ctcccttcta cacttccata ttatgcatgt attacattga 2640  
atcataaaat tttatttctg tgattgccct ctcagaagtc tgtgagcctt tttagggcag 2700  
ggactatctt ttttttttca tctctatcac atctaaatca gagcctaggt acacaaatgt 2760  
ttgttgagta tatgaaaggg catggctgtg tcttactcat tttgcatttt caggatctag 2820  
cacagtgcct ggcacagagt aggcactcaa taacttttac tgaattaata agcaaaagac 2880

caaacagaac caatgaggat gccaggcaga cctccatgtg gggcatgtat tagtttcccta 2940  
ttgtctgtgt aacaaattac tacaacttia tggcttaaaa acaacacaac ttacagttct 3000  
gtaggtgaca cacctcacac agatctcact gagctaaagt cagtgtgtca gcagggtgt 3060  
gttcccttgt ggaggtctta ggggaagatg tgttttcttg cctgtctag cttctagagg 3120  
ctgcccacat tccctggctc atgggtccct tctccatct tcaaagctg caacagcagg 3180  
ttgagtcctt ctaccctgc agctgacctc tgaactgctc tctctttcac ttttaaggcc 3240  
tcttgtgagt accttgacc taccaggata atcctggata atctctctat tttaaaatca 3300

gtcgtgtaat agccttaatt gtatttgcaa ccttaattca cccttactaa ataacctgac 3360  
atattcacag gtttcaggga ttagaatgca gacatcttag gggagacagg gcattatctt 3420  
gcctaccacc aggcatattga gcattggttag aagtctatgt aattaaggca gtaccaggga 3480  
tgagactaaa gtgaaatgtg gtggctgatc atgcgtatac tagatcttct ctctaagaca 3540  
atgaaagaaa atgcacatta gctcatacac tgctaaccag atgtctacta tttctccaag 3600  
ttagggtgac cctccattgt aggggaaggg aagggatagt acacattgag tcacacatat 3660

gaaaggcaca aacacattat acaaggcagc tataaactgc caggttatgg atggcaatat 3720  
  
 aataaatgaa gtatcatttt tctttagata taaatgaggc aggagaatga atggccgtaa 3780  
 aggatctaca aagggttaaca atagaataaa tcatttttga attgctttct ttgggattta 3840  
 atatccttgg aaaggaaagg tggggttgtg gaaagcgct ctgtaatctg tgaacttcaa 3900  
 aaagaaaggg taacttttaa aaaattgtca ttgtaagtgg atgctcaggt aattcaatag 3960  
 tccaggaagt tggtagcatg attttattat gattcactta ctctgtattg tggctcagaa 4020  
 aagcagttcc acctgcagaa gagatgcacc tgctcccagg gctcataagc caagtaacaa 4080  
 caataaacia caacagcagc aactgccggt acttatttag tgtttgtgat gttccaggct 4140  
  
 ctattccaag agatctacgt gttcacccat ttaatttcca caacttcaca gagagggtaa 4200  
 cactcttate ccaatgttat atgtgggaca cgcaccaga attaatttga gtaacttgct 4260  
 gaagctctca tagctactaa gtgatgcagt caggatttga actcatgcat tctgggtcca 4320  
 gagtccatgc gcctcacacc ctatgccatt cagtctccat tgcctactga acatttggct 4380  
 ctctctagat tctagagcta ttatctgagt gaagtatggg attgataatt cattatataa 4440  
 gtttttaaat ctattcgggg gaattttaaa aaatacatag tccaataaga ttccataaaa 4500  
 taggtctgac tactgctcag tcaactgctt taagtagttc aagaccata aaataagggg 4560  
  
 acacctgctg ttcttggcaa atatattcat ggtgtctcca cctgtagagg catttctttg 4620  
 tgcttttcaa acatggactt cagaatttaa aggtaggcca ctgccctggt ctcttttgc 4680  
 tcttacatca tcaacactca gcaatgtgct ggtcaaagca ctctccatc agtgcttata 4740  
 tttctgattt ctactccctt ggaaggatc tgtgctctag ctggactatc tctatgcat 4800  
 ctcatataa atcttgctgg ttccatcttc cacactgtca cctctcttc tccaaaactg 4860  
 ctctctccac ctgtaatac accacctttt ttctatcaat ccaaacttta gcctccttgt 4920  
 ccaccaagac ttgactcact gactctattt catcaacagc ttccattct ttatctatgg 4980  
  
 aggcgagggg gaggtgctta aggtcattt taccagttct tcagccacag tctgagttc 5040  
 aatttgtttt ttttttttt ttttttgag acagagtctc actctgtcgc ccaggctgga 5100  
 gtgcagtga gtggcgcat ctgggtcac tgcaagctcc gcctcctggg ttcacgcat 5160  
 tctctgcct cagactccca agtagctggg actacaggcg cctgccacac gcctggctaa 5220  
 tttttgtat ttttagtaga gacagggttt cgcctgttta gccaggatgg actcgatctc 5280  
 ctgacctcgt gatccacca cctcgccctc ccaaagtgtt gggattacag gcgtgagcca 5340  
 ccgcgccag ccctgagtt caatttgaat tggattttta ggcagttccc caagacctgg 5400

atctggttga ggacccaaag tcactttttt cgtctccttc caactaccac attagatcag 5460  
ctcgtcattc tgacctttta aaatagccaa tcctttctga ctttttcctt ttcttgcttt 5520  
ttcctttaac atcctttgcc ctctacta gggtagcctc atctctctgc tgctcttcag 5580  
ctagtttgtt tcttccctta ttgttcaatc tatctttgtc ctgcctttgc attcattctt 5640  
ctttctcttt atctccccag tggctttatt ttttatttta attattattt ttgtttttg 5700  
agatagagtt tcgtctttgt tgcccaggct ggagtgcatt ggacgatct cggtcactg 5760  
caacctctgc ctctgggtt caagcgattc tctgcctca gccccaag tagctgggat 5820

tacaggcatg cgccaccaca cccagttaat ttgtatttt tagtagagac ggggtttctc 5880  
tatgttggtg aggtctgtct caagctccca acctcgagtg atgtacctac ctcgccctcc 5940  
caaaattccg agattacagg cgtgagccac cccactcggc ttcccagtgg ctttttatta 6000  
tacaggata taaaggtcct ataaaggtag ttgtttgcat ttggcgtcct gccataaat 6060  
tgtactcgtt aaggccagat gggttttact catgctgtat atatttcttc tcttagcaaa 6120  
atctttctca ttacacata gcaaatgctt aataaatgtt aaatgactta caggattgta 6180  
cagctatagg aaaattagca atcatgtaat aactttcttc gtacacagag agaaaactga 6240

gatgcaaaaa aagttgccaa gatggtttca gtcttagcaa attgagagta tgtgtgtatc 6300  
tgtgtgtatg taaagcccca gctagtaagg aagtaattgc tttctctgat tgtgcccttt 6360  
atagtttttt ttttttttt ttttttgag acagagcttt gctctgtcgc ccaggctgga 6420  
gtgcagtggg gcgactcgg gtcactgtaa gctccactc ccgggttcac gccattctcc 6480  
tgctcagcc tctgagtag cagggactat aggcgtccgc caccacgcac ggctaatttt 6540  
ttgtattttt agtagagata gggtttcacc gtgttagcca ggatgggtctc gatctcctta 6600  
ccttatgac cgccacctc ggctcccaa agtgcctggga ttacaggcgt ggtcaccgt 6660

gcccgcccc accctttata cttttctatg aatcctagct cccctgttag actgttacct 6720  
tccagaagct aaagacctt cattgattcc ttttctctct ctctctccc ttcccttctt 6780  
tccttctcc ttttctttt attattctg gtgcttaaac tatacgtaac aattatgaaa 6840  
atgaaaatgt gaatgaataa agaggaagat aagtattaga gaggatattc ttaaaaatct 6900  
ttgttagaag ctacctaggc cagtgtgcac acaggttact agaaaaacct gtttaaaac 6960  
taaggcaagc aggttaagtt gggctcagtc tgacctgtc tttcatatgc acatgttaa 7020  
tgtttggtta atgtctgtg aattgaattt gattgagaaa aaagggaac tcatgtttt 7080

ctttaacttt taaaccttta aaaattaact attatttttag ttaaagtctt acgcattttt 7140  
tagtacaat taattttgat atttctatc aatgtttgtg gaaataactt ttattcaagt 7200  
agcatgctga catgctgtac caaatgggtc ttagcatcag taagaactct gctttctttc 7260

acagctaata gattcccaag gctttgcctt ctatgcaggg gacacaattt attttaagaa 7320  
atattcatct catttttagtg agcccacagt gtgattggag aggcataatg agagactttc 7380  
tatcaatttt tgaaaaaaca aaacctcaaa ggacatgctg gatcttaact aatccataga 7440  
cagactcttc cacatctctc cctttgatgt agttccaaac agtgaacatc ttatccaaag 7500

ggctgcagtg cagagtcctt gttctccac ttggttcac ccaggagtcc atccatctct 7560  
tgtgctctga catcccaggc acttctcaat gaaacaaaat gaggcaaaga ttctctacta 7620  
aatctaagca ctgtttctcc ccctcttcta atgactttct ccacaaaggc tacatgggta 7680  
cgctgtggat cttggtttgt agaattggaag tgattctttt ctgccttcag aggaagcttt 7740  
cctgatttgg cagaccgatg tacagaacac tctgtcctgg gcactcgaac ctgaatttgc 7800  
acttatgtca actacatttt ttattctctc aatatctatt tgtttcttc tccattttca 7860  
gcagtatttt tttcttggag atttatgaga ttatttattt attttgagac aagacttcat 7920

tctgtcacct aggctagagt gcagtggcat gatcacagct cattgcagcc ttgacctccc 7980  
tggggtgagc ttcttacctc agcctcccaa gtagctggga ttaaagggtg acaccaccac 8040  
accggcgtaa tttttgtaga ggtgggggtt tgcctatgtt cccaggctgg tctcaaactc 8100  
ctcagctcaa gtgatctgcc caccicaacc tcctaagtg ctgagattgc aggagtgcac 8160  
caccacgctt ggcctaaacc tttatttttg aatgctcttt ggtgcatgta tattaattta 8220  
tatttgtaat ttctatgtta tataatgtta tatatgtata tataatattt cattttaagt 8280  
gaggttttcc agcatagaaa aaagcttaca tcccagacaa tatagggtc tgagtgggaa 8340

taaacaagtt ttattttctac cctagctttt actggctatg tgaccatggc aagtaacagc 8400  
cttcttgaac ctgatttcc agtttctca tctctcttc tttcttttt ttttttttt 8460  
ttttttttt tgagacggag tcttgcctg tcgccaggc tggagtgcag tgacacgatg 8520  
atcttggctc actgcaacct ccacctcccg ggttcaagcg attctctgc cttagcctcc 8580  
caagtagctg ggactacagg catgggcccc atgcctggct aatttttgta ttttagtag 8640  
agatgggggtt tcacatatt ggtcaggctg gtcttgaact cctgacttcg tgatccgct 8700  
gcttcggcct cccaaagtac tgggattaca ggcatgagcc accacgcctg gccagttttc 8760

tcatctttca aaggcaccag gcatggtggc tcacacctgt aatcctagca ctttgggagg 8820  
atgagtccagc tggatcattt gagtccagga gttcaaaacc agcttgggca acatggcaaa 8880  
acctgtctc tacaaaaaat acaaaaattt gccaggcatg gtggtgcatg cctgtggtcc 8940  
cagctactca ggaggctgag gtgggaggat cgcttgagcc caggaggtgg agattacagt 9000  
gagccaagat tgtgctactg cactgtagcc aggtgacaga gccagacatt gtctcaaaaa 9060  
aaaaaaaaa aggaacattc ttacctaatg aagtgttat aagtatcaa catagtataa 9120

gctatgcaat agtgctttgt aggtatccag cataggtagg caactcatat gccaaagatg 9180

atacttggct gattttctgt atcatggcca gcagttgcta cctcacactg aaacactgaa 9240

cagattattc cctgccatca tagagcttat attccaacag aaggggactg gcaataaaca 9300

tgtttgtata tgctaatttc aggggtgtgt aagtattatt aagaaaaaa ataccaata 9360

cgatatgttc cagagtata gtgtctgtga ggtagaggta tgccacatgg tgattagaga 9420

agggttttct gaggagatga catttgagcc aagacctaata aagaaataag aagccagaca 9480

tgcaaagagg ttataagtt gggctgaggt aggagagtct tagaaagttc tagaaacaaa 9540

aagaaagtca gtgttattgg agtacagtaa gcgagagagt agtatgagaa atggaaaggt 9600

aggctgaggt cagatcacat aaggccttgc aggctgtgga aaggaccttg gactggatct 9660

aatgcaggg tgtgagggtg gatcgacca agagtctttc tctattcatg gtgaaatgga 9720

cagaccatg gcaggtactt aaacctggg aggttttttag tactggctct taaagccacc 9780

ttcttctcc ctctcatgta catttctaag gtacttctg ggtctacaac aggacagggc 9840

tttccaaaag acaactgtta accaaaagac aactgtcaac atcatagtaa cttagggat 9900

gatgcacaaa gaaacagtaa atactctctt tctgttggg agagtittcc cctccaccc 9960

cataactctt gatctcttgg gttatttttc actctcaatt gacaagactt cctgggttgc 10020

ttttatcacc gtactgtcag taacttgact gaggtcctgc tctgtaacag gcatgctagc 10080

tcatgtaagc attgcaaac tctgggaagt cctatagggtg gagagactgg actcttgctg 10140

aaggtcataa aactactaag gtacacatct aagacctttt taactttcag cctgaaaaat 10200

ttctttcaaa gtaaaaactg cgttgtcact ttgtgatgcc aaagaacct tccatctatg 10260

ttacccata tcttgataaa ctggtaaaaa aaaaaaaaaa aagtggatg catgaactgt 10320

gtgcaacagt cagtcaactt ggtggcatcc ttaaggtgcc ctgctcgggt aaatggcggc 10380

ggtgggggat gcacatctac ttctattaac actgggagtt caactgggct ctctgcatct 10440

tcccaggtgc tgcttctgc tgctttttac ttctgctaga ctctgaccac tctgggtgtt 10500

tgggtgggtg atatccatc acatggatag gccatgaaaa aacctcaacc cccaaggcct 10560

ggtactcaag gagaaatact agacgaacat tagatggttt aaagctaaca gggactgaaa 10620

ccagttaaaa gagggaatca gacataagtt gcaactgat agaacaatga tctgctgggg 10680

catagaggt tcatgcctcc cgacatgctg atgagccccg gttatgagct gggcaccaca 10740

actgatggtc tttatgaag gagtgtctct tacaccaaac tttatctcat ttggttgc 10800

cctttctagc cttgcttag ttcaaatgt agtacatctg ctgtgctcat ccagcttcat 10860

ctactgctga gttggctgtg tccacgtca atctgtctgc tctggtttca tgatgtcac 10920  
tagcattcac ttccctgca aggcctactc gccggcttcc ctaatagtac actctcttgg 10980  
cacgatcctg ggaacttcac gtacagtgtg taccctcaaa gccattgcta cctgctaggg 11040  
tcttggttca attgccctca tctctcactc attcttgggt cctggaaacc tggtagacac 11100  
agatcctagt attctaaaga tctcaaaatt taaaaatcat tgtgacatga atttgaagtc 11160  
aaaaccagg caatttaagt ggaaataagc attcttcagg ttagtcaaag tgcttagcac 11220  
ttgtatatt aaagtgtatc ctgagccaca catttgctag aaggttaagaa gaaaaattgg 11280

actctagaat caattgcctt tctcttttcc ttgaaaagt taaaattttt aatgaaagaa 11340  
gttgtgtggg tacaatgtaa gcttttatca tcttgcatgt gtcctctgag aggttcacat 11400  
ttttgaggcc ttgtctcatg gaaactggga aatgagcttc tggaattcag acccaggatc 11460  
tggtgcatt ccagaaataa atatacatgt tgggcgttga gatagacaat taaaagaata 11520  
ggagagtgtg caaacttttg agaatgagaa ggcagaaaat agactctttt ctctcatgct 11580  
ttgcttttgc ttttgtttat tttttatatt ttacttttg agtatcagct agtgagtagc 11640  
agggcaaaaa caaggcagcc attgatctaa gtgtaaggca gcaggaggaa ggttaagaga 11700

atgagtgtta ttcttttaga ctacattcat agttgcatgg tgttgctctt ggctcaaagt 11760  
ctacaattaa atcagttgtt ggcactccct tgaaagcatt actatcacag ttcccttac 11820  
atatgtaagt caataaattt gacctttaag aaggacagtt ggtgtagacc ccctccactg 11880  
ggccaacaca tattgcaaat ttctgaactc aggccctgca aagtactact gccaccttgc 11940  
ttctttaaca gagaaggcaa aataaacaga ggaggattcc atggtataaa aaagaaaaaa 12000  
atacattatt tatatttaaa taaataaaat tttttataga gcattattta tatgtgtcag 12060  
tctgctgtgg gtcaggtact atgttagatt cttttattta ttattttgtg gaatgagatt 12120

tgtttttata tatgaggaaa gaggtttttc ataaaagatg gagccaagat ttaaagctaa 12180  
ctcatttcat tcattagtta tcatatttag tcaacacatc atttattgag tgcctaaaat 12240  
ctgacagcac tgggaaacaa cagaagatga ggtcactgca ccctaaagga gcattgtctc 12300  
gttttttctt cttataccac tgcaactgac cgtccacat ttctcacct tcatttctgt 12360  
gtgcattggc tggacttcca gctgtcagca tctgcaattc tttgcttgga agcccttgc 12420  
cacagtaatg acaccaagag caacctcca tgaccaactg gatttggtac gtaagcagct 12480  
tagttctttc atctctcaga tgggatgact ctaagggtga tgttttccac tagcacctag 12540

aatttcttca gaatccaact ccagttgcc acagttgtag ctggcttgat caaacatcta 12600  
tgtcagctgc ctccctttt ctacctatg ttccacttc cttgtcagct ttctttacce 12660  
ccaggtaaac tacttgcat tgaagtcttg tctcagggtc tgtttctgag gaaatccaaa 12720

ctaagatgac caccatttag agaatgctta ctaagggata gccagaccct aaagactaat 12780  
 glagatctat ctgtttccaa aatctgtgat ctttgagca ttgactgta ctatggaatt 12840  
 caagcgaag gaatcccata gaatcttaca cttaatcttt tcttgggtac taaggaaagt 12900  
 ggaaatccat ccctagacag gatattttgt agttctctct ttcggctctc accctctcat 12960

gggatgggtg tgttttctct tttctccaca gaattgactg aaaagtctca ttctgctttt 13020  
 atcatcactt catttctctg aatgaatcaa gcatctctga atgaaatcaa gattttctcc 13080  
 ctcccgctctg agagtaggat ccactctctt gttctatagg ttctcttttg ttctataggt 13140  
 taagggttaa ggaaatgtg acccccttga acagaataga tagagaaaat tattcatttg 13200  
 gggatctctg aggagagaaa ttcttttctt gaattttatt tatattgctt cttttcttac 13260  
 tcaacttata ctacaacata gactaaaaag aaaagtggat acataactgt tttttaagt 13320  
 ccagaatatt tgacaatata atgtggtaat ggtgtgaagt ttacaccta agcaggcaat 13380

agaatatgac acagtttccg acctaccctg cccttgaaat aacagaataa ctttttaaca 13440  
 ctaacatgcg tttccttgaa taacttgtac ctctgcaaaa ttccacacaa gaagcttctt 13500  
 ttcttcaggg gctgcttccc cacaatgtga atattctttg actcactatg ttgtccattt 13560  
 ccaatttctt tgttttttgc ttgagttcac tgaagactga caaacagtag cttcacgtga 13620  
 cagccattag tctgctttaa acctcagctt gatcttgaat ggatagaata atgaatagat 13680  
 tttgtgtcat ataattcatg ttgtcagtta tatgaaattg gcagttaaag agaaactaaa 13740  
 tatgcttcca gtctctctt ttctaaattc atatttgaat ataataatgt gaaaggcatt 13800

gttcttctt ttagttaaag catttttgta gcagtctgaa ctgtgaataa tagagaaaca 13860  
 tatgctctat taaaaaatag aaggtagga agataagtgt ttactcttt gtattaagaa 13920  
 ttaacaagtg gttttaaaaa ttgagcttgt atgtgtgtgt gagcacaggg aggggtattt 13980  
 catcataatg agggaggcct tggcaactta gtgttcgttt taactccatt gattgccgaa 14040  
 cacattcatg cctgctctag ctccaggag gctgtggaac aggaaataag agattcaaaa 14100  
 agcagcacag aagaaaatca tctctctcc ttccatctcc caagcagaga aaaatatgct 14160  
 ttcttttttg tcaaaattgc ttggtttgtc ctattatgct gtcatttcag agagattaaa 14220

agtatacttt ttcatacatt gcaagtggga atgtaaaatg gtgcagccac tttggagaaa 14280  
 cagatggcca tttcttaaaa tattaacat agagttacca tatcaccaa cagttctact 14340  
 ctgaagtata taccagcag aaataaaaac atatatctgt acagagactc atactcaaat 14400  
 gttcatagcc tcattgttca caatttttca taaatagaaa aaatccaaat gcccataac 14460  
 tgaataaaca aaatgtggtg tagccatata atggaatact atttggaat aagaaggaaac 14520  
 tgagttacaa catgtatgaa ctttgaaaat attatgctca gtgaaagaca ccagacacaa 14580

aggaacatat ttaactccac atatatgaga taccagaaa aggcaattct aaaggacag 14640  
  
 aaagtagatg aaagattgcc taaggctatg gataggaata gagagtgact ataaatgggt 14700  
 acaaggtttc tttttgaaat aatggaaatg ttctgaaact aggtgttctg aaagtagata 14760  
 gttgccaact ctgtaaataat agtaaaaatc aatgaatcat aaagaaaaac actacttcta 14820  
 ttctggtaac aaaaattaga agaacaaaaa aagacagaaa ttatagtaaa ccacaaagta 14880  
 aattattacc caccatgtta accatttagt attgattttt tttttttga gatggagttt 14940  
 agatcttttg cacaggctgg agtgaagtgg cacaatcttg gctcacagca acctctgccc 15000  
 ctgggttcac gccattctcc tgcctcagcc tcctgagtag ctgggattac aggcacctgc 15060  
  
 caccatgcct ggctaatttt tgtattttta gtaaagatgg ggcttcgcca tgttgccag 15120  
 actggtcttg aactcctgac ctcagatgat ccacctgcct cagcctcca aagtgtctggg 15180  
 attacagatg tgagccactg cactcagcca gtattgattt aattaactga aatttaatat 15240  
 agtagaggaa aataaccaa atgaagctct aaagcatgtc acagagtcct aattattcaa 15300  
 agaatacataa agatgtgatt tacaccattc aataaactgc aaaaaatttg tgcagaatca 15360  
 aagaaagcag gcacaacaac gtatatctt aattatttca tttatataaa tttttaaac 15420  
 cagtcatttg tgaaagaaat cagaccaatc attgcctctg tggttggaga ctgactaggg 15480  
  
 cacaagggat gatgtgcgt agtgccctt tgatgcatga aagtgtgaaa tttctgggat 15540  
 gatggaaatg ttctatatct taatagtatg atgtgctatg tggatatatg catttgtcaa 15600  
 aaactcattg aactgtttcc ttaagatctg cacattttac tgcacgtaag tcatgcctta 15660  
 aataaaatct gataacctaa ataaagttag agacaggaag aaattggcta ttggaagcac 15720  
 aaaacaaaat tgaaagtta gaaatggacc cattagatat ataataattt agtataggat 15780  
 gaaagaagaa tttttaagg tttttttaga aacagagtct cactatgttg cccaggetag 15840  
 agtacagagg ttattccag gcacaataat ggtacactgc agcctcgac tcttgggctc 15900  
  
 aagccatcct cctgcctcag cctccagta gctgggacta taggcgtgcg ccaccatgtc 15960  
 tagcagaaat tttaaatcag tgagggcaaa aagggtttt taaataacaa tactgggatc 16020  
 aggaaagata aaagctggag tcatttcatt cctaacacca aaattaggtc agatgaataa 16080  
 aagattcaga tagaaaaagt gaaataagtt tacttcagat atttatgtat tgtttggaga 16140  
 cttttatagc aaatacattt taaacttttt gtggtaaaat atacataaca taaaattaac 16200  
 ctttttagcc atttttaagt atacagttca gtggcatcaa gtacattcac attgtgtgca 16260  
 ctacttate accaccatcc acctccagaa ctttttcac ttcccaaact gaaactctgt 16320

atccattaaa aaccaattct ccatccttc cagtcctag cccttagccc ctggcaaccg 16380  
ccattctact ttctgtcttc ataaacttga ttagtctagg tgcttcatat aagtggaaac 16440  
atacaatatt tgttcttttg agactggcct attttactta gcacagtgtt ttcaagattc 16500  
attcacattg tagcgtgtgt cagaacttca tttattttaa ggggaataa tattccattg 16560  
tatctgtata ccatatgttg tttattcatt tatccattga tggatatgta ggttgtttct 16620  
gccttttagc tattgtgaat agtgagctat gtacatttga gtttaagtct ttgtatagat 16680  
atgtttttgt ttttagaca gagtttact ctgtcatcc aggctggagt gcaatggcac 16740

gatctcagct cactgcaacc tccgcctccc aggttcaagc aattctctg cctcagcctc 16800  
ccaagtaact gggattacag gtgcctgcca ccatgccgag ctaatttttg ttttttagt 16860  
agagacaagt tttcacatg ttggccaggc tggctcctaaa ctcttgacct caggtgacct 16920  
acctgcctcg gcctccaga gtgctaggat tacaggcgtg agccaccgtg cccagcctag 16980  
atataatgtt ttaataagaa ctgtgtgtga cagatatatt ggtgagttcc ttctttcaat 17040  
tccatggggc ctatactag aagtggcatt gaagaatcat atggtaatc taagttaat 17100  
tttataaaga cctaccttac tgttttccac agtagctgca ccattttact ttcccaccag 17160

caatgtgcaa gggtttcaat ttataacat ccttgcaaac gcttgatatt ttctatctta 17220  
atctttctct aattaatttt ctctttttt ttttaagaga cagggtcttg ctccattgtc 17280  
caggctagag tgggtgcaca tgaccatggt tcattgtagt ctgacctcc tgggtcaag 17340  
tgatcctcct gcctcagcct ccagagtatc tgggactaca gatgcatgcc acaacacctg 17400  
gctatttttt ttcatttttt gtagtgatgg ggtctcacta tgttgcccag gctggctctg 17460  
aactcctggc ttaagtaat cctcccaaag tctgggatg agccactgtg cccaataaat 17520  
aatagcattc ttaataggta tgatgtggtt tctcattttg tgattttgac ttgcatttcc 17580

ctaataatga gtgtgtctga gtatcttttc ttgtgcttat tggccatcaa tacatcttct 17640  
ttggtgaaat gtctgttcca gccctttgtt ctttttttaa attggaatat ttgcttttgg 17700  
ttgtgtatt gtagtttttt atgtatcctt gatattaacc ccctatcaga tgtgtgattt 17760  
gcaaataatc tctccattc tgtggactgc ctttttactc tgcggatagt gtcttttgat 17820  
gcatgaaagt ttaaaattg gataaagcac actactttt cttttgttgt ctgtgctttt 17880  
gatgttagat tcgagaaatc attgcaagt ccaatgtcat gaaactttcc tctatttttt 17940  
tctaagagtt ttctagtttt agctttgaca tttaggactt tgatctagtt ttaatttttg 18000

tgttcatgtg ttttctttat gagatggagt ttgtctcttg ttgctcaggc tggagtgcag 18060  
tggcaccgtc tcagctcact gcaacctccg cctcctgggt tcaagcaatt ctctgcctc 18120  
agcctcctga gtggctggga ttataggcgt caaccaccac acctgactaa tttttgtatt 18180

tttagtagag acagggtttc accatattgg ccacgctggt ctcggacttc tgacctcaga 18240  
 tgatccaccc gccttggcct cacaagtgc tgggattaca ggtgtgagcc actgcaccca 18300  
 gcctaatttt cttatatggt ataaggtaag ggtccaactt tattatttgg tatgtggata 18360  
 tccagttttt tcaacacata tttctactg aatgatcttg gcactcttgt agaaaattat 18420  
  
 ttagccattt atagccagag ttgatttctg gactctctct attctattgt attggtctaa 18480  
 atgtctgtct gtatgccgtt ataacactgt tttgattact gtagctttgt actaagtaaa 18540  
 ttttgaaaca aggaagtgtg aaacctacac atttgtcttc ttaaagtgtt ttttcttag 18600  
 tacttggggt cttttaagat tccacatgaa ttttaagata ggttttttta tttctgcagt 18660  
 aaatgtcatt gggattttga tggagattac attgaatctg tagattgttt tggttactat 18720  
 tgatactta acaataattt cttctaattc ataaatgcag agtgccttcc agtttgtgtc 18780  
 tgctttcttt cagcaatgat ttacagtttt catgcatgct ttttgcctcc ttggttaagt 18840  
  
 ttattactaa gcattttatt ctttttgatg ctattgtata tggaattttt tttatttctt 18900  
 ttttgaattg ttcattgtta gtgtatagaa atgctaattt ttgtgtgttg atttcgcac 18960  
 ttgcaacatc actgaatttg tttattaatt ctaacagctt tttttggtgg aatctttgga 19020  
 ggtttctaca tataaataa tgtcaatgga gataatttta cttcttctt tccagtttgg 19080  
 atgactttta tttctttttg ttgccaattg ccttgactag aactttcagt tctatgttga 19140  
 atacaagtgg taaaagtgga tatecttgc ttattcctga tttcagagga aaagctttta 19200  
 gtttttagcc attgagtctg ataatagggtg tggaattttt tataatgat cttattatg 19260  
  
 tcacacttta aaaaaatcta tgaaagtatc aaaagatgga taaatattta cgtatttata 19320  
 cataaatata aataaacatt tataatcttt gggggaaaag aatcttaata accaaagcca 19380  
 aaaattataa gggaaagaaa aagatgatag atttaattct gtacaaaatt gaaaatattt 19440  
 acctagcaaa aacttcatta attaaaatga tataataaat agggataaga tccttaatac 19500  
 tgtataaaaa gaactcttat atatacataa ggaaaaatcc acacacaaaa gctacattgg 19560  
 caaaggacat gagcatgaaa ttcacaaaaa agaataacca agggtc aaag aatatataga 19620  
 aaaagagttt atcttctcta gtgattacaa agaaaaatga aattagattt tttttaacct 19680  
  
 glaagactga aaaagatgag gaagagtgat aatattcact caatgtagta atttcatatc 19740  
 ctttcagtag gaataaaaaa tggttgagtc ttttttggaa ggcaccaagt attaaactctt 19800  
 gaaaacgtgc atccccagca actgtagtig tccctcagta tcagttagga attggttcca 19860  
 tttggtaccc tacaggatcc aaaacccatg gatgcttaag tctcttatat aaaatggtat 19920  
 agtatttga tataatctac acataatctt ttgtacactt tactttttat tttttaattt 19980  
 tttttgagac agagtctcac tctgtcagca ggctggagta cagtgggtgca atctcggctc 20040

actgcaacct ctgactccct ggttcaagcg attctcctgc ctcagcctcc tgagtagatg 20100

gaattacagg catgtgtcac cactcctggc taatttttgt atttttagta gagaacaggt 20160

ttcaccatgt tggccaggat ggtcttgatc tctgacctc atgatccacc tgcctcggcc 20220

tcccaaagtg ttaggattac aggcataagc cactgtgccc agcccttttg tatactttac 20280

atcatctcta gattactcat gatactaata caatgcacgc acatcacttc atttgcattg 20340

attcaacata gtacttgtac acatagtaca cacagcaaat tcaagttttg cttttcagag 20400

atttgtggaa ttttttctg aatatttttg atttgagggt ggttgaatcc atggatgcag 20460

gactgatgca catgacgaac atactgtgta tacctctggg tttatgctaa ggaaataatt 20520

gctcaataga taigtacaag tatgttttagc tatatatcta aaagagcaaa aacttcgaaa 20580

aatctatcaa ctatgtctat caactatggg gccactgaaa ataatgatgc agattatcga 20640

tttatagata tacatgtcat atggttttgt tcatgcgcgt ccgtgtaaag agaccaccaa 20700

ataggctttg ggtgagcaat aaagctttta atcacctggg tgcaggcggg ctgagtcga 20760

aaagagagtc agcaaagggt ggtggattat cattagtctt tataggtttt gggataggcg 20820

gtgaagttaa gagcagtgtt ttgcaggcag ggtgggatct cacaaagtac attctcaagg 20880

gtggggagaa ttacaaagaa ccttcttaag ggtggcggag attacaaagt acattgatca 20940

gttagggtag ggcagaaaca aatcacaatg gtggaatgc atcagttaag gctattttta 21000

cttcttttgt ggatcttcag gtacttcagg ccatctgggt gtatcgtgc aaatcacagg 21060

ggatgcgatg gcttggcttg ggctcagagg cctgacagtt tggatctgtg tccccaccaa 21120

gtttcatgtc aaattgtatt ctccactgtt ggaagtggag ggaggtggtt agatcacagg 21180

aatggatttc tcatgaatgg tttagcacca ttaccttggg gctgtttctc tgatagcgag 21240

tgagttagct ctctgagat ctggttggtt aaaagtgtgc agcacctcct ccctcactct 21300

ctccttctcc tgcctctcc atgtaagatg cctcattccc cctttgcttt ccacatgat 21360

tagaagcttc ctgaggcctc tgcagaagta aaagctgcta tgcttcctgt acagcctgca 21420

gaaccgtgag tcaactaaac ctcttttctt tataattttt tttttttttt gagatggagt 21480

ctcgctctgt ctccaggctg gagagcagtg gcactatctc gactcactga aacctctgcc 21540

tcctgggttc aagcgattct cctgcctcag cctcccgagt agctgggatt acaggcacgc 21600

accaccacgc ccagctaatt tttgtagttt tagtagagac ggggtttcac catgttggcc 21660

aggatggcct cgatctcctg acctcaggat ctgcccgcct tggcctccca aagtgtagg 21720

ataacaggcg tgagccaccg agcctggctt ttcctttctt tttttttttt tttgagaggg 21780

agtctcactc tgtcgcccat gctggagtgc agtggcctga tctcggtca ctgcaagctc 21840  
 gcctcccag gttcacgcca ttctctgcc tcggcctccc aaagtgtgg gattacaggt 21900  
 gccaccacc gtgtctggcc atttttgaa tttttagtag agacagggtt tcatgtgtta 21960  
 gccaggatgg tctcaatctc ctgacctcat gatccgctg cctgggcctc cccaggtgct 22020  
 gggattacag gcatgagica ccacgcctgg ctgcaccggg cttttcttta taagttactc 22080  
 agtctctgac atttcttcat agcagtgcaa gaacggacta atacaacatg gaaagatatt 22140  
 atatattcat attcatatat ttttgagtaa gagaagtagg ttgccaagta acatgcctag 22200  
  
 tacaatccca gttttattta cttacatgtt taaatattta tttttgacaa aatttgggag 22260  
 aatatgtata taaaagtatt aaaactgatt gtgtctttgt agtgggattt taagtgattc 22320  
 atattttcct cttttgtatc tttttctgaa gtctctacaa tgaacatgta atcttgttag 22380  
 agtaattggtt ttgttaaag ataataattac tttttcagta gcgttgagta cattgttgtg 22440  
 caaccatcac cactatctgg ttccggaact ttttcatctt cccatactga aactctgcac 22500  
 tcattaaaca gtaattcccc tttgcccctc ctctagtgt aatagcttta aatcaagaaa 22560  
 attctacatt taataatttt attttttccc ctttcccaac tacacatata cttttaagaa 22620  
  
 aagaacagtt ttattgagat ataaatcaaa tgccatacaa ttatcctgtc acacacatac 22680  
 tttggaagtt ctgtgacct cttttagt ttgtttgtttg tttgatggaa gcatttttac 22740  
 caggcagaaa gtacaacgtt ggaagtgaat gttcttgaat ttattggaga caaattatag 22800  
 aggaataatg atatgtgaat tttacctacc ataaacctgc atcctgtatt tggacaggag 22860  
 ctctgtgtac cttcaaaaac tgttcaaaaac tggttttagg tccagctccc tgtgaaagtt 22920  
 gagttaagct aaagagcagg aatctattaa cagggtcaaca gcagcagggg ggcggggatt 22980  
 ggaaagggcc tggagcagct gcggttcatt tgggagtta aaattggctt ttcttttatt 23040  
  
 ctcttattcc tgetacctcc atagaatcca ggaagaatag ggatgttttt tectacattt 23100  
 gattataaca ggcccaaatc tctttgaaca taaccagtaa aggaaagaag catccgtggc 23160  
 catcaaaactg ggtaaaatgg taacataatc tctgatgtgt agtttgaatc ctattaatta 23220  
 taattgtgta gaattgtaca gtgagaatgc tttgggagtt tttaacgcta ggtttttcaa 23280  
 agactacatt cctcattaga ccttcccat taaggcatgc ttgagtgtat ctacacagcc 23340  
 gaatagttag gattttttcc cctcttgtc atagtctgaa gacaaaggat tcttccgctt 23400  
 gccaaagttc caggagcct aggttgagcc gctgtgacag cacttcggca gggagctttt 23460  
  
 tattcagtct tcgatttgcc gtcaggcctc attcacgaaa caggatcaag ttggagcagt 23520  
 acacggagaa aaaaaaatca acagaggaaa atctcgaca gccagatatg gcgcatggg 23580  
 tcactttttc ctttactaa tgctgagtca tgatgcagtc taggctaagg cacagaaaac 23640

tgtacatttc tggtcctaac tgcattgttg tccctcagga ttctcgggtgc ctttgctaaa 23700  
 gtaatgttac aacagtcacg aaaatgctag cattagtatt gcagcttact tgacttctct 23760  
 gagaagcagc gagagtggca caaaagagct gggagccctg cagttgatac caaaataacc 23820  
 tgccaatggc cttacaacct tgctacttct cagtttttcc tagcctcagt ttctcgtct 23880  
  
 acaaagtatg gataatgtgc tgctgcttct tatttacaag gttcttgtga ggatcaaaca 23940  
 gaggtaatgc atatgaaaat gtttgttaca ttaccagga atgattctta ttatcatcag 24000  
 aatttttata ttigaattta gaagtgtat gtatgtgac gcttctggat tatgtgtgtg 24060  
 tgaacttcac acattatcaa aagagattac ttttttaata ttgtttgccc aagggaagt 24120  
 gttaggggt acataagttt aaaaatgact ttaacttagg cattagatat aaaatggtct 24180  
 cccatttgc cttaattca gtaaaacag catatttgtg attggctaca tcaacaggca 24240  
 tccttccctc ttatgtataa tctggtatag catagtatt aaaagcaca gctgtagagc 24300  
  
 cagatgcaca aacacaacat ttttgtgttg aaaaagaca aagacactac caccgttgcg 24360  
 acctttatgt atcttactat ctaaggtttt taaatccata ttacatcttt acaccatcgg 24420  
 ttgtttatta gtttattaga gctggcaaaa caaatgccg cagactgggt agcttaaaaca 24480  
 acagaatatt ttttcacag ttctggaggc tagaagtcca ggatcaagggt gtgagcagggt 24540  
 ttggtttctc ctgaggactt tgcctaaagt ttgcagaggc tgccttctta ctgtatccta 24600  
 gcaggctttt cctctgtgcc cccacatctc tgggtgtctct ctgtatatcc aaatttctc 24660  
 ttagaagagg ccactagtgg tagctcacac ctgtaatccc agcaccttgg gaggctgagg 24720  
  
 ctggtggata gttttaagtc caggagtcaa gaccagcctg ggtaacacag tgaaagcccg 24780  
 tatctacaaa aaaaaaaaaa aaaattagcc aggcattggtg gtatgccct gtatgccag 24840  
 ttacttgaga gctgaggtag gagaatcacc tgattctggg aagtcaaggc agtagtgagc 24900  
 cataatcaca ccaccactgc actccagcct ggggtgttga gtgagaccct gtttcgaaaa 24960  
 aatacaata aaaaaattt aaaaaaaaaa agaagaaaaa gcaattagat tgtattaggg 25020  
 cacatcataa tggttttatt ttaacttaat cactcttta aaagccctat ctctaaaaag 25080  
 tcacatctga gacactggga tttagggtt caacatagga attttgggag aacatagttc 25140  
  
 aaccctaac ataattgtct ctactccaca gataatgcaa aattagcaa gggaccagga 25200  
 ttgactctag tatcatataa aagagtcaaa ggcaattgtg agtctagtag taaaatttat 25260  
 ttgaatatct catgtgttac tcacatcaat catataaaag acatctgact tttatggaga 25320  
 aactcagact ttcatggaaa atcatagata ttggcaata attttggct tagtcataa 25380  
 agagtttga aattagaatt tggggttgtg tcagaatagc gaaacagaat tcacactagt 25440  
 tgtttcagca gaggaattt aatacagaga ataagtataa agatatttac tactacctgc 25500

ttaccagatg caatTTTgca tgatattcta aatgaagcag acacatgata gTTTgtggca 25560

tgTcaagatg atcaagaata tgacagtGca ggagTTgaca tagTtctgag acagcagtgt 25620

gaaggTatgc tGttgtcctc attaggtgaa agcaaaaggc ttatggtaat tcttgagaat 25680

TTTTgaagg ggaaaaaat gTtaagatca atagctaagt actacatgcg agatacttgt 25740

attgctttgc tcaagttatc acatctggaa cagcagtTgc aattggcatt acttgattaa 25800

gtttacaaaa atccatatTc actgtccaag atgaataaat ctgcacaggc caaattaaat 25860

gggaatgtta ggaatcacac ctgtatcttt taagtctttg gtggtggcat taatcttgac 25920

agttcttcca aggtgtgat aattgctttt agtttaccat taggatagga caaaaggagt 25980

tccaagggtc tccactTggc cctctacag tattagctct tTctctacat cccagtgtgg 26040

aaattagatc atTTTtaag catgtTggct ggGcacagtG gctcacacct gTaatctcag 26100

cacctTggga ggGgaagatg ggGcagatcac tTgaggtcag aagTtcaaga ccagcctggc 26160

caacatggTg aaacccTgc tctactaaac atacaaaaat gcacacctgt agTcccagct 26220

actTgggagg ctgaggtagg agaatcgctt gaaccaggga ggGagaggtt ggagTgagct 26280

gagatcatgc tGctgcactc tagcctgggt gacagagtga gactcagtct caaaaaaaaa 26340

agcatgtcta catatagtct acatatatga tacattaaaa ctatagaaat aactataggg 26400

tagatcctat aagatagacg agcccaaact tcatttacca cttgatatgg tttggatttg 26460

tgtccccacc caaatctcat gttgaagtgt aatccccaat attgggggag ggactggTta 26520

tgggtgactg gattatgggg gtggattttc cccttgctgt tctcatgata gtgagtgagt 26580

gctcatgaga tctggttgtt tgaaagtgtg gcacttcctt ctttgttctc tctctccctc 26640

tccctctccc tctctctctc cctctccctc tcctctccc tctcccttc cctctccatc 26700

tccatctccc tctccctctc cctctctccc tctctgctc tgccatggta agacatgctt 26760

gcttcccttt tgccttccac catgatTTta aatttctga ggccgcccag ccatgcttc 26820

catgtagcct gtggaactgt ggatcaattt aacctcttct tttcataaac taccagact 26880

caggtagttc tttatagcag tgcgagaatg gactaatatg gaaaattggt agagaagggg 26940

ggcattgcta taaagatgcc tgaaagtgtg gcatcgctt tggaaacttg taatgggcat 27000

aggatggaac agTTTTtagg gctcaaaaga tagtaagatg agagaaagt tggaaacttc 27060

tagagactta gtgaatggtt ttgacaaaaa tGctgatagt gatatgtgat atggacaatg 27120

aagtccaggc tgaggaggtc tcagatggaa atgagcaact tatTgggaac tgaagttaaag 27180

gtcactcttg tgatgcttta gcaaagaggc tggTggcatt gtgcccctgc tctagagatc 27240

tgtggaactc ttaacttgag agaaatgatt tagggatatct ggtgaagaaa tttctaagca 27300  
 gcaaagcatt caggaagtgg cctggctgct tctaacagct taggctcata tgtgttcaca 27360  
 gagatggctc gaaattagaa cttatatatta aaatggaaac agagcataaa agattggaaa 27420  
 atttgaacc tgatcatgtg gtagaaaaga aaaaccatt ttttggaag gaattcaagc 27480  
 cagctatgga aatttgata agtaaggagg agcccaatgt taatagcaa gacaatgggg 27540  
 aaaatgtctc caagacattt gagagacctt tgtatcagcc cttcttatca caggcctaga 27600  
 gtcctagaag gagaaaatgg tttcatgggc cagggtccaaa gcccactgc tctttgaagc 27660  
  
 ctggggacct ggcaccttgc actgtggctg ctccagctcc agccaaggct aaatggggtc 27720  
 agggtagacg tcaggccatt atttcagaga ctgcaagtcc caaaccttgg cagtttctac 27780  
 atgggtgttg gcctgtgggt gcacagaggg caagtgttaa tgcttgaaag cttctaccta 27840  
 gatttcagag tgtgtatgga aattcttga tgtccaggta gacgtctgct gcaggggcgg 27900  
 agcccttatg gagaatctct actagggcag tgcagaaggg aaatgcggca tcagagtccc 27960  
 cacacagagt cctcacttgt gcaactgcca gcagagctgt gagaagaaag tcaactgtcct 28020  
 ccatacctca gaatggtaga tccactaaca gcctgcaactg tgcacccgga aatgccacag 28080  
  
 tcaactcaaca ccagcctgtg aaagcagctg tgggggcat aacctgcaga gccacagggg 28140  
 tggagccacc taaggccttg agagttcacc tcttgcatca gcatgacttg gatgtgatac 28200  
 atggagtcaa aggagattat tttggggcct taagatttaa tgactgcct gctgggtttc 28260  
 gcaactgcat gggacctgta gcttctttgt tttggccaat tttccaatt tggaaaggga 28320  
 gcatttacc aatgcctgta cccattgta tcttggaagt aactaatttt ttttttttaa 28380  
 ttttataggc tcataggcag aagggacttc ctagtctcag atgagacttt ggacttggac 28440  
 ttttgagtta atgctggaat gagttaaacc tcggggggac tgttggaag gcataattat 28500  
  
 gtttttagtgt gagaaggaca tgagattttg gagggggcag ggtggaatga tattgtttgg 28560  
 atttgtgtcc ccaccaaatt ctcatgtcct attgtaatcc ccaatgttgg gggatgaacc 28620  
 tgatgggagg tgattggatc atgggggtgg atttctcct tgcattctc atgatagtga 28680  
 gtgaattctc atgagatctg gttgtttgaa agtgtgtagc acttccctct ttaccttctc 28740  
 tctctctcct gcaccacat ggtaagatgt gcttgcttcc ccttcacctt ttgcatgat 28800  
 tgtaagtctc ctaaggcctt ccagctgtgc ttctgtaga gcctgcagga ctgtaagtca 28860  
 attaaacctc ttcataaatt acccaatctc aggtagtctt ttatagcagt gtgaaaatgg 28920  
  
 actaatacat cacctgaaca ccataaatgt tctctttggc tactgatccc cagtgggtgtt 28980  
 ttgagtgcct gaactagcat tcattcacia ccattatata gaattcttca aggatatata 29040  
 gaatctttaa tttctctcaa taaaaggctc aaacttcact tgaatcatat tagcaagttt 29100

aatccacatt atttgtttat ctggagagct agcatatgtc tacatatgta tgtatgcata 29160  
cctatttatt ccaaaactga tttaaagtgt gcacttatct aagaagttgt agtagccaag 29220  
gtggtacact gctcagatgt tacttcagga gaaactgctt caaggaacat aattgtcaga 29280  
cagtttccag ctgttacacc ttggatctg ctgcagtgtt tatgccaagg ccatgctcac 29340  
  
cccagctgc tactagccaa tagctgaaca tattggggta tgaaagccat gccattctgc 29400  
ctgatgcctc ttacagtagg caatctttgc tccaggactt cccatcagcc tggccaagac 29460  
tttctcagaa tcacactgca ggccgaagct ccttttctc agtcctctctg ctttccctcc 29520  
tggttttctc tctcccttt cacaggtgtc agatccacat tgtgttcaaa gagctctctt 29580  
ctcctatttc tgatacctca cttgtttatc ctctgtaggt gtttctccta atacatctct 29640  
tgcacatctg gticcacctt ggcatctgta tctttgagga cctaaacaga cacagaaatc 29700  
aagtaacaat gcaaaaagcc tgacgctcac tgactattag attgttgaca aatataagat 29760  
  
tgctgggcct tgggaaagca taatttcaact tgttcctaata aactgaaaat gctttttgaa 29820  
aaactaaata tgccatgcat aaagggccta agatttaggt tttcctgtag aaaaacatct 29880  
gtgccttagt gggaagat cactttttaa tataaaat ttaaaatgaat ccagggaaga 29940  
cattaaatc ccaggattga ggacaataac caagaacctg aacagcattt acgtgtttgt 30000  
tggtctctgc tttctttatc ttgccctctt tgcttctgc tttatgttat aaagtgttaa 30060  
tgtgtcaaaa atgaaaaatg tagggttgggt gtgatgttct caacaggctt cttgaaaaat 30120  
attttttca tctttcaaga atcagctaaa attgaatttg gcattgtttg ccctttgttg 30180  
  
cctaggcatt ggggtcagac tcttgtctga cctaagtga gccatgatgg acagtctgt 30240  
agagggcatt atcacagcct aatcagataa actgaaagca aaattgtttt tctctctccc 30300  
acagaatctg ctctccatt ttcttctct tttatatct tttctaactt gccctgtgaa 30360  
ttttcaagac atagtaagat tttattgtta ttactgagat agattggttg cagaaactgt 30420  
tgtatgaacc aaatgtcttc tgcctttag atagacttcc tcaggaacta agagcagtgt 30480  
ctgtacgct caggtaacaa gtcactgcca actctgtaat acgttttaac ctgatgcaga 30540  
agtaggggcc ctgctgtttt ctggattctt tagccttttg ttcaatgtaa taatgcattt 30600  
  
aatcatggga gaatttaaaa catttacctt gtaatagtag caataagtct aagtccaaa 30660  
tcaatagaaa cctggcaaaa aatactcaga ctaaacaaaa ttaccaagaa caacgacaaa 30720  
aaccaaatcc taagagccat aaaggaatcc cttttttgta catgtttaat ttacatttt 30780  
agcaaaaata aaaaataagg aagcaataag tttaggtttg ggctgaagat gcaatgaaaa 30840  
tataggctta tgagaaagta aaatactaata aaaatagtat ttgtcttctc tgctggggga 30900  
glaagtgaag gaaactaata tttcttgcat ttatgctatg tgccaaccct tgtgctggat 30960

gctttttata tatattatct tggccctccc cagaaccag aaaagttttt ttttttttc 31020

tagacagggt ctactctgt caccaggcc ggagtgtgt gactcaatca cgactcactg 31080

cagcctcaac cctctgggt caagtatcc tcccacctca gcctcccag tagctgggat 31140

ttcaggtaca tgttatcaga cccagctaatt ttttttaaaa attttttgta gagatggggt 31200

ttcccatgt tggccaggct gctcttgaac tcttgggtc aagccatctg cctgcctctg 31260

cttcctaaag tctgagatt acaggcacga gccacatag ccagctccca tgtcatcatt 31320

ttgtcagtga gtaaacctgag gcttagataa gtgaaataag ctgcctgaaa tcgcatgcgt 31380

ttgtggtccc tctgggattc aaaccagtc ctgtctgact ttaagttgtg gataaagaat 31440

gatttttgaa ctgtgaaggc taagcaaata ctggtgagag ggactaactc acacatgaga 31500

cagctaaata atgaagtaca tacagtctag agcaagcaa gaccaggct agtggtaatc 31560

actccctatg tattttgcca gtccctaacca gactctgaga gccctttaca agtgaagtca 31620

ctgcaactgc aattgggtgat ctttcaggaa ctaagtgagg aaaaggagga agcatggaaa 31680

gacttgagat gaagataagt agtcccaact ttcacaaacc cgggtataac ttcaataatt 31740

tctgttgctt ttgagacatg ttgagccctc agttgcctgg gcttgaggga agttagtacc 31800

agaactcaga gaaaggactt ggttataagg ctgattccaa ggagtgcata aaactttcta 31860

atatctgata ctggaaatgg gaatgaagag ttcagtcttg atttaacta gctccattat 31920

tctaggagggt gggacataag gaaatataga cagcagatga catttgaatt aacataaggg 31980

gcatagaatg gcaagcagcc tgttgggagc cagaccagtt aagagttaa agacaagatt 32040

cagccactg ggaaagtgtg ctgttaacta caagtcagag taataggact tcatcagaag 32100

ggctggaact aatttttgcc tatctcttg accaagattt gacaagagt acggaagagg 32160

aaacattcta catatagggg acattcctac atattgctag tagaaatga aattaatata 32220

gtacctacag agagagtatc ttggcagtat ctgttggaat tacaattca cattttctt 32280

aaccaacaa gaccactttt aggttttgaa ctgttagaaa tactcaatgt acacagtcatt 32340

gtatatataa agacatttct gcaggattct tgaaggggc aaacaaatta tagaattcct 32400

tgtctcttga ctaggatttt tgtatagggt ttataattcc ctcttagggc tttcagtagt 32460

taccacttag ctattatttt tataataaat gagtttattt ttaaattatt atgttaattc 32520

ataattatta tgataattaa agccaaaatt gtattatata taaatatata tacatatatc 32580

taaatattta cacattagtt taagcaagat tatgttgta aagctatttt cagtttaatg 32640

tgatacagtg tttgtttgt taatagtgt tcagtttaagg cagatagcca tatcaaaagc 32700

atttgatggc ctggcgcggt agctcacacc tgtaattcca gcactttggg aggccaaggc 32760  
 aggtggatca ccagaggta ggagtttgat accagcctgg ccaacacggt gaaaccccat 32820  
 ctctactaaa aatacaaaaa aaaattagcc aggcgtgggt gcaggcgact gtagtcccag 32880  
 ctactcggga ggctgaaaca ggagaatggc atgaacctgg gaggtgcagc ttgcagttag 32940  
 ctgagatggt gccactgcac tccagcctgg gtgacagagc gagattccat ctccaaaaa 33000  
 aaaaaaaaaa aattagccgg acatgggtgt gtacacttgt aattccagct actcgggagg 33060  
 ccgaggcagg agaattactt gaacctggga ggcggaattg cagtgaacca agatcacacc 33120  
  
 actgcactcc agcctaggcc acagagttag actccatctc aaaaaaaaa gagcatttaa 33180  
 taagcatttc aatttttaaa attaaaggaaa ttttggtttt gactataggt cctagtcaag 33240  
 tctttccaga actgatatgg ccaacctctg ttgagcaatg tggatgttag aagatgggga 33300  
 gccagttagg gactgcaggt taagggtgt gttagtaagct gttaggagca aggccaccta 33360  
 agtccccca cttaaattcc cagtcgtttc atttctgtt ttttctttt gtccccaatt 33420  
 gtctttttt ttttgagaca gagtctcact gtgttgtgca ggctggagta cagtggcgca 33480  
 atctcagctc actgcaacct ctgcctccca ggttcaagca atttctctgc ctccagctcc 33540  
  
 tgagttagctg ggacgtcagg tgcattctgc cacaccagc taatttttg tatttttagta 33600  
 gagaccgggt ttcaccgggt tgcccaggct ggtcacaac tcctgagctc aggcagtcga 33660  
 cctgccttgg cctcccaag tgctgggatt acaggcgtga gccaccaggc ccagctccca 33720  
 gtgtcttaat gtagtactct aggtggatga gaggattggg gtcaggaaaa aagtctggt 33780  
 agtcaaagaa tagagctggg tttgatttga aaagacaaga taatggacag tttttaagag 33840  
 atagagcttt ataggaagga agattgagat ttaagacgaa atatgtcaag aatgggtcag 33900  
 ttaagttcta cctggtatat cagatctcct tctttaagc ttcactctc attgacatac 33960  
  
 acagacagat ttaacaatt taaacaaaaa ttatagctaa ctcttaagta cttaatatat 34020  
 gccaagctt aatgctttat atgcattaac tctgtgattt cttacacctc tatgaagtag 34080  
 gtctattat aatccccatt taacataaag ttgaggaaag aggcctatac actaagttag 34140  
 ttgacccag acccatagct attcactata ctgtgtctct ctgtctacct catagggttt 34200  
 ctgtgagaat caagttagtt ttgtgtgtga aagtactttg aaaaccacaa agcatttgat 34260  
 acttgaaaac cagttctcaa gagatagaaa atgttattca ctctactctg tggaacaatt 34320  
 ctttaaaaac aggacttga aagcaagcta ctgtcaaac taaaataaaa ttaacctcaa 34380  
  
 attagaggag cactttttag tgacaaaata agtactaaga aaatacaaca ataaaaagaa 34440  
 aaaatgacat acaatcaaga tacaagacta attgtaattt ttaaaatggc cttttttgat 34500  
 ggggtgagag tttttcacag agctgaaagc tgtgattgca ttgccacatt ttacaaaaca 34560

gtctctggaa caggattgac ctggctatca aaggataatt acatggccta atagattgtc 34620  
cctaccttca actgctaatag aagcccttgg aaaatgtatc cccacttaa cgaatgaggc 34680  
tgaaaatgcc aagaagcctt ttgccaagga tgtgttctct aggctcaggc tgaattcatt 34740  
atcttgtag agtattacca ccaagccaac catgggcaat ttagcatgcc acatttcaag 34800

cagaatttaa ttcactctcg tgtgccataa atgagacaaa taccctgtga tcaggtgaca 34860  
gctgtcagta atgccataaa cagaaagtat taatgtaagt ggtgaattcc tcttaatcat 34920  
acccccatta aaagctggta caaaaattag ggggtgtgtg tgtgtgagag agagagattg 34980  
tgaggaaagg catgcataaa atagtctgat tactttacga tactcaactc cacttttgtt 35040  
ataaaacctc actatatttc ataccaaaaa acaacaggta aatttcttga tgaaagaaag 35100  
tacctctgag ttacctttg tctgaaaatg tatgtctttt tatggaattg cctagctctg 35160  
aagatagcta ttgcttataa agactagttt gttcttctt tctttctttt tttttttttt 35220

tgagatggag ttcactctg tgcgccaggc tggagtgcag tggcgtgatc ttggctcact 35280  
acaacctttg cctcccgaact tcaagtatt ctctgcctc agcctctga gtagctggga 35340  
ctacaggctg acaccaccac gcctggctaa ttttttgatt tttagtagag atgggttttc 35400  
accatgttag ccaggatggt ctgatctcc tgaccttgatg atccaccac ctgggcctcc 35460  
caaagtctg ggattacagg catgagccac cgcgccagc cagtttgctc tttctttaag 35520  
accacatgct ttccttaatg tagcaaatct aaaagcaggg acatttgaa tgttactcaa 35580  
agtgggaggg agtcctacca cccagggagc ctgacatccc agtcagaaag tgacatatga 35640

atgtattaag aatgggcccc acatctaaca ataaaaaaaa tgggttacct taaacaccat 35700  
tttttgaaca ctiactgctc ccaggctctg aacatctgaa gaaacatctg agagacacca 35760  
aggatgcagt gagaatcttt tttctcatta gatgtaagag cagctctcag ttttttggg 35820  
catcagagtt acctaggaag agttgggggt tgtattttgc agtctctgga gtcagactac 35880  
ctggttttac atctgtctc tgctgtttgt tagttgtatg atcaagggtg ttacttacc 35940  
tcagtaagtc tagtgcttct gtttgtaaaa atgaaagggg gaatagataa aaatagatct 36000  
atcttattaa gtaaagatgg actgatataa tgcctggtgc agtttcaggc atatggtgag 36060

catgcaataa ataaatacta gctcatttat tattagtagt agaattatgt ttcttctcct 36120  
accagagtg agacattaat tgatcaaaat gtgtcataca cctcatgtgg attggggcaa 36180  
aacaaaaacc aaaagagaaa cacagttttg tgcaataatt taaatctctt aaataaaaaa 36240  
tgtagagaag ttgctgttag taaaatgtac tgacttttca tttttatta attcaatgat 36300  
atctgttctc aaatattata ataatgctg tttgagccca agtataaatc tgatttgtga 36360  
cttgccctca agaaccacag tcttgtcatg gagaggagag gatgttatga ttgggaagca 36420

gtggtggggc actagaaggg gtgggtcttc tggagatctg acaaaattcc atttcttgac 36480

ctgggtggca gtctataat aataaagtta tgcactata ttatatgtac tttttggtgt 36540

atatgttata gtcacagtaa aaatgtcttt aattgtggta tgtgagtgat ttgtatctca 36600

gtttaaaaaa attatatggg atattcctga ataaaccttg gggaatgttt ctttctttct 36660

tttttttttt tgtgataaga gtctccctct gtgccccacg ctggagtgcg gtggcgtgat 36720

ctcagctcac tgcaacctcc gtgtcctggg ttcaagcgat tattctgcct cagcctccca 36780

agtagctggg actacagaca tgtgccgcca tgtccagcta atttttgtat ttttagtaga 36840

gacggagttt caccatatig gccagactgg tctcaaactc ctgaccttgt gatccgcca 36900

ccgcggcttc ccaaagtgtt gggattacag gtgtgagcca ccacggccgg ccaggaatgt 36960

ttcttagaca aagcatcaaa agcacaagca accagcatat gttaattagc ttgatttagc 37020

cattctgcaa tgtatacata ttgaaagcaa caagttgtac aatatatacg atttttattt 37080

atcagtaaga aaaaaagcac aagcaatcaa agttaaata gacaaattgg actttattaa 37140

aattaaagac ttgtgcttca aaggatacta ttgagaaagt aaaaataata cctatagaat 37200

gcaagaaaat atttgtaaat tttctatctg ataagagtct ggatcttaga ctatatgaag 37260

aattattatg actcaacaat gacaaggctg ggtgtggtgg ctcatgcctt taatcccagt 37320

gctttgggag actgagatgg aaagattgct ttaggccagg agtttgagac cagcctgggc 37380

aacatagtga gaccccatct ctatgaaaaa ttttaaaaat tagctggaca tggtagcatg 37440

tacctgtagt cctaactact ctggaagctg aggtgagagg attgcttaag cccagcagtt 37500

taaagtigca gtgagctatg attatgccac tgcactccag cctgggcaac agagcaagac 37560

tctgtctcaa aaaaagaaaa aaaagaagac aacccattt taaaatgggc aagaggtttg 37620

aacagatatt ttccaaaaa agatatataa atggtaata agcacatgaa aagatgctca 37680

atatcattaa tcaccaggga aatgcaaact aaaaatacaa tgaagtatca ctttatacc 37740

tctaggatgg ctgtactcaa aaggacagac aataaaaagt gttggccagg atgtgaagaa 37800

attaaaactc tcacacattg ctgggtgtgaa tgtaaatgg tatagttgct ttggaaaacg 37860

actggctatt tcctcaaaaa gttaaacata gaattacat gtgtcctagc aattccattt 37920

ctatccagga aaaattaaaa cataagtcca cacaaaaaac ttgtacatga atgtttatag 37980

caataacaaa aaagtagaaa aaaaattttc atcaactgat ggaaaaataa aatatggtgt 38040

actcattgat gaaatattat tcagtcatat aaaagaatga agtactgatt catgctacag 38100

cacagaggaa cattaaaacg ttatgctatg tgaaagaagc cataaaggcc acacattgta 38160

taattccatt tataagaaat gttcagaata agcaaatcca taaacacaga gagagtatta 38220  
 gtggttgtca gggactatgg gggaggatgg atgggagagt gactactaga gggtagagga 38280  
 cttaatttta gtgtaataaa aaatgttatg aaattagata gtggttaagat tgtaagactg 38340  
 aatatgttaa aaaccactga cttgtgtact ctaaaaagct gaatattctg gtaagtgaat 38400  
 tattatctca ataaaaataa taaaatacaa agtatgggat agttccatgc tttgtaatgg 38460  
 ttatatittga ctaaattata gattgtacaa agagagtaat gggaaataaa ttttaaaata 38520  
 taaattgaaa tcaaattata aaaggcttta ttagtgagaa gctgtcagta gagaaccatt 38580  
  
 aaagatttct gaggccaggc atggtggctc acacctgtaa tcccagcact ttgggaggct 38640  
 gaggcagggtg gatcaactga ggttgggagt ttaagaccag tctggtcaac atggtaaaac 38700  
 ccatctctac taaaaataca aaaaacaaca acaacaaaaa gccagacgtg gtgatacatg 38760  
 cctgtaatcc cagctacttg agagctgag gcaggagaat tgcttgaacc tgggagggtg 38820  
 aggttgcagt gagctgagat cgcgccactg cactcctgcc tgggtgacag agtgagactc 38880  
 tggctcaaaa aaaaaaaaaa ttttttttg agaaagttag gaatgtgatt agagcgtggg 38940  
 tcaagaaatt tagtctagca tcattttgat tcactctcgc gtctttccta gcctttgtac 39000  
  
 tagagaggac agtgattatg tactttgtag cttagttttg tcttagggaa tacatatgat 39060  
 tttagaaatt tttcaaagga ctggatcata ttagcctggg aaattgaatt atatgtcgtt 39120  
 ttgtaataat acaatgtata tgaatatata caagcattac ctcatttcat aggaaagagg 39180  
 tgatagataa aatgagaaaa agcgagattt tggttgtgtt tactaataca tatttctgat 39240  
 ttggagaact gggaaggga aacataactg tattagtcta agtctcaatg ggttgctata 39300  
 ttagaataat tactaagggt ttgtcaagga ctgtgaagga tctgagaatt gaccttacca 39360  
 gcaagctaac aaattaacct gccatagttt catgaatgct ggcagaagac acaagacttt 39420  
  
 tgggtcagag ataaaggact tttgcatttt atcatagttg atttcaactt tagttagtgg 39480  
 aagagttaac tagttacaca atttttagaa atgtaatcaa attagtactt gaaagctcca 39540  
 atatatattat tgtaaaataa aatatccaat gcagaagttg cataaaacct gtttctcaca 39600  
 ttgctttttg aatacatgct taagggacat ttaagagtct atggcaaagtg ttggctcttt 39660  
 ggattgaaaa ccacaagcta aaaaagaata ttaaggaaat ccaaagcaaa tcaattgatt 39720  
 tataccaagc actcaatttt ctcaacacag ttcttcagaa gacagtttca gtaaattgtg 39780  
 ttaaccacag attcattgtt tacaatagct ttcattaatg taacattcca cagtagggaa 39840  
  
 aaaaatttta caatgagiga gaaaacactc tgtaattaat tctcctagtg ttttctacaa 39900  
 tattccaaga gatctgtgtg gatcacaaaa caatactgtt ttttaaaaaa attctgttct 39960  
 agaaatcaca tgaacaatc ctacctgtaa ctgcaattgt atttatattt atttaaatct 40020

gatgaactgc atgggcatac aacacaatgt gagggcaatt gtgccagcag aatatgtcta 40080  
tgatcaggca gtatgctgag aaccagcagg tgggggaaaa tgagacttgg gggactacag 40140  
ggaatgaatc tggaggcagc agcaatTTTT tagaataatt tgaaaaccct ttgttttgaa 40200  
ggatttggtt acctaattag gttagagaag cttgtgtgct ttgtacacaa ggagagatga 40260  
  
tctctatgct tttcctagac tctcaaagcc atttgtgtta attatatgac ctccactaag 40320  
cactcaaggt ctggcctatg atatgttttc tgtactcttc caaatgctca tacattcatt 40380  
attaagaaac ttggcttcag agcatcagat tactgcattt cttglaaacc agcttagtgg 40440  
caacaaaatc caattcatct ctagacattg ggttttctta gatgagctct tctatTTTT 40500  
tgtcccttgg ttaaagaaga gctgcaaata ggtctgcaga gctacttggg tatcagtttt 40560  
acttactatc aaaagatctg actgtataac ctttgttctt agatatttgc tgtgtgtaat 40620  
ttattttatt ttttggttac taaaacattt tcctttttct taagcagaaa tagcacatga 40680  
  
ctaagaatta gaatatgcag tctctccttt catctcttaa tccctcacat ataacctgat 40740  
gcattaagat aatgcttttg ggaatgtgct atgggtttca acaacatgtg tgactgctaa 40800  
tgagctggga taggcttggc tatgatTTCT ctaaggctgg agttcctacg agtgtggaga 40860  
aatacatatt aaaggattaa agatataaga gaatgttcat gaactatatc ttaactagtt 40920  
cttgTTTTa attattttat ttttgagac agagtctcac tctgttgccc aggctggagt 40980  
gcagcggcct catcteggct cactgcaagc tctgcctcct gggttcacgc cattctcttg 41040  
cctcagcctc ccaagtagct gggactacag gtgcccacca ccacgcccg ctaattttta 41100  
  
atatttttag tagagatggg gtttcaccgt gttagccagg atggtctcga tcttctgacc 41160  
tcgtgatcca cccccactc ggcctcccaa agtgcctagga ttatgggcgt gagccaccac 41220  
acccggccta tcttaactag ttcttatggc tgaataaga cagagagact gggaacattt 41280  
cctaaccaaa ataggatttg gttaaacttt gtatgcggta agaggaaagg acagaccctc 41340  
ttagaaaact cagaccattg ccccttgct caagactgca cataacataa tcctctttct 41400  
gtttttgctt gaattgccca gatgtcaca gccattcata atgttcacag tgactatatt 41460  
aatttttaaa ttttggaatt attctcatga ttttttatca tatatacata tatattgttt 41520  
  
gtataggtgg tatatgtgtg tgcatatata tagaaaatat atacatttac ctataattgc 41580  
ttttggaac aagtgagata tcaagaacat gttaaagaac agatgatgtg attttgtggc 41640  
tggcaagatg gccgaatagg aacagctctg gtctgcagct ccagtgaga tcaacgcaga 41700  
aggcaggtea tttctgcatt tccagctgag gtaccagct catctcattg ggactggtta 41760  
gacagtgggt gcagcccatg gaggttgagc agaagcaggg tggggcatcg cctcacctgg 41820  
gaagtgaag gggttgggga actccctccc ctagccaagg gaagtcatga gggactgtgc 41880

tgtgaggaat ggtgcattct ggcccagaca ttatgctttt cccatggtct ttgcaaccca 41940  
  
 cagaccagga gactctcttg ggtgcctaca ccaccagggc cctgggtttc aagcacaaaa 42000  
 ctgggcgggtt gtttgggcag acaccgagct agctacagga gtttattttt cataccccag 42060  
 tgggtgcctag aatgccagca agacagaatt gttcactccc ctggaaaggg ggctgaagcc 42120  
 agggagccaa gtagtctagt tcagcagatc ccaccccat ggagcccagc aagctaagat 42180  
 ccactggctt gaaattctcg ctgctagcat agcagtctga gctccacctg ggacactcaa 42240  
 gtttgggtggg gggaggggca tccgccatta ccaaggcttg agtaggcagt tttccctca 42300  
 cagtgtaaac aaagccactg ggaagttaa actgggcaga gccactgca gcttcacaaa 42360  
  
 accactgtag ccagactgcc tctctagatt ctgcctctct aggcaggaca tttctgaaag 42420  
 aaaggcagaa gccccaggca ggggttgata aataaaactc ccatctccct gggacagagc 42480  
 acctggggga aggggcagct atgggtgcag cttcagcaag cttaaacatt cctgcttgcc 42540  
 agctctgaag agagcagcag atctcccagc acggtgctcg agctatgcta agggacagac 42600  
 tgctctctca agtgggttca tgacccctt gcctctgac tgggagacac ctcccagtag 42660  
 gggatgacag acacctcata taggagagct ccggctggca tctgacaggt gccctctgg 42720  
 gatgaagctt ccagaggaag gaacaggcag caatatgtgc tgttctgcag actctgctgg 42780  
  
 tgataccag gcaaacaggg tcttgagtgg accttcagca aactctagca gacctgcagc 42840  
 agaggggccg gactgttaga aggaaaacta ataaacagaa aggagtaaca tcaacatcaa 42900  
 caaaaaggat gtccactcag aaaccccatc tgaaggtcac caacatcaa gaccaaaggt 42960  
 agataaatcc acgaagatga gaaaaaaca gctcgaaaag gctgaaaatt ccaaaaacca 43020  
 gaacgcctct tcttctcaa aggatcaca ctctcgcca acaagggaac aaaactggat 43080  
 ggagaatgag tttgacaaat tgacagaagt agggtagaga aggtatgtaa taaactctc 43140  
 tgagctaaag gagcatgtcc taaccaatg caaggaggct aagaacctg aaaaaaggtt 43200  
  
 agaggaattg ctaactagaa caccagttt agagaagaac ataatgacc tgatggagct 43260  
 gaaaaacaca gcacaagaat gttgtgaagc atatacaca gtatcaatag ctgaatccat 43320  
 caagcagaag aaaggatatc agagactgaa gatcagctta atgaaataaa gcatgaagac 43380  
 aagattagag aaaaaagaat gaaaaggaat gaacaaaacc tcaaaaaat aggggactat 43440  
 gtggaaagac caaacctaca tttgattggt gtacctgaaa gtgacgagga gatggaatca 43500  
 agttggaaaa cactcttcag gatattatcc aggagaactt cccaaccta gcaagacagg 43560  
 ccaacattca aattcaggaa atacagagaa taccataaag atactctca agaagaacaa 43620

ccccaagaca cataatcatc agattcacca aggttgaaat gaaggaaaat acgttaaggg 43680  
 cagccagaaa gaaaggtcgg gttaccaca aaggagagcc catcaggcta acagtggatc 43740  
 tctctgcaga gaccctacaa gccagaagag agtgggagcc aatattcaac attcttaaaa 43800  
 gaattttcaa cccagaatit catatccagc caaactaagc ttcacaagct aaggagaaat 43860  
 aaaatccttt acagacgagc aactgctgag agattttgtc accaccaggc ctaccttaca 43920  
 agagcttctg aaggaagcac taaatatgga aaggaaaacc cagtaccagc cactgcaaaa 43980  
 acatacaaaa ttgtaaaggc cgttgacact atgaagaaac tgcatcaact aacaggcaaa 44040  
  
 ataaccagat agcatcatalc tgacaggatc aaattcacac ataacaatat taaccttaaa 44100  
 tgtaaatggg ctaaattgcc cttaatagac cgattaaaag acacagactg gcaaattgga 44160  
 taaagagtca agacccatcg gtgtgctgta ttcaggagac ccatctcatg tgcaaagaca 44220  
 cacataagct caaaataaag agatggagga agattttacca agcaaatgga aagcaaaaaa 44280  
 ggaaaagcag gggttgcaat cctagtctct gataaaacag acttcaaacc aacaaagatc 44340  
 aaaaaagaca aaggcattac ataatggtaa agggatcaat gcaacaagaa gagctaacta 44400  
 tcctaaatac atatgcaccc aatacaggag caccagatt cataaagcaa gtctcttagag 44460  
  
 acctacgaag agacttagac tcacacacaa taatagtggg agactttaac accccactgt 44520  
 caatattaga tcagttagac agaaaattaa caaggatatt caggacttga actcagctct 44580  
 ggagcaagct gacctaatac acatctacag aactctccat cccaaatcaa cagaatatac 44640  
 attcttctcg caccacatca cacttactct aaaattacct acataattgg aagtaaaaca 44700  
 ctctcagca aatgcaaaag aacggaaatc ataacaaca atctctcaga ccatagtga 44760  
 atcaaaactag aactcaggat taagaaactc actcaaaacc gaacagctac atggaaactg 44820  
 aacaacctgc tctgaatga ctactgggta aatacgaat taagtagaa ataataaggt 44880  
  
 tctttgaaac caatgagaac aaagatacaa tgtaccagaa tctctgggac acagctaaag 44940  
 ccgtgttttag agggaaatit atagactaa atgccacaa aagaaagcag gaaagattta 45000  
 agatagacac cctaacaatc caattaaagg aactagagaa gcaagagcaa acaaattcaa 45060  
 aagctagcag aagacaagaa ataactaaga tcatagcaga actgaaggag atagagatac 45120  
 gaaaaaccc tcaaaaaatc aattaatcca gaagctgggt ttttgaaaac attaacaaaa 45180  
 tagactgcta gccagactaa taaagaagaa aagagggaag catcaaatag atacaataaa 45240  
 aaatgataaa ggggatatca ccagtgatcc cacagaaatg caaactacca tcagaaaata 45300  
  
 ctataaacac ctctacacaa ataaactaga aaatctaaaa gaaatggata aattcctgga 45360  
 cacatacacc ctccaagac taaaccagga agaagttgaa tccttaata gaccagtaac 45420  
 aagttctgaa attgaggcaa taattaatag cctgccaacc aggtaggcta ttaaaaaaaa 45480

aaaagcccag gaccagattc acagccgaat tctaccagag gtacaaagag gagctgtacc 45540  
 attccttctg aaactattcc aaacaataga aaaagaggga ccccccccta actcatgttt 45600  
 aactcatttt actcctccca gcatcatcct gataccaaaag tctggcagag acacaacaaa 45660  
 aaatgaaaat ttcaggccaa tatccctgat ggacattgat gcaaaatcct taataaaata 45720  
  
 ctgacaaacc ccaaatccag tggcacatca aaaagcttat ccaccacaat caagtcagct 45780  
 tcatccctgg gatgcaaggc tggttcaaca tgcacaaatc aataaacgta gtccatcacg 45840  
 gaaacagaac caatgacaaa aaccacatga ttatttcaat agatacagaa aatgccttca 45900  
 ataaaattca acacccttc atgctaaaaa ctctcaataa actaggtatt gatggaacat 45960  
 agctcaaaat attaaaagat atttatgaca gaccacagc caatatcata ctgaatgggc 46020  
 aaaagctgga agcattccct ttgaaaactg gcataagaca aggatacca ctctcaccac 46080  
 tcctattcaa catagtattg gaagctctgg ccagggaat caggcaagag aaagaaataa 46140  
  
 agggtattca aataagaaga gaggaagtca aattgtctcc gtttgcagat gacatgattg 46200  
 tatatttaga aaaccccatc atctcagccc aaaatttctt taagctgata agcaacttca 46260  
 gcaaagtccc aagatacaaa atcaatgcgg aaaaatcaca agcattccta tataccaata 46320  
 atagacaaac agagagccaa atcatgagcc aaatcccatt cacaattgct acaaatagaa 46380  
 taaaatacct aggaatccaa cttacaaggg atgtgaagga cctcttcaag gagaactaca 46440  
 aaccactgct caaggaaata agagaggaca aatggaaaaa cattccatgt tcatggatag 46500  
 gaagaatgaa tatcgtgaaa atggccatac tgcccaaagt aatttataga tccaatgcta 46560  
  
 tccccatcaa tctaccattg actttattca cagaactaga aaaaattact ttaaatttca 46620  
 tatggaaccg aaaaagagcc cacatagcca agacaatcct aagcaaaaag aacaaagctg 46680  
 gaggcacac gctacctaac ttcaaactat actataaggc tacagtaacc aaaacagcat 46740  
 ggtactggta ccaaacaga tacatagacc aatggaacag aacagaggcc tcagaagtaa 46800  
 tgccacacat ccacaacct ctgatctttg aaaaacctga caaaaacaag aaatggggaa 46860  
 aggatccct atttaataaa tgggtgttggg aaaactggct agccatatgc agaaaactga 46920  
 aactggacce cttccttaca cttatacaa aaattaactc aagatggatt aaagacttaa 46980  
  
 atgtaaaacc tgaaagtata aaaatcctaa aagaaaacct aggcaatacc attcaggaca 47040  
 taggcatggg caaggacttc atgaataaaa caccaaaagc aatggcaaca aaagccaaaa 47100  
 ttgacaaatg ggatttaatt aaactaaaga gcttctgcac agcaaaagaa attatcatca 47160  
 gagtgaacag gcaacctaca gaatgagaga aaatttttgc aatctattta tctgacaaag 47220  
 ggttaatatc cagaatatc aaagaactta aacaaattta taagaaaaaa acaaccccat 47280  
 caaaaagtga gcgaagcata tgaacagaca tttctcaaaa gaagacattt atgtggccaa 47340

caaacatatg aaaaaaagct catcatcact ggfcattaga gaaatgcaaa tcaaaaccac 47400  
  
 aatgagatac cgtgtcatgc cagttagaat ggtgatcatt agaaaggcag gaaacaacag 47460  
 gtgctggaga ggatgtggag aaataggaac atttttacac tgttgggtggg agtgtaaatt 47520  
 agttcaacca ttttagaaga cagtgtgggtg attcctcaag atctagaacc agaaatacca 47580  
 tttagacntag caatcctatt actgggtata tacccaaagg attataaatc attctataaa 47640  
 gacacacgca cacgtatgtt tattacagca ctattcaca tagcaaagac ttggaactga 47700  
 ctcaaatacc catcaatgac agactggata aaaaaatatg gcacgtatat accatggaat 47760  
 aatatacagc cataaaaaag gatgagttaa tgcctttgc aggggcatgg atgaagctag 47820  
  
 aaaccatcat ttcagcaaa ctaacacagt aacagaaaac caaacactgc atgtttcat 47880  
 tcataagtgg gagttgaaca gtgagaacat gtggacacag ggagggaat attacttact 47940  
 ggggcctgtg gtgggtggg gggctagggg agggatagca ttaggagaaa tacctaattg 48000  
 agattgacgg gttgatgggt gcagcaaac atcatggaac atgtacatct atataacaaa 48060  
 cctgcatgtt ctgcacatgt attccagaac ttaaagtata ataataataa aaagaacaga 48120  
 tgatgtatcc agaattgttt ttttttctgt ctataacctt tagttagcaa tttctatcaa 48180  
 ggcaatgcta aactcattat gaacaggaaa tagatgatac aaaacaaagc aaattaaaaa 48240  
  
 ataggtctgg gccagggtga gtggttcatt cctgtcatcc ccgcactttg agaggctgag 48300  
 gggggaggat tgcttgaggc caggagtttg agatcagcct gggcaacata gtgagacctc 48360  
 atctcttaag aaaaaaaaaa atttccagg catggtgtct cacacctgta gtccagcta 48420  
 ctggggaggc tgagctggga ggatcatttg agcccaggag ttggagacta tagtgagcta 48480  
 tggtttcacc actgcactct agcctgggct acagcctgag acccttactc taaaacaaac 48540  
 aaacaacaa acaacaacaa aaacaacaa aaagtcttag gagagctgat tacagtttag 48600  
 cggaagcagc cttttgactt tcccttcttt taataccagg gattttactt agattgcaaa 48660  
  
 actgtggatg tttgtggca acttggagtc tcaacatcta ttagcaaaaa agtaagagga 48720  
 ttgtaattac agtctaagct tcggagctgg ttgggcctga catttgagaa aatggataag 48780  
 gccagccctt tgctccctc tgccccacc cgttccctc tctgggacct aagctctctt 48840  
 gctgcccagc caaacctgtc gtcttgagaa ggcactgaag ctgctgacct tttctgctct 48900  
 gccaccaaaa atataaccac ccacagtctc tgttcagaga tggaatccag tgagatacct 48960  
 ataatacatt cacagtagat gtcagataat agaagaactc actcttctca tatcacatgg 49020  
 gaaacacact gttgtgcct ttccatcctg tttcaacaat tcagattatc tcaagattca 49080

gaagctgcga tgttaaatta ggggtcaact gtcccttgcc cccctccctt gtgacctcac 49140  
 ttctctgtct ctcatgata cttgtctgtct gcaaataacc tggactctgg gtactttttt 49200  
 catgtgaaag gaaggatttt gagctctttt tggctaaagt tgataagaag gatttgaaag 49260  
 tagcttagtt cctaattgag gttctctccc tgtctctaaa tataaataga aaaactcatg 49320  
 gaacatttgt gagagaagag ttatatgttt agttgcttag aacattttat tttagaaata 49380  
 aatatttagg gatacagcca ttcatggtgt ttcatgaac ttatccctta tgaatgcata 49440  
 tgatatgttc attcacctct ttgtagaagc ttgatcggtt ttgcacaaaa caggaagtag 49500

tagtagtggc agtatggatt tgggagggtg aagttagctt tggccaggtg atctctgcat 49560  
 atcagactat taaaggcagc gcctttacag aatgttggct gggctgtgac tcatgctttg 49620  
 ctttgcactc cctaaagagg ctttatgtat cgctctttg tcccttccca agtcatttga 49680  
 aaataaatag aagagagaat aatgtgatca ggggctctaa ttgtatttat tgcttatgta 49740  
 gggttgtagt agatacagg atgtttcctt attctttatg tcttgacat ctgaaatgtg 49800  
 tcataataaa tgatatttta aaaactaaa cagaacaact agttttggga atttgccta 49860  
 catagtcata tgactcatct gcatagatcc taatatgac atagcttggc catttccatt 49920

ttttctgttt ttctccttct taaacacaag tggaattttt attttattta tttatttatt 49980  
 ttttgcgttt ttcaatcttg gataggacta gttgcttccc accttttctg aggtacagaa 50040  
 aaaaataagt gcgtgtgcc atttgcttaa agatcagcag tttccatctc tgcaggtcag 50100  
 aaaggaagt aatacaatgt attggatcaa taagcacaga tatttgcaat actaactata 50160  
 ccaatttcaa aaacacagta agttgtatat ttaattgaaa gttcagaaag gacaaacagt 50220  
 agatgacagc taatacagtt tgaaaagaat gtttaaatg tgcagacaaa agattatttg 50280  
 cctataaaca agattgataa ttataatca tgtgatggat tgaatctctt tcataaatat 50340

ttgaataaga tgggatcaag gcagtaaagt tgatcatgaa gctttacctt gtcaatcctc 50400  
 atgagtgttg acaatacctg ttgggaataa accctgtagc ctggctgacc aactgatatc 50460  
 tatatcccaa tccactggca catcaataat tttgttaaag taaaaagaaa aagagggaga 50520  
 gggaactgtt tgtttgatgg tggatggaga aagtgtccca ggaaagaaa ctacatgctg 50580  
 gtgtcttagt ggcagccagg accaccctgt gtggacatgt agtttgtact ctgcatgact 50640  
 cctgggggca tcattcacat agattcctaa aggaatgacg ctctctatgg ttgtacaatc 50700  
 tcagccctag tggtaatcat ttatttggca atctggaaat gtttccagaa gtatcccttg 50760

tgaaggacaa aggtctactg tgtatcttgc atatttcatt attaaccctg tgacttgtgc 50820  
 tgagtaacta cttaatatct attcagtgtc aaaataagag aaaggcaact ttaaaaaaaaa 50880  
 aaccttttg agacataatt cacatattat aaagttcacc tgcctatagt atacaatgat 50940

ttttagtata ttcatggagt agtgaacta tcaccacgat caattttgaa acatgtcatc 51000  
 accacccac cccagaaaa ataacctca tgccattaa cagtcattct ctgttctct 51060  
 ctgccccag ctctggcaa ccacttatct actttctgtc cctacagatt tgctgattct 51120  
 ggacatttca tataaataga accatatact gtgtggcttt tggggcaag tttcttgac 51180  
  
 ttaacgtagt gttttcaagg tttatccatg ttgaagtagc atatatcagt actttatttc 51240  
 tttttattg ccaagttata ttccactgta tggctatacc acattttatt tatccattct 51300  
 ttagttgggt gacatctgag ttgcttctac ttttttggct attatgaata gtgctgttgt 51360  
 gaatattcat gtacattttg tttgtgtgga cataagcttt taattctctt aggcataat 51420  
 ctaggagtga aattgctgga gagaaaggca attttaattt agaaatctct acattatttg 51480  
 cttttatatt taaagtcac ttattaatgg tatatatctg gcttggctgg taattctggg 51540  
 tcctgtatca aacctccgc ttacaatccc catccatgtt gtgagccgtt aggtgaacca 51600  
  
 cagaaaattg aaatgtacta ctgggttagt ctctttgaac agggtcatac ttacattgaa 51660  
 ttcactctga tttattttt tgctactgca ctggaacac agacagtatt cactaagaat 51720  
 tggaaactata gactagaac agaggttccc tgttttcatt agtcaactct caaaggatgg 51780  
 aagcagccaa ttcagacta ttctagggct ctgctctct tagttgcttg ccatcctct 51840  
 ttcttttggc ctttttgcatt ttcatatgtg tcacttacag agctaagaga acacagataa 51900  
 ttcatccaaa gtatttttat agtctttagg tgaagaagaac ttttaatatg tgtgtcatct 51960  
 tggtttctat gtccttga aattatgttg tttaccctga aactatgaag aagctgcagt 52020  
  
 tgacttctt caacctaatc ttagcttcta gtattgtgct attggagtta ttattgagga 52080  
 tgataaaaag agtgtatagt attgaaggca aattgtttta gtgtgtaaat tataatttgt 52140  
 tttttttaa gggggttac taacagacta aggaccatca gaaagatttt tttaaataga 52200  
 ccatattttt agcaacgtta cacatagttg tagtggttat gactttgcaa aataaacatc 52260  
 gtcttagaat tgaggctcta gaattaatgg acttaagtct gatttttaaat ggccaaagc 52320  
 tatttaaact gtacatgcat taacaatttt cttagtggca tgtatacttg agtaggaggt 52380  
 tataaagagt agacaatgag aatgatgctg tttgactttt aaagggaaca ttgtttcatt 52440  
  
 ggagaggaat aaaatatgga cttctcttta agcaaggcag tttgcatttc tgttgccag 52500  
 atttcttag aatgtgataa agcattagcc ccaccatttc cagcatectc catttaattc 52560  
 ttcttagact cttttccaca gaatgaaatt gattgattca tggctgaggg tttgaaaaga 52620  
 gagccttggg gaaaatttta agaagtgttc caggaggcca taaagactgt tgacaggtgg 52680  
 ccaagccag gaaaaaagta ttagtaataa caacagctca ccctacatag ctcttaatca 52740  
 tatgtcaggc agtgcactaa acacgttaca tgtactaact catgtgattc tcacaacaat 52800

cctatgaggt caaaacttgt ttttatcccc aatttagatg aaggaattag ggcacaaata 52860

ggttaaggca attgttcaag gtcacacagc cacaatgtga gcccaggtgg tctagttcca 52920

gagtcagtag taaccactaa gtgtgcagat tactagaaac ttggagacac tccaactcct 52980

gaatatgggt cctagccagg gctctggagg aagcaggcag ggcagggccc aggtccctgc 53040

cagcactttg ccaaaatgaa ctggatgaact gaggcactgt catgaccttt gctgcttgaa 53100

taatttcaga cgccaaaaga agcccagtca tgtgaaattc ctttgtggct agaagatgtc 53160

aacaggcaca gatctagctc atctttcaag atatgcaatt tttttctta acagaatgaa 53220

tgctcctgta tataatatgt tcctttatgg tggctgggtc atagaaactg acaaagaagt 53280

caaattaaga gcagttaaaa gttaaagatg taaaagttaa gtcacaagac ccaagtagag 53340

tgagaagaag gtaatttgtg tgtctgttta atccctggca tgaccttta tctctgctac 53400

ttaaaaatta cagatgcaat cttaactatg gcataatgaa acaaagacca ccacttcttt 53460

tttctttctg ctttttgaag ttgcgcagat gtcagaggaa gataaataaa tactgttaac 53520

agcttctgga agcataatgt gctttgaaag agtgagtcaa agctcgagcc agggtttatg 53580

gcctcagcaa gtcgaggttt tcctgatgac aaaatgaggc cttgggggtt tggaggaagc 53640

tttcttgaag aatgagcaca gccaaagaatg gtgctacact tgggactctc ctttgtcaat 53700

agaaaaagac aaaggaccgg tttataaaat ggatatcaag tagcagatta gagggacata 53760

gttgtgtcac cggtatgatg gtcgttaactg caagttgtcc aggttcttgg tgttttgaac 53820

aaagaattgg acaaaacgcc cagcaaagca aagaaagaat gaggaacaa aagaacaaaa 53880

gcagggattt attgaaaacg aaagtacctt ccacagtgtg ggggcgggct gagcagcagc 53940

tcaaggcctt ggatatagaa tcttcttggg tccaaatact ccctagaagt ttccatttgg 54000

ccacttcagt ctcaattcat gtaaatgaag tggtagcatg caatcagtct gatttggttac 54060

agaaagccaa ccagaggtcg aagtgaagtt acaaaggtca cactcctgtg caaacatctg 54120

gttggttgca aaaagcaacc aatcagaggc tagagtgaag ttacaaagtt atacttctat 54180

gaaaaggaag acttagccgg caatcagtct gactggttgt ggacagcaac cattcagagg 54240

ctggagtggg gttacaaaat tacaatatgaa gacttgaccg gcaatcagtc tgatttggtg 54300

tggacagcca gtttccatc tgacatgcag aaaaggcagg gggtttgcaa agggagttagc 54360

ttctggtctt ttgtatttt tttttctttt ttttagtaga gacgggagtt ttcacatgt 54420

tagccaggat ggctcaatc tcctgacctc gtgatctgcc tgtctcgcc tgtcaaagt 54480

ctgggattac aggtgtgagc caccgcacc ggctgcttct ggtcctttta ttacttaggc 54540

atgaaaagtt agggttttcc ttccaattta gtcctaggaa gttggcgtga aacagcctta 54600  
 ggttcctctg ctccagaccc tattctcctg cctcagtga attgtatttc agcaattgaa 54660  
 atcagcta atcgaggacaga cacctcatat atgttaccca cctactctcc ctaatatgta 54720  
 gaatgcctat atataaaaaat aatagcaaga aacaataatt acaacttatt gacacatgt 54780  
 gtgcctgtga ctagcatcac ctccatttta tgtgggaaag aactgtgttg gaggggtgaag 54840  
 tcactagccc atattacaca agtcttttaa ctacagagtc agctttctta accactggag 54900  
 cccattgggg ttggaataag gctttggaat atcttctggg gttaacgggg gaattcttga 54960  
  
 aagttttctc aataggaaag tcacgaaaaa gtggtatcgc tgctggaagg caggatggtt 55020  
 tggcaacttt tgaactgtgg tctgactgtg aagtataag agtctgaatt aatatgctca 55080  
 attagagtca aaaggagagg caagatggaa gactccctga gaaggaatgg gtgaccttg 55140  
 agacatgggc actgaccaga tgtgggaatt agggaaagga gggagtcaaa gatgaatcca 55200  
 agatctccag agtagtgtta gaatgcttgt gccatgaata gaaatgggga aataggagat 55260  
 taagccaatt tggaaagact tcttggcctg tgttgggtgc agggcactgc cccacaaagc 55320  
 atactggtta gtgggaaatg tggcagctct tcttctattg tcagagcctt tgttttacta 55380  
  
 cacagaagct taaaacgctg gatgcttgct ttcctagact cccttgcatg tgactgagat 55440  
 ccagtcatga ggcacagggt gatacttatt ggaaagattt ttctctctga taataaaaag 55500  
 tctagcaaga aaaacctctt cctgcttttg gtttcaaatg caaggatacc atgatgtcat 55560  
 gcgaggagct gctgcagcca ttttgagtc ttgagggaca gaccaagaaa attaggggaa 55620  
 gctgactcag agccctgaca ctggggagcc cctgaaacaa caccaggacc gtctgcctct 55680  
 cttatgtgaa aaaagcacc cccaaccttg gtcaagccat ttttagatga gttattttgt 55740  
 gatttgcagc cagagcatcc aaattgatgc agacttttg caggtcacag atcaccttga 55800  
  
 tctgagcttt gctgtgtttt ctattttgga tattaatttt ggaaaaacac catgtgggaa 55860  
 atgatcatca caattgccca ctgaagcctc caaaatagta agagttccag aaagagagag 55920  
 agagaatgca ctttggatac catttctaga aatgagggc ttttaacaa aagtctgtaa 55980  
 aggccgaaca gcttgccca gatcttaggc cgcctttgct gctaggtgag agcctctgtt 56040  
 aggtttcaat agtgcaatgt gcttctcaa tgacaacggg gccattagt aaattaaaca 56100  
 ttcccatagc ccctagatac aaactggcg aaagaagtat tttccgtttt cagaactgct 56160  
 gctcttttca ttigtctctt cccaccttc ttgacatttg ctggtgtctg ctgccaggaa 56220  
  
 ggcattgtta gctcagtgat ggatgtgcac taatgagaat tagcctgctt tgtggagctt 56280  
 ttgaatcaga gcaagtatgc tgttctgaag ggtgaaatga ctggttgatt gaaaagtaat 56340  
 tgattgcaga atttcaaat gagattcaaa aggtacatta caaactagat ttcacaaaag 56400

ccaactttct ttgtcatgtt cttcttttcg gtcattttat cttttttaag tttaaaaaat 56460  
tattttagaa tttagtacca acttcacat ctgattcctg aagcttgggg tattatatac 56520  
atataaagtt tatgataaat tctcatgata aggaaaaaaa accctatgct acatagattc 56580  
tagtcctgac tccgcattaa taactgccac tcagggaaaa ttgtttaact tttctgagct 56640

cccatgttg ttgataaaaa tgtttgaata aatcatgcat gagatcctat acacgtgaac 56700  
ttagactttc tatggaaga cacagattct catattctac atggtattgg gctgggggtc 56760  
ttccctatgc tctctctga gaaaacactc ctgcagacag agagcaggca aagaagcctc 56820  
ttgctagagg agtaatctca acaaaatttg gttttgatcg tgggattctg ggtggagatg 56880  
ctagataaaa gatgatgcag ttgggcacgg tggctcacgt ctataatcct agcacittgg 56940  
gaggccaagg tgggtgaatc acctgaggtc aggagtcca caccaacctg accagcatgg 57000  
tgaaaccca tctctactaa aaatacaaaa attagctggc catggtggtg ggtgtctgta 57060

atctcagcta ctggggaggc tgaggcagga gaattgcttg aactcgagag gcggcggttg 57120  
cagttagcca agatcgtgcc actgcactcc agcctgggca gcaacaggag tgaaactcca 57180  
tctcaaaaaa aaaaaaaaaa aaaaaaatg ctagttaca tttgaatttc agataaacia 57240  
ggattttatt tttagtataa gtatgtccca aacattgcat gtggtatatt tatactaaaa 57300  
cattattcat tgtctagttg aaatttgaat ttagctggga gtctgtatt tgtattggct 57360  
aactctggca acctgattc tgagaggaat aattgatgtt aatggcctga gcctaaattg 57420  
ctcaaaataa gcaagagga gctgcagagg attcttaggt cttgatagat atggtgtcct 57480

gggaggggct gaggtaggtc ggctaaggt gaggggagtg aagggactaa gatacatatt 57540  
aggagcctgg ctaggacgag aacctccct cttttcttc tcacgattc ttaagtatct 57600  
cctctacca ctttgccttt ataaacctta attagcttta acgtaaagt aaaatattgg 57660  
ccgggtgtgg tggtcatgc ctgtaatecc aacattttgg gaggccaagg tgggcggatc 57720  
acaaggtcag gatttcgaga ccagcctggc caacatggtg aaagcctgtc tctactaaaa 57780  
atacaaaaat tagccgggca tgggtgtggc cacctgtaat cccagctact caggagactg 57840  
aggcaggaga atcgtttgaa accggaaggc agaggttgca gtgagctgag attatgccac 57900

tgcactccag cttgggcaac aagagtgaat ctccatctca aaataaata ataaagtga 57960  
aagattaact ttctatgata ggctgtcgtt ttggcatcct tttacggtc cttgttccta 58020  
atattgaaat gagggtggg accttatttt tctcattctc cctgtcacg gccccctccc 58080  
taattcaatt aatatctgt ggtgtgtgcc ccagattgat ttttttttt tttgccctct 58140  
gtggactagt tttttctcaa cagaaaaatg attgcaaat tttgaaatt cttttctaaa 58200  
cttctgaacc ttttcagggt tttttatgc tcatattca gttgtttgta cattcttcac 58260

tcacatagca aatctttagg aagtaaaaga attgcactag ggttttaccc tggatatgtag 58320

ctgtgtggag cacttcagag gcagaattaa cattgtgcgc tactagtttt attcctgttt 58380

gtcaaacaag atcacttaac acctctgcat tgggtaacca tgctttccca tgaagcgaga 58440

ggactgctga gcttgagcaa tggcggggac ctctcccaga tggtaagtgt tttagggcac 58500

aaggtcatta tattaaaagt agcaagagaa tgaacgggaa tcaggcggaa catactgata 58560

ctgacacatg tgtggcacia gaaattgcta aggtaggtgc ctgatcgtaa gggggtgtcc 58620

cctccaaata ttggcacttg aaagcagcca caaacctgg tattttagtt atttatcctg 58680

agggtagta gtgggaggga cctttcgtgg taccctctgt gtggtgcttg ctgtggtcct 58740

tgtgtttagt cctttgatgt ccaatgtgca agatacagaa tttggcaaat agaggtcgtt 58800

tgtcaaggtt ggttctaag gggctgccta agtttgcct ctatgcaaca taattcaaag 58860

gcctgttctg ttaaaaaaca aacaaacaaa caaactctta actacctcag aaccacgagt 58920

gaatgcagaa catttatca gaacagcttt ctctattta ggcaccaagg ctactaaaaa 58980

gaaaatgatg gccccacat ctgggagctt acaaaattaa gcagatggtt aaaatgcagt 59040

gtaacaagag gtgtggtgat agatcacact gggttaggag cctgctggag gcacgcagta 59100

cactgaggac ttccgcaaag agagaagcct gtagacgcag gagattgtaa gcgtggacac 59160

tgtaaaagct gctattggtg ccatgccag gtcccttaa ctggattggt atccccagct 59220

gtaagctgtt gtattggctg ctgaggctca cagctgcact ctcttgtgga aaatttgttt 59280

ctgctgaaag gagcaaaaaa aatgaggcta catacctcc cccagggat ggcctagaac 59340

caatgactga tcaataagaa agtacaaaaa tctggccttc ttgcatcaaa gcagacaact 59400

ctgtgtgccc ttctgtctcc agagatctga tgcaatcagg ctgagaacag acttcagctg 59460

gaaccacatt ttacttctg tgctttctg ctctcttcat tgccctatag gattctccca 59520

agaacatccc tcagtacatc gcttgaatg aatccctgtc tctgactctg ctcttaggaa 59580

accctgata gcagagaagc agaagttgag ctattctggt gttcagggt catttttcct 59640

gatgtgggga gagggaatag acgaagtgtt tgggaacatt ggtgaaggtc tgatgtgagg 59700

catgtgagca atgtggagaa tgggagcagt gtctgatatc aacttaggtg agagactacc 59760

atatgtgtat ggcaccagtc tgtattgtgg tatcattttc ttcagcactc agcagcctgg 59820

ggtataaaaa cacagacata gatgacacaa ggtttagtt ctggcaggcg gatgccatag 59880

gaagtcaagg aaccaggcac gacaagaaag gacttgaaga taggaaggaa tgactagttt 59940

gagagaaaat ggaggtgtca gtggacaaa gctgttcata caatggaaga atatgtgtga 60000

tgacaaaat acaggtaaca agtgtcaaga ttaggaggct aggctagtgt gttgagagtt 60060  
 tggaacagga gaacttaaga tttgaagggt taagcatttc tgcctaata catgtctagg 60120  
 atatgccaca gcacagggtgt gtgagtgaat tggagggtgt gcttctgggg tgaggagggc 60180  
 agggcactgc agtgtaggg agctggatgg gccatcctct tggacactgc cagcactgag 60240  
 ccacagtagt ggtccaagga attcacactg cacatgcagc tgttacctgc cccaagtccc 60300  
 agagatgcca tcaattcctg tgtcaggcct tcgtggagca ggtgtcccta atgaaggcag 60360  
 tgggcaaaga caaatgactt ggaggatggt aatttccaa ggagaccctt ttgtggtggt 60420  
  
 atagaaacca aaccacttgt taacagggtta aatatttccc atctttctgt tttcatgctg 60480  
 acatagggtgt tcttgactc attgaccctc ctggtaaata tcccagtcag gagagttcca 60540  
 cccttattgg atctcattcc atcatcctcc tatgtatttc gacttgctgt ccttgctccc 60600  
 taatcatctc aatgaccag gcattgaaga atgaagagtg ccatgatatt gtaagagaag 60660  
 cagtttgatg tagtagacag ggtcatgctt ttccttctgc ctggattgtt ccctattccc 60720  
 ttcctcattc agtcaattct tactcatcct ttccatttgg cttaaagtgc tctcttccc 60780  
 ccagagtatt tcagagtcca ctctgtatt atatactctc aaagcacctt attccccttt 60840  
  
 gtgactctta tcacaattat aattaaaca aaaaaagat tatttcattg ctaagggtct 60900  
 atctgacttg atagcatgta acctctataa ggataaggct gtctgtgtta tccctagctg 60960  
 ctagcatggt gccttacata aagaatgtgc ttaataaata tttgtagaac aaataagaga 61020  
 cgtatatgga actgagagtc catttctgtt ttaaggcatg ttcctattta gctgtgtgat 61080  
 cttggacaag tcaattcagc tctctgagca aaataacttc ttactcactt taacattgta 61140  
 tgatttctga tttcacagtc tatcagccaa acaccttaac aactcttaat cccaacagta 61200  
 tgtctgggct aactaaaagc attcatctgg aacttcttaa agtagcttgt tcctagagaa 61260  
  
 actatttttc ctgtgtttc agtaatctct ttctaagtaa aaaataattc ccacatttag 61320  
 tggcttaaaa caataatttg ctctctcaaa taaacaagaa aaaagtaata ataaagatca 61380  
 gagtggaaat caataaaata gaaaaataaa aacagaggaa cataacatag agactgtgca 61440  
 atgtttgggg aaagaatata caaggcagag gtactgctaa tccacaggtc ctacagcaag 61500  
 gcatgcctga catgtttttt aaaatcagaa aagagggtgt ggtgcagtgg ctcatgcctg 61560  
 taatcccagc actttgggag gctgaggtgg gcagatcacc tgaggtcagg aattcgagac 61620  
 cagcctggcc aacatgggtga aacctgtct ctactaaaaa tacaaaaatt atctgggcgt 61680  
  
 ggtggcaggc acctgtaata ccagctactt gggaagctga ggcaggagaa tcaattgaac 61740  
 ctgggagatg gaggttcgag tgagccgaga ttgcgccact gcactctagc gtgggcaaca 61800  
 gagcaagact ccgtctcaaa aataaataca taaataaaat aataaaaaga taaaataaaa 61860

taaaaatcag gaaagaggtc gtgcatggct ggagcagagc acccaaagtg tatcgagccc 61920  
 ctggtcaatg tgaggacttc ggcttttcct ttgagtatga tgggaaaccc ctggatgggt 61980  
 ttagcagga agcaatgcaa ttgaaagtca tcagctctct cttctgtgt caattatagt 62040  
 ttgttctctt gcctctagtc atacaaagt gtatttcctt ggattgtgag acagaaaaat 62100  
  
 ctaattctat atgacagag ataggctgtt gctttgggca ggtttttatt tcatgtttat 62160  
 agattaagag ttgacacttt cagttcccag ggagttcaca cagatggggt gactgctttg 62220  
 tcttaattgc aattgtcatg atgtatgcgt actttcctag aactggactg aggctcagat 62280  
 ggatagatag ttcaaggaag atagattaac agagagaggg agggagaaag aaagagagag 62340  
 agaatagatt aaatggatgg atggatgggt agattaacag acggacaaaa taaatggatg 62400  
 atgataggag gaggagagag ctctctctct ttgaggcagt gtataaggag gactggttga 62460  
 cttttctttt ctttgtgaat cacaacaga gtttagaagt ggtatgtttt cattaacgct 62520  
  
 accttaatta atatccctt aatcatcaag tatattccat ttgacaaaa tagaaactga 62580  
 attccttctt atctccaaa ggcaatggaa aggctagaga gagctggcac tgtgctatta 62640  
 caagcagatg agaggcatat ttgctgaata acgagagtag ctaacagtac tgaactttgc 62700  
 ctttttgggt tgggactctt tctttcctga atgttcaata atgtctggct cttttccttt 62760  
 gtgttctggt tttatgcaaa cacaattac actcttgttg acttcactgt aacctatgaa 62820  
 attaaagaag gggaaattgg agtctatag aaggcagttt caccagtcct gcctcttggg 62880  
 ttgtgcatg gaaactgag aacagctgta ttttctaac caattttatg agaaaagaag 62940  
  
 tgtccccagc agtaatcagc acaggcacat gataggaaca gacagagatg ctgctttaaa 63000  
 atcatatatt ctagagctga aagccatcta agagagcatc caattctccc tcattgtata 63060  
 aatgaagaaa gtaactaaa ctcgagggtta cctgttcaca cttcttgagt atatactaat 63120  
 tatgggaagc aacgtggcat cacagaaata ccacaggcct tgtggaagtc tgtgtgggaa 63180  
 tcatagctct gccacttctt agctgctgtg gctattgggc aaattatatt atctctttga 63240  
 gccttctctc atctgtccct gcttcattggg ctggttataa gaatcacatg atataaata 63300  
 taaagccctg gcacaaagta gatagttaat aaatagtagt tatgattagc tcgcttttgt 63360  
  
 tgctagtac aatacagagt aaaaaccatc tcagcaata cttagaatag gattttaaaa 63420  
 tgtcaacca tggcaaactt gtttgaagta aatttcaata tactgaaatt ccaatataat 63480  
 tcagggaac aaacattttt atataaata ttgtgctata cactagagtt agttcaaaaa 63540  
 taagaacaag atctgggttc tgcttttaag gaaatgagag tagacatgca cgctaggctg 63600  
 cttttcagt agggcctgg gacgggccac tggggaggag gggacatggg tctctgggtg 63660  
 cacagaagag gtcttctctg gacaaggagc tcagggaagt cttcacagag aaagtaacat 63720

tcgagagggt ttiagaaggg tctagaaaaa cagattgagg gacattctta ttgaaggggg 63780

ccccataatt acaatacaaa agtatattta gatttaacca actcctctgt ttaaagagc 63840

atagaatatg tgaagggcaa agcttaaaat aaaaatgata gctaccactt acggaattca 63900

ctcatgtatt cactcttttg ctcgttgtgc aactctgtga ggtagattat tatctccatt 63960

ttgccaaaga ggagacaggg atgggcaggt taaatgtgtt gcctaaaggg ctcacagctg 64020

gtaagcagta ccaaacttga attcaggtca tctgacttca gagtccatgc tccagttcgg 64080

acattagaca gtgagcttga ctttttctgc tagccgctcc agatctatac cctcctcttc 64140

tccctgctgc tcggggaccc aggatgctga gctgtgtggg ctctgtcagc atgctccctt 64200

ggccctgggt tcccgtcata ataatggagg gaaatgggag atggggcctc aggtttgcca 64260

gggctgtatc ctttgttag aggacacagc tctgtttggc cagccgctct tgcagctaca 64320

ggctccctg tgttgaaaaa ctctctctgc tcttgtccc aggacagcta atgctagcct 64380

cagaacattt caccatctca tgttggttcc tttaacctg tccctgtctc agtgaagatc 64440

ggaatttggg ggttatagga taatctgttc agctttagt gatactacca aatagtttcc 64500

caaagtgggt ataccatttt ttttctact agcagtgtag gaaagtttca gttgcttccc 64560

ccttttgcca actcttggta ttttctgtcc ttttcathtt agccattcta gtgggtacac 64620

agtagtatct catttgtgat ttcagttttc atttctctga gaactatgga agttggatac 64680

cttttctgtc gticattggc catttgaata tctttggtaa agtatctaaa tcttttacc 64740

tttttctttt ctctttcttc tccctctctc tctttttttg tttttgagac aagtgtctct 64800

ctattgcccc ggctggaatg cagtggagtg atcccagctc actgtactt caaactcctt 64860

ggctcaagag atcctccac ctcagcctcc atagtagttg ggactacaag cgcacaccac 64920

cacacttggc taatttttaa aattattttg tagagatggg ggggtggtgaa tcttgctatt 64980

tgctcaggct aatcttgagc tcttggcct caagaaatca tctgcctca gcctcccaaa 65040

gltgtgagat tacagggtgt agccactgt catggccttt ttgccattt ttaaattaga 65100

ttgtcttttc ttttggatta tgaagttatt tatagattat gactaaagtc ctctggcaga 65160

gatatgtatt acaataatct tcactctgag gcttgccttt tcgttctctt aagcatatat 65220

cttttgatga agagatgttt ttaattttta tatactctat atattttgtt tctttgtgtt 65280

actatttcta aaaataataa gaaatacaca tattgtcttc ggccacagc cctgataca 65340

gagctcttaa aacccttcta atttctaag caataaggat gctaggagaa ccttttgttc 65400

taatattcga ctttttactc tggttcctga cttttaagt ccttaggaat tttagagctt 65460

ttaaagtcct taggaatttc ctgggcggca ggagcatcat ttaataaggt agctcttgg 65520  
 ggactcctgg atgggagctg gtcaccataa agactaagcc ataattataa gctggggctc 65580  
 ttcagcccta atccaccaac ttgccacaat tctccagaga agggaaagg gctagaaata 65640  
 aagttaatca ctgatcatgt ctacgtgata aagcctccat aaaaattcct aaactatggg 65700  
 attcaggag ctctcgggtt gacaaacaca tctgcatgcc agcagggtgg tataccccaa 65760  
 ctcatgggc ataggagtgc ctgcacatgg gacccttca gacctgccc tatgtatctt 65820  
 ttcactggc cagtcatctg tatectttat tatatccagt aaacataagt aacgtatttc 65880  
  
 cctgatgcta tggtttgaat gtttatcccc tccaagctca tattaaagct taatccccaa 65940  
 tgtggcagta ttgagaagtg gggctcttaa gaggtctcga gggctctacc ctcataatg 66000  
 aattaatcca ttgatggatt aatgggttat tacggtactg gaactgggtg cttataaca 66060  
 agaggaagag agactcagct ctctggcatg tgaatccctg tgccgtctcg ggactctcca 66120  
 gagtccccgc catcaagaaa gccctcaccg gatgcagccc ctacaccgtg ggctccttag 66180  
 ctccataac tgtaagaaat aatttccttt tctttataaa ttaggcagtt tcagatattc 66240  
 tgttataagc aacagaaaaat gcactaagac acctgagttc tgtgagacac tctagcaaat 66300  
  
 taatcaaacc aaagtggagg tcatgggaat ccgatggata gctggtcatt cagaagcaga 66360  
 ggccacattc tgtgcttgtg actggcatct gaaggggggt gggggcagtc ttgtgggact 66420  
 gaacctcaa cttgtgggac ctgacactat ctccaggcag atagtacag aattcaattg 66480  
 aattagagga tacttagctc gtgtccactg tagaatctgc cagagaattg cttggtgtgt 66540  
 ggggaaaacc cccacccctc tggcatcaga agtgttgaac gattttgtga gagtagagag 66600  
 attcgaagaa ccattgggtt tacctatac ctacatggc tttgtatggt ttttaaaaag 66660  
 gcatgtttgc tgctacaata tcataagaat gttttcctgt gctttattct aaaagctttc 66720  
  
 tggttttatc ttccatattt ggatctgcaa ttcatttga attgatTTTT gtgtgtgatg 66780  
 tgagattaga gtctgatac gttttttctc tcgtatggct atccagtga cctagaacct 66840  
 tttatttaaa atattctctt ttccatcagt tcaactgaat gtcatacttt tcatgaatca 66900  
 ggtgactgta tacatatggt tgttttcttg tatgctatgt tctatccac tggctctatc 66960  
 tcttgctat ccttggtcca atattataca atcttgatta ttatggcttt ataagtactc 67020  
 ttgataactg gaagtgaag tcttcagct ttgttctga agattgcctc agctattctt 67080  
 ggtcctttgc atttcatat gtattttaga aatagttgt caactccac acacacacac 67140  
  
 acacacacac acacacatgc ctagagtttg gtgaagattg tgatgaatct ataaattcat 67200  
 agaaaattaa catctaaaca ttcaattca tgaacgttat gtttaggtct tctttaattt 67260  
 tcccagtaat attttgtgt tatcagtga aagtcttat acatattca ttagatttat 67320

tcctatgtgt tcgatttgct atagtaaata gtattctttt taaaatgttg tcttttgttt 67380  
gttgctatta tatatatata ttttttgaga cagggtctta cttgtgcacc caggctggag 67440  
tacagtggca tgatctcagc tcaactgtaac ctctgcctcc caggttcaaa caattctcat 67500  
gcctcagcct cccaggtagc tgggattaca gacgtggacc accacgccca gctaattttt 67560

gtgtcttttag tggagacagg gtttcacat gttggccagg ctggctctca actcccgact 67620  
tgaggtgatc cacctacctc ggtctcccaa agtgcctgga ttacaggtgt gagccacggt 67680  
gattggccat ataattgatt tttgtatatt caccctttgt ctagtgatct tgtaaacctca 67740  
gcaaagtata tctgtggaag gcatttggtg gatatccttt attagtttaa gaaaattatc 67800  
ttctattctg tttttctaca cttttgttta aaacatgaa tgtgtgctga cttttattaa 67860  
agacttttcc atctcttaag atgtccaacc ctgttttgac tcagctctag gaccaattc 67920  
tatagccctt tccctggctc tggctttatc cccacaatca caaaaactcc atgaacaaaa 67980

aggaacaaac aaggacctga accgaagaag tgccagtaaa catggaaagg aagagacaac 68040  
tgtaagagat tttgatgttc tgcaatataa atgttttgta cagtcccaga tgtgttgaga 68100  
gagaagccga cttctcaaaa aaattttttt tttttgaaac ggagttttac acttgttgcc 68160  
caggctggag tglaatggca cgatctcggc tcaactgcaac ctgcacctcc caggatcaag 68220  
caattctcct gtctcagcct cccaagtagc ttggattaca ggcatgcgc accacgcctg 68280  
gctaagtttt ttgtatttag tggagacagt gttttaccac attagtcagg ctggctcgtga 68340  
acactgacc tcagggtgat cactgcctc ggctcccaa agtgcctgga ttacaggcgt 68400

gcgccaaaat gccggccga cttatcagtt ttttaaactc ctgcctcctt ttgataaaca 68460  
taaaaaatcc acatgaaact tttgtttaat gtacgtatta tggaaacaat aagctatttt 68520  
ccaaatataa attttaatat gattaagctt ttggaacttt taaatataga ttgcccttat 68580  
tagagattaa taatatagta tgtgtaaaag caaattacac attctataat cccctgcccc 68640  
taaagtcgga tacatcctcc ctgaaagggt acttttctcc ttactttct cctaattgaa 68700  
actactgaa atagcatcta catagaacat cactgcatgg tggagcggca gataagctgg 68760  
ttaagcaatc tatcattact atcatctgga tgtcccagga tggttggggt aagtagaaat 68820

glatgaagac tctaactggc aatgggattt tatcattgaa aagtgcagag ctggccaatt 68880  
cagacccaag ttgcagggtg acctgggaga atacacactt gtaggttttc aaatttacta 68940  
atatttaagc agtttgattc tctacaattt cttcaacatt tgactattgg gcttgaattt 69000  
aatgaatcct ggtgccctct tgtggacatg agagaatgta caaagagtat agctttgagt 69060  
tcttttcatt ttaaggattt ctttgtgtac ccatgtccca ttaacctaa ataactcaat 69120  
aggtagaaga tcicaagtc cacagccagg cataatgttg ccaattataa gccctgtgaa 69180

cttaaagattc cttatctgat aaatggcagt aacaatagta cccaccttac taaggttctt 69240  
  
 gagaagatta aggatttaag gaaattccct tccattccta ctttcctaag attttgtttg 69300  
 aaacatgaa taggtattga attttatcat atgttttttc tgcattttta aagatgtaca 69360  
 cttctgtttt gactcagctc tgggacccaa cactacaacc cttctccagg catggctgta 69420  
 cccttacttt atacatccat acatacaatt ggccctctgt atctgtgggt tctgcatcta 69480  
 tggattcaac caaccacaaa ttgaaaatat ttgggaaaaa aataataaat aataatacaa 69540  
 caataaaaat aatacaaat ttaaaataat atagtataac aactatttac aagcatttac 69600  
 cttgtattag gtattgtgac tttttttttt ttttttttga aacaggtctt agctctgttg 69660  
  
 cccaggctgg agtgcagtgg catgatcata gctcactgca accttgaact cttgggctca 69720  
 aataatcctc ccacctcagc cttccaaaga gactacaggc tcatgctact atgcctggct 69780  
 aatttattat tattattagt tttttagtag atagggtctc actatgtctc caactcctgg 69840  
 cctcaagtga tecttctgcc tectcctccc aaagtgcctg ggattacagg tgtgagccac 69900  
 catgctcagc ctagagatga tttaaagtat atggaaggat gtcacatg atagactgga 69960  
 taaaaaaatg tggcacatat acaccataga atactacgta gccataaaaa aggatgagtt 70020  
 catgtccttt gcagggacat ggatgaagct ggaaaccatc attctcagca aactaacaca 70080  
  
 agaacagaaa accaaacact gcatgttctc actcataagt gggagttgaa caacgagaac 70140  
 acatggacac ggggttggggg gagggcatca cacaccaggg cctgtcaggt agtggggggc 70200  
 tggggggagg atagcattag gagaataacc taatatagat gatgggttga tgggtgcagc 70260  
 aaaccacat agcacgtgca tacctatgta acaaacctgc acgttctgca catgtagccc 70320  
 aggacttaaa gtatgataaa aaacaaaaag tataaaaata aagtatatgg aaggatgtgt 70380  
 gtgtgtcata tgcaaatct ataccatttt atataaggga cttgagcatc catggatttt 70440  
 ggtgtctgtg gatgaggggg cctggaacca atccctcaca gatactgcag gatgtatctt 70500  
  
 agcctggcac atagtgggct ctcaataatg ttatctgtgt ttagtatcaa tcatctaat 70560  
 caattatcaa tcccttaaag gaaaggaag ggtatgaagg atatagtatc ccaaaacaga 70620  
 gtggctacag atactagtaa cctctcctcc ccagtcccat cctacctcat tctgattcc 70680  
 ctgcagcaac tactcaactc tcaactatit ctttttatat ttatcatcat atttttaata 70740  
 acatgtttta tggatcttct tcatTTTTT tgtccatag tagtattatc tattgacttt 70800  
 ctattatgga agatgaacgt ttaactctct tacagtactc cctccatact tcctttcccc 70860  
 catttatgat cccatgtatg taaaaataat gtactctatt ttatatattt ggtcctctcc 70920

ataataacca aaaatatgga ccaaggcata aaaggtgaat actaaaaaac ggaaccttgt 70980  
 ttcacattat taatgtcaaa taagcctgaa ctcttcttaa atgaagcaaa gaaaaaat 71040  
 ataataaaaa agattataat ttgcaatgat aatggagtta tcacataact ttatgcaaca 71100  
 aggaagaaga aataaaaagga gaagggttta atcacctttg ttgggtccatg tctgatcaag 71160  
 cagaggaaaa ctaaaaagga cataaaatat ctaaacaatt taataataaa atccaaatgt 71220  
 gattccagat agactcatat gaccaataaa cacatgcaaa tattgacctt atatcaggtt 71280  
 atagagaaaa ctgttttcca aagcagctgc accattttac actctaata gcagggccaa 71340  
  
 tttctctaca tttcaccaa tacttggtat tatgtctttt tgatcatagc tgccttagtg 71400  
 ggtatgaagt ggatcttat tgtgattttg acttgcactt attaatagt taaagatatt 71460  
 gagcatcttt tcatgcactt ttggctattt gtatctctct ttttttttt ttttgagatg 71520  
 gagtctcgct ctgttgccca ggctcgagtg cagtggcgtg atctcggtc actgcaagct 71580  
 ccacctccca gggtcatgcc attctcctgc ctgagccct cccgagtagc tgggactaca 71640  
 ggccccgcc accatgcctg gcctggctaa tttttttgta ttttagtag agtcagggtt 71700  
 tcacatggt agccaggatg gtctcgatct cctgacctg tgatctgcca gcctcggtc 71760  
  
 cccaaagtgc tgagattaca ggagtgagcc accatgcctg gccggtcgtt tgtatatctt 71820  
 ctatcgga atgtctatat aaatcctttg ctcatcttaa aaattgaatt gtctttttat 71880  
 tgttgaatta ttattgaatt ctaagacttg tattgtagat gcaagccct atcagataca 71940  
 tgttttaca caatctctc ccattatcag ggttggtttt gtattctctt tatgtgtca 72000  
 tttgaaacac agttttaaat ttgatgatg tccaatttat tttttcttt tattacttgt 72060  
 gcttttgtaa tcgtattcga gaaaccattg tctgattcca ggtcatgaag atttatgcca 72120  
 gtgttttct ctgtaagtt atagctttag ctcttacatt caggtttttt ttgatatttt 72180  
  
 aactttttgt ctatggtatg agctaagggt ccagcttttt ctttgatctg tggatatcca 72240  
 gctggcctaa catcatttgt tgaaaacatt attcttttcc ccatttaatt ttcttggttc 72300  
 ccttgttgaa aatcagttga ccataagtat gagggtttat ttctgaactc acaattctat 72360  
 tatattctat ttatgtctgt tcttctgcca gtacctgct gtcttgatta ctgtggcttt 72420  
 glagtaagtt ttgaatttga aagtatgtct tccaacttct ttcttcttt tcaagattgt 72480  
 ttggatatc tgggtccct gagtttccat atgaatttta aaatcgcttt tcagttgctg 72540  
 caaagaagcc aagttagatt ttaataggga ttacatttaa tctgtagatc aaattgggga 72600  
  
 atattgcat ctaacaata taaagccttc caatcaatga acgtgggatg tccttcattt 72660  
 atttaggtct tttaaatttt ctttcaacaa tgtttcatgg ttttcagtgt atatgtgtca 72720  
 tgggtacatt ttgtgcat aacaaaatac cttagacca gtaatttgta aacagcataa 72780

atttgttgct catagttatg gagtctggga agtccaggat cagagcacca gcagattcag 72840  
 tatctggtga gggcttgctt tctgcttcca aaatggcacc ttgttgcttg actttacatg 72900  
 gtggaaggcg gaaggacaaa ggaatagagc ccttccttca acctgtttca tgacagcact 72960  
 aatcccattc atgaggttgg agtgttcatg acttaatcac ttcccaaaag acacacctct 73020  
  
 taatactatc atactgacta ttagatccta acatgaatit tggagggaca catacattca 73080  
 aacatagca atatgttttg catttctttt gtccaattta tttctaagta tgttcttctt 73140  
 tttgaagcta ttataaatgg aattttttta aaatttcatt ttcagattgt tcattgccag 73200  
 tgtatacata tccccctc cgaatccagc atccacaata tttttaataa tgacaggatc 73260  
 cggttagttt ttgtagtaca gctggcctct tggcctctgg ttaggggttt ggagtagctg 73320  
 tgcaggtacc tggggcctta ctgaaatgct tgtatatctt ttggctcttg tgaggatgaa 73380  
 agagcaggac aatgcataga ctttgggggc gtccaggatc ggaccttgcc ctccaattat 73440  
  
 gatccccaca accattcatt ttgtgttctt ggccaggaaa cttcattttc ttgatcatct 73500  
 ggctgttgcc tgccactcat gaatatctc tacagcacia cttggttgaa ggtggagtgg 73560  
 gtctctctgg ccagaaacat gtaccgcttg accaacagct ttagatcaat ttcctggctc 73620  
 ttgagtttct ggcaactgggt tcttctgggc aggtgtggac tcccatgatg gtgcctccta 73680  
 ctgagccatg tcaaaaaag tgagcactct cagactcttt aaatacttta tttggaattt 73740  
 ttggacattt acccaatttt tacctaattt tttccatata gaattacaca tattcagaag 73800  
 tgagctaaga gtctttttct tattggatca tttaggttac cttaggtctg aaattctcag 73860  
  
 atatgtattg ctctcatcta ctagatcctt gaaatttgcc aaaattttaa ttatttttgg 73920  
 caaaattgag caaatatgaa cacttccaat gtcagtgagg aagtgtttaa gtgagtactt 73980  
 ccatafacta ttggtgggac tgtgaaatgg tgcgggcact ctgaaaataa gtttgccaat 74040  
 accaaaaatc tcagttaaga ttgtaatttt agaccccgta ctttctcttc tataaatcta 74100  
 tcattaaaaa actgagatcc agaccaagat ttatatataa gacctctca gtattatttt 74160  
 atagtacaaa cgtgttgaaa tcaatttcaa tgtgccataa aaatatttat ctatgcatta 74220  
 aaaaaggctg aaaggaaata tatcaaattg taataatgtt atctctgaag aatgggatga 74280  
  
 ggtaaagtca gtataatcag taataaaaaa tgggggcaag agcacagatt gtactagtta 74340  
 cagacttgag tttagttct ctctctgcca gatgtagctg aatgactttg ggcaagtac 74400  
 ttaacctctc taagcctcaa tttctttaa tataagatgg tggtaataat agttgttgcc 74460  
 ttatagggtt actgaaagaa ttgagtgaga tatacaciaa gtgcttagca cagcagttga 74520  
 tccacagtga gtgctaagt ttagctctcg ttgtcattgg tcacctggcc ttgtcatata 74580  
 caactgcaca atccccigga aatgtttcca ctgaatgaga cacctatgga ttggacaga 74640

ctggcttttt ctgccatgta cttcaatggc cttagtgtt gaggactcga tatgtgcatg 74700

tgatgtgagt gtaattgacc agagaggttag tgtggcacag gggaaagaac aaggagactt 74760

tgggtcccaat ctaggtcttg gtccctcat cagtgaagtg aaggagctg gactagagaa 74820

tttctaagat ctcttctggc tctaaaatgt tcatttctca ccaggcacgg tggctcacac 74880

ctgtaatccc agcacttttg gaggccgagg caggtggatc acctgaggtc aggagttcaa 74940

gaccagcctg gccaacatgg tgaaaccccg cctgtactaa aaatacaaaa aattagccaa 75000

gtgtggtggt tggcgctgt aatctcagct actcgggagg ctgaggcagg agaatcgctt 75060

gaacctggga ggtggaggtt gcagtgagcc aagatcacgc cactgcactc cagcctgggc 75120

aacaagaggg aaactccatc tcaaaaataa taataataat aataataatg ccacagcaat 75180

tgtgaattta gacttttgc tctaaacac aaggtggcag caaaagacta ggctcttggc 75240

tgccatttgc caaaaccagt aggataagat ggtattatit aatttacct atgttataaa 75300

glaaaagatc taggtggctt aagatcacia cctgctctta gtggtttcta tgaggcccag 75360

gtttaatgtc cctagaatta tgcttttctc gctataatcg gaattccct actctcaata 75420

tatccactga agtcaccact caacaacacc tctgcctaca atttctcaa ggctttttct 75480

atcacttcta ctgcttcttg gaaaaatacc cttcaagttt tcacctgtga tgagcagggg 75540

tcttctggc agaatggcag ctatgtgctt tacaagataa aaacaacttc tgtcttccag 75600

gatcggggag gatttgcagt atgggggctt ggtagtgtc tctcaggga aaaatttcaa 75660

ataaaacacc catgtgttgc cagtctattc aaatatgtt caattataaa caatagtagg 75720

aaatctcgat gatctgtggg ttgggtttct gtgttcttgc gttggagctg atcactcctg 75780

gccaggtggg gciggaaaag gatggtgaga aagtgggaga cagaccatga agtgagatgg 75840

gaaaccccat tgcagaaacg gagtgagggg cctgtcctca gaatctaaag aaggttgttc 75900

tgaagatccc tagggaagag gccaggggcc tagttgagac acaggtgagg tgacctcag 75960

gagaatattt tcaacctgag gtccgaggga gtgggcctga ggcctaaata gaaagatcct 76020

ctttcttcag ggaccttggg gatttccagg cagaagtga cctaagagag gcagtgggag 76080

tagaatggaa gggctaaaaa gatagggcca aaggtcaagt taaaggattg acatgtagac 76140

tagaaggaaa ttgacacaag taccaggaag aagttgttta atggttctga tagatgccac 76200

atgacttaag caactggaaa ctgaccttgc aaccttaca atggcattgg gctcataccc 76260

tgagattcca aagcagaggg gatctccaga ggagaggaag gagggcaggt tataaacaga 76320

gccttttttt ttcagagagg atcctcttcc ttcttttatt tcttctctgc taagtggtaa 76380

gagcagaaaa tcattaagga aagcagcaga agaaactggc agatctggaa tgtgggcat 76440  
 tttctacca caatgtgggc ttcttcactt ccgcaggatt ctacctgctt taggggtcac 76500  
 accctctgca ggggtgcttg ggatcgaggg acaaggaggg aaaatgtttt aacctttaaa 76560  
 ctggtggcct ttttgggtgt tactatctaa attacctca aaatgattgg ggggtggaag 76620  
 gggaaagaaa acctaactg gacctaaggg acttgtgta gggatcgat actgcaatga 76680  
 gcgtggaatc atacatttct ctttcaactt gatgaggtgc tcccacggag ggacagttag 76740  
 cagaaaattt ggtaaaggcc ttatcacaga ccagagatat gaccaactgg ggtgagcttt 76800

aaggaggaac tagggtagaa aatggttaat gttttgctga aatacagga agaaacaagg 76860  
 tggattggat cataaccaac ttctttcaca atgtcataaa agtaccctaaa ctgtggagt 76920  
 caccacatc tacatgagca agtcttgtga attgctttga tgcttgacc gtgcatctc 76980  
 aggctgccca tgggtgctaag tcacctcca cagatgcagg gcttcagct tccactgag 77040  
 agcaggagca gtaggttaac tttgtgtcaa agactcatcc ttcctttcct ttgacttcaa 77100  
 aggtcccttg gtggaacttt ctactgtcgg gtctttcatg attccctatc agaggtttta 77160  
 catgtatgct ttcgactctg aaaggggagac aatgccagct aaacacaagg aaagctgttc 77220

aggctgagtg tgggagaagg ggaagctggt tgctgattct aattctgatg tttagaggga 77280  
 aaataatatg ttttttttt tgagacagag tcttgctctg ttacccatgc cagcatgata 77340  
 ttggctcact gcaacctctg cctccaggt ttaagtatt ctcatgcctc agcctcccgc 77400  
 gtagctggga ctacaggcac ctgccaccac gccagctaa ttttgtatt tttagtagag 77460  
 atggggtttt accatgttgg tcaggctggt cttgaactcc tgacctcagg tgaccaccc 77520  
 gtctcggcct tccaaagcac tgggattaca ggcatgagcc accgtgcctg gctggaaaat 77580  
 aatacttcta tctcactgat cacatttacc ggtagtatgc ttttagcagg aaacaagaac 77640

tgggtaattg cggcagaaaa gcctttaaaa gaaaatgact tcattggcat tagcaaacac 77700  
 ctacagagat aatatctctg accttagctg gcaggcactg agaaaattct gaggaataga 77760  
 gggggagtct ggaagacttg ggactttgat ttttcttate cgggtcagac attgatcttt 77820  
 aaaaaatgac atacgtttta tagtcattaa cttatcactt aaaatgttct gctgctacag 77880  
 ttcctggagt aggggtagaa cccttcagtt tattgaggac caaagaccta cattaaaagt 77940  
 aatcaaagc ctaaaggga gcaaaaagca acttaattga cttcaaaaat ttttaagccg 78000  
 ttcactggtt taagtaaaaa atatgaagca tagtaacaat tttcagccac tctggaaaac 78060

agtttggaag tttctcaaaa agttaaacat ggacttacca tatggccagg aattgcactg 78120  
 ctaggttaat actcaagaaa aatgaaaaca tacatccaaa caaatgttca tagtagcatt 78180  
 attcatgata gccaaaaagt ggagaaaccc acatttttgt taactgatgg tgaatacatt 78240

aaatgtggta tatcaatata atggaatatt atttagccat aaaaaagaat gatgtactga 78300  
 tacatgctgc aatgtggaga aaccttaaaa aactgaaaga aggcagacac caaaggccac 78360  
 atattgcatg attccactca tatgaaatgc ccagaacagg caaatccata gaaaaataaa 78420  
 gtacttcagt ggctgccagg ggctggtttg gtataggga gaatggagta ggactgcgag 78480  
  
 tggatatgag gtctcttttg ggacgatgaa aatgttctga aattagatag tggctcctagt 78540  
 tccacaactc tgtaaataca ctataagcca atgaactgtt caatgaaaaa gggatgaattt 78600  
 tatagtatgt ggatttaatt ttatgatatg cgaattacat ctcaataata tatgaagcgt 78660  
 gaaactttat tcaataaata tattaacat ttaaaatata attcaattaa aattaaaaat 78720  
 gaagtatagg gaaggagaac aagacaacga ggaaagatgg aagagaaaat acttggctca 78780  
 agaaagaaaa tgagctgggt gcagtggtg acatctgtaa tcccagcaca ttgtaaggcc 78840  
 aaggagtcca agaccagcct gggaaacata gtgagacca tttgttaaaa aagttcagat 78900  
  
 gtggtggctc acacctgtaa ttccaacact ttgggaggcc aaggtgggtg gatcgcttga 78960  
 ggtcaggagt tcgagaccag tctggccaat gtggtgaaac cccgtctcta ctacaaatac 79020  
 aaaaattagc tgggcatggt gctggaagcc tgtaatccca gctacttggg aggctgaggc 79080  
 aggagaattg ctigaacca agaggtagaa gttgcagtga gctgagatca cgcctctgca 79140  
 ctccagcctg ggtgacagag caaaactctg tctaaaaaaa aaaaaaaatag 79200  
 ctggatgttg tggcatgtgc ctgtagtcct aactactcag gagcctgagg cagaaggatc 79260  
 agttgagtcc aggaggttga ggctacagtg agccaagatg gtgccactgc attccagcct 79320  
  
 ggatgacata atgagaactt gtctgaaaaa aaaaaggaag gaaggaagaa aatgaaaacc 79380  
 aaacaagaga agagaggctg attccatgat ttcaacaca atagaaattt ccattgttct 79440  
 ctgagattcc ctgggctct ggtcttcaga atgttattgt tattattatt atttccttta 79500  
 gaacttctaa tgagcacatt gaccattgct tccaggtttt cgaattgtcc tttgccctta 79560  
 aactcctcag tggcttgggt ttatttcaa tagagcagag gatatgaaat atttcttgggt 79620  
 taatgtttct gggtttgag tatcagtcag tgaccagagt tggattttac gtctaaaaac 79680  
 catataaact caagccgaga ctgtctggg ttagacttc ccattgcaa atttaatttt 79740  
  
 attatttaaa gtcatgttga gaagtcatgt aggtggctct tcttctaagc taggacagac 79800  
 ttatcagtct cacttgctg gtactacttt atgaggtaaa taattaattt gagatattag 79860  
 gcataagctg gtcttgatct gttctcaaac tccaggtggg tagaaagctc aactgttgac 79920  
 acagggcctg gcatgggaaa tgattacatg ggaagccatg tctgataacc agaaatgata 79980  
 cttcataata acacaaagat aatgagagag attgggagtc aggttagtgt gtgaaactag 80040  
 cagtagaccg agagggaaa tgggttgtga tccttctttg aagtcaccac agagtctttc 80100

tgctccttca cccactatgg ttagtgaatg accaaggata ctgactttac ctccctactat 80160  
  
 tactcaaatg tatatctctt ctccgtcatt tctcctgttc agttcctctt tctctctage 80220  
 ctggtcaatt gcaatatctt tgtaacatgt tttctagact gtaatattgc tcctattatc 80280  
 catccttcca actaggaaag taatattcct gaagtccaaa tcatgccatg tccctacctt 80340  
 attagtcttc tgtgttgaga tcagatgaag ctataggcag agatgctctt atgacatgaa 80400  
 ggactggggt tcctttgtaa gaccatcaga atttgccta tctaagcccc tactcaggag 80460  
 cctagaggaa tccttgaact gaatggtctg agtcagctga tactctcaga taacagcact 80520  
 ttgctcataa tatatgaaaa caggagcatg atttagaaaa aaaaaaggaa ccaaaatcac 80580  
  
 cagctaatag atattatgca ataagcacat tacagaaaca caaagtcctg gtgtacatca 80640  
 ccagggcagt cctgaggac agtctagcca ataactacac ttaagttggg tctccagatc 80700  
 tgattttcta agtttctgat cctggatcct ttcataaatt atagctgcta cctccaatcc 80760  
 caccccaagt ctcatgaaca ggaaatctgt gaaaaagttt tacagggagg tttgagaact 80820  
 ccctctgagc tagccaatcc agagtcttgc tttcagccaa gcttccatca taccagatt 80880  
 ttaatgatga gttatttatg ttctcactta aggaaatcct ttectaccet ttggaacttc 80940  
 tatttatctt gttattaaaa ctgtcttcaa atagatttcc tgctgcaata caacacactt 81000  
  
 ggtgactttc tcagtcttac aatgggatta gatatttagt gctgaaagga tcattgcaag 81060  
 gagagcaatc aggtttcttc tcagtacaaa ctgcttggtc ttccttgctg taaaagaact 81120  
 ttgcttttag ctttgatata tggaaaatgt ctgccagagg ccctggtgag aaagagtccg 81180  
 tgtgtctgcc catcttgggt catacccttg tcatccagga actaacaagt caccacagt 81240  
 tacatgcagt tggcatttga tgggtgtagg caaatcacct ggactatcaa agatacagt 81300  
 tctaaaaaag gtcacttcc tcctatccc aggttgtaac actgcatgcg aagtacaggg 81360  
 cateccaaat acagaacatc cctaaccctg catgccagg gcactgttct cagctctgct 81420  
  
 ggtctgacca ggtagtttca cagaattctt gcttggttaa cttglagttt tttgacatga 81480  
 tgtgctagat aggttaagatt taggattctt atccatgtaa atgaaactta aaaagaattt 81540  
 ctccctgattg agttgcttag ggtttttggt tgtttgttg gtatatatat atatatatat 81600  
 aaaggggatg ttagggctgt agtcagtggc tgattatttg aaaatttctt caacaatatg 81660  
 ggttctgttc tgctaattct cagaccaatg agggcctgtg tatgctagca gagagaggaa 81720  
 aagactaggg ttttcagatt aggactctgg gccagaattt gttaccatgt gaccttgac 81780  
 cactcattta accaaagctt cccagccatt ccccggtgaa aggaagtgga ttgaatgacc 81840

tcccggtagc ctcaccggga tattgcggct gcagcagagc aagggtgca tatagaagag 81900  
 gaacatgaag actttttcct tacaagtaa atgatatgaa ttgactgtgg taaagtttct 81960  
 aaatcagatt ttttttagtc cagagggaca gcttttaaaa tgagagattt atttaagtta 82020  
 taaggaaata tcigtcaacc ctcaaaaatt gcaagatgat ttttttggtt gtgtgtgtgt 82080  
 atgtgtgtgt gtattcctag tggaggggtga gagcttgact cttaagaatc atataaaata 82140  
 tcaaattatc tcaacttctg ataaataggg ggaaagacag acattttggg gaggttcaaa 82200  
 cctctataat tctttaggca ttttaacccc caagagcagg gactacattt attcattcgt 82260

agtgctctcc actccatate agcatctggc acctaatatg cactccataa atctttgttg 82320  
 tggttgaatg agatcatttt ccccatgtct ttgaaagaca gaggcaaaaa cagagtgttc 82380  
 tcattaatgg acagggtttt atttcatttt ctttccctc cccctcctt ctttttgcc 82440  
 tgtctgctg cctgctctcc ttcttctctt ctttcttcc ttctacctt ctttcttcc 82500  
 taccttcttc cttcttctt tcttcttgc ctgcttgctt gcctgcctgc ctgcctgtgt 82560  
 taaataatct gaatgatttc aaagaatcaa aaatggctgt tcacatttgg tagggttcta 82620  
 cggagcttat ctaacatatt tctaaatgag tactgtaaca catctggggc caggcaccca 82680

agcctgttcc tigtactct ctcatctgcc tagaaaacat aaatactgat acaggtcagg 82740  
 gaagcaaaact cttgagggt gtattaaaat tctttttatt gcaagcgatg taaactcaat 82800  
 gaagcaaaaa gaagatattt attgaaccag tacaaaaagc gcaagggcat agagattaca 82860  
 taccctagag atcactggaa gtggaacaag aatggagcta ggagctctct tctcctaaca 82920  
 ctgcctctct ctgcttgttt tcttcattca caccacagtc tgggtacaca gctggtgaag 82980  
 cctcaagatg cgccatagcc ttgcccttgg aagagaactg agagctactc tctggttgta 83040  
 agtgaagaaa tcccagcaaa ggcttctggt tggttaggct taggccacat gccacctgg 83100

gtggccagtg aaacactatg gttgggaaaa ccttagaatc actgactgta gacgggaggg 83160  
 ctattccctt aaaggaggga tgcctttcct agaaaggagg gtgctggata aacaaagtgc 83220  
 atctctaggg gtcagggagt agtcatagaa actatggacc aaaagatagc atttctgac 83280  
 caagaggccc cagtttactc ctaaatgttc agagggtgca ttttaacttca gtgacttcaa 83340  
 tcaattctgt aaattttggt aaacagaaaa aagcagaaga aatagacaaa atagaaaaat 83400  
 aacaataaa attatgcaat caattcagcc tgatagtcta ctactgagt atatgtccta 83460  
 aagcaagaat caggaagata atgaatcgca gttggtctca tttccccca gaacaaacat 83520

cttttcttt atctagtact gaaccagaaa agtagagggc cgttccagtg ctggagggaa 83580  
 actgtgctgg gcttatgaag aggcaggtgc caaaatagtg ctttctaga agatttttca 83640  
 ggacagctct gactatatgt gattttcact gtatacactg atgaatttta gaatttaaac 83700

atccataaaa cacgggtgcct tttaggcttt ttgtatgtgc atctgggtgt attattcaga 83760  
atgaaatctc tttactgaat ctttcttatt tatgagaatt ggggtggaaat gatcaggaca 83820  
actaatgagt ggattttgta ggtgtgaggt gtgacaatat tgtaacggaa gattttgtgt 83880  
tgagcttctt gtgttttaat catttcttga aattctgctt gatgctttaa tggatgtatt 83940

tgattataga cacacaagac tagcttcttt taggtcatct aattccattg tccagctaatt 84000  
ccttacaacc caaaatatta tccagagtgg aactgaatac tccagtaatc agggacacct 84060  
cccattcaaa gcaagccttt gatcttcaga taactctgac cattaaaatg atgtccctg 84120  
tacattaagc ccaaatttga attcctataa tttatactct ttgatattat atctctttcc 84180  
agggtcaaag agaaatcatc taatccctct gcctcttggc agcatttcaa gactttgaag 84240  
agaccagtca tgtcgcaaca agtctctctg ttatcttccc ttgctttatt ttcaccaact 84300  
gttgatgatg atgatgataa caacactagt aataacaatt aacaataatt ggggtgcatgt 84360

tatgtgccag gtgttctaag ctatatatat atatactcat acaaactca taaaaatcct 84420  
agaaggtatt atccccattt tacagataag gaaactgagg ccagaaaagg ttgcataatg 84480  
tggtcagag aggcgcagag agattagata atgtgctcaa agttatacag ctagttagta 84540  
acaaagccta actttgagct caggcaattg ggctcctgag ccttcccttg ctaggtgaca 84600  
ctactctgag tgtgatccag gttgtcccca tttctcttag aataatgtcc agaagtggat 84660  
acaatcctac aggatctgcc tgccatgaac tattaatgcc actcaagttt tcattagcca 84720  
catgctacac ctcttctaa acattgacgc aaagaggagc tcatccactt ccttaacaaa 84780

tgtggttata cctatgctat tticagtgtg tggagttaat tcacatcaag ccaatcagat 84840  
caatcaccac agctttttcc ccaatatttg ggcagctaaa gctagggacc gctatcatag 84900  
cggagaattc tactgtgta tgagaatcat agtcttctgt tgtggtaacg agggaatact 84960  
atttccatct ttggctgtgg aatagctttc cgtggctgct gctaagctca ggagagttag 85020  
caaatcatat gccttcatta ctatttgggt ctgtaacagg agtctttttt tttaaatcat 85080  
tcatgacctt atctctaata ttccctttaa gggtttgatt aaagttgagt acctttgaaa 85140  
aaacactgac gtgattaaat atgggtggaca gaaatctatt tacagtcaat aagctaataa 85200

ggcctgggggt ttcaagagat gtgaagcctg tgtgtatgta tatgtgtgtg tgtgcgcaca 85260  
tatgtgtgtg tgtgcacaca tgtgtgttga aagataaata gacaatttc agaattattt 85320  
tatgatgttg ctattacaaa catattagct aactctggaa actggtctaa attgctggga 85380  
cctaaataaa acatcttaga agacaattat ggcattcaag tcagtaagac ataatttgct 85440  
ttgttttcaa ttgttctata cagtcatcct gataacaata ttccaaagct gttaagctca 85500  
cattgcattc tatgcaagcc aataaccact tactttgcaca atagtttcac attttcacac 85560

agaaaaataa cattgtagaa gtggcgacgg caaagtcatt gtgccccagt gatgcccatg 85620  
  
 attaataaaa ggtgacgtag gtgattaatc agaagttgta catgttgcca aatttacaga 85680  
 ctgtgtgggtt tcagtataga tcaactgtact ttataaacct ctcattcatt cattcaataa 85740  
 acttttaaat gttcacaggc ccattaagta ctgggaatac aaaaaacat aatccctac 85800  
 tttcaccatg taatcaactt aatattacca ataatgggga ttggtgaagca agtcagtgtc 85860  
 ataatgtgcc tectgatatg atgcactggc aaggacatga tatcatcttg tggttcctgc 85920  
 caaacatgct taacctcaat ctaatcgtga ggaacaatc agacaaatcc aaatttgggg 85980  
 gcaacatatt aaacaattaa actcttttaa aatgtcaatg tcttgaaagg aaaaataaga 86040  
  
 aaaaaaggca gggaactgtt ggagggtaga aacatgataa ttaatacag tgaatgatcc 86100  
 ctgattggat cttttttttt ttttaaatgt cattattagg acaacggaga agtttgaata 86160  
 tctagtctat attatatatg aataagtaact ttattatatg ctatatatta tatacttatg 86220  
 atattaagta tatattatat actaataaat attataact aaaaagtacc agttagctt 86280  
 tttttagtgt gataatgata taattatatg agaatatctt tattcttagg agatacataa 86340  
 taaggcatta agaggtaaaa tgtcatgcct aaagcttact ttttaatggt tctgttgcc 86400  
 ggaacagtgc ctagggcact gttctcagct ctgctggtct aagctctgac caggttgctt 86460  
  
 ctcagaattc ttgtttgggg cagtggctca cacctgtagt cccagcactt tgggagcctg 86520  
 aggcaggcca ttcacctgag gtcaggagtt caagaccagc ctggccagca tggtgaaatc 86580  
 ccactctac taaaaataga aaaaattagc cagggtgtgt gcctgtaatc ccagctactc 86640  
 aggaggtga gacaggagaa tcgcttgaac ctgggaggca gaggttgagc tgagctaata 86700  
 tctgtccatt gcactccagc tggggcaaca aagttagact ctgtctcaa taaaaataa 86760  
 aataaaagta aatgctttag taaaaagag attatatatg gctatagtaa tagctatatt 86820  
 aacatatctt ttatatttca cattatacat acattttcta ttaatgtcta tatgagcatc 86880  
  
 tatattgtgt gtctattata tctcactaca tatggctata ctattagttt cctagggcta 86940  
 ccagaacaca ttctcaca aaagtagct aaaaacaaaa gaagtattc tctcacagtt 87000  
 ctggaggctt gaagtctgaa atcagggttg tggcagggcc atgctccctg caaagcctgt 87060  
 aggagaggaa cttccccagt gtcctccagc ttctggtagt tgccagcact ccttgctatt 87120  
 cctcggttg tagttgcatc acttcaagct ttgctccat cttcatggga cattctctct 87180  
 gtgtgtctct gtctaaactt ctttcttttt ataaggaccc cacttactgg attaaggccc 87240  
 atccgagttc tatgtgacct catcttaact tgattgtatc tgcaaagacc caatttccaa 87300

gtaaggctgt attcccaggt actgagtaga cctgaatttg ggggacactg ttcaaccag 87360  
 taaggtatat aaagatatta cagagggaga gggagggtgt ataggatggg agcatgtaca 87420  
 atgtagcaaa atattaatag atgatggatt ttggtgaaag gtaggtgact gttcattttg 87480  
 cctttctttc aatgattcta aagtttgaag tatttccaaa taaaattaaa atttggggaa 87540  
 aatatactat atcaaaagaa gacattgcct ttgttcttca ggctatgtcg aagttatgga 87600  
 ggacactgga gcaaatgcct catgatgata gcaactgcagg gccctgcagg aacagggaag 87660  
 acagcagaca gtgccaactg tgcttgggaa cattaggaag cgtttccatg agcagtgaca 87720  
  
 gccggttgaa cagagttttg aaggatagtg tcagagtcag cagcagggat gcaggtgcat 87780  
 ctggggagct gccagttggc cagaatagtt ggaacaaggg gcgtgtgtgt gtgacaatgg 87840  
 tgggtccgag gctggagaga ggcaggaagc ctgtcatcca ggacgtgca ccatgaagac 87900  
 tggggagct gtggcagaac ttttaagcaag gtgtaacctg agcaaagttt tgtgtgaggg 87960  
 ctggggctat gaagaagcct gaagacaaac taattggaag actggtggga caagcggaca 88020  
 agccagagga gaaacaaggc aaagaagagt agaaagagag tgcaatagtt agcaggaggt 88080  
 agagggtccg ggcaaatgtt tgtttttata agaagagaga aacgtaagca tctgtatatg 88140  
  
 ccgaggaaga agagtcagca gatggggcag attgcagatc caggagagca gagatgatga 88200  
 aggaagcaag tcctgggaca tgggaccag aacacaatgg gaaagagccc tatttctact 88260  
 gggatgttga ggcaggggac tggagagagg ggaggcgtag gcctcagatc ttctcaggac 88320  
 ctcatgaaga acaagggaga ggggaacagt gaccaggcag gggcagaacc gtggaagact 88380  
 gactggggtg gacaggagaa aggaagagag tgagcccaaa ggaggcgaaa acagggttac 88440  
 tggtagggga attgggaagc aaaatgatga gtcttggttc gaatgttatc gactcaggga 88500  
 tcagtatcct gccttaatta acaaaacagg gtttctcct gctgcacatc ccaggcacac 88560  
  
 ctggatgggg catgttaggt ttcacatca acccttaca gggtgcttc aatagatttg 88620  
 tgcccaggat tcccagaaaa caggtttcca tgaatgccac tgatacagag agttgggtta 88680  
 gtgggtaccc cttcacctg ccccaagag ctttttatgt tagtttatga aagggaagga 88740  
 cgtccgtcat gccattccat ttaactgtta actatccagg ggttacggtt acacacaagg 88800  
 ctgatgagat gtgtaggctc aaaaacagag caggccaaag gtaggcatgc caggacctag 88860  
 ggctgaaatg atttctcta tcatgtggac ataagtttcc atttttctgg aataaatgcc 88920  
 cagaagagtg caattgctag atcatatgtt ttgaaagaaa ctaccaaact atcttcaga 88980  
  
 gigtctataa cattttacat tcccaccagc aatgtatgag agatcaagtt tctccatgc 89040  
 ttgctagcat ttggtatttg tattagtctg ttcttatgct gctctaaaga actgccaag 89100  
 actgggtaat ttataaagga aagaggttta attgactcac agttccaaat tgctggggag 89160

gcctcaggaa acttacagtc atgggtggaag gcaaaggaga agcaggcacc tctttcacag 89220  
 ggtgacagga cagagtgaat gcaagcaagg gaaatgccag acacttataa aaccatcaga 89280  
 tctcgtgaga ctactcact gtcatgagaa catcatgggg gaaaccaccc ccatgatcta 89340  
 attatctcca cciggtccca cccttgacac atggggatta tggggattac aattcaaaat 89400

gagattttgg gtggggacac agccaaacca tatcagtatt attactatct cttttaatct 89460  
 tagtgattct aacaggtatg taatgacatc tcaatgtggg gttacatgc attgcctaa 89520  
 tggctagtga tgctgaacat catttcatgc acttatttac catgatgtaa cctctgcagt 89580  
 tggatgtctc ctcatgtttt tgcccatttt caaattagat tgttttttcc ttaatgcaaa 89640  
 gatttttaaa gccttttagt aacattctta gaggttttta aaaatcattc ttccaagtac 89700  
 agaatatatt ttaattcagc tctcagtagc aggggtgtta ctctaaaccc atcattgcct 89760  
 cagcatggat gcaggatcca atcctctgtt attcagcacg ggcattttcc ccacatgtca 89820

cattcaaaaa acactgctac atcccatctt ctttcccagc cattacctga actttacccc 89880  
 tgagctagaa tctccagaga agcttgaact ttagcttcta gatttgctcc tgacctcata 89940  
 ctttctatct gcaccactaa gctgaaacca agagttgaaa ccaagctttg ggaattatac 90000  
 ctctttttct ggatccacat gccctgtgat ataaaaataa atgtcggcca ggtgcggtgg 90060  
 ctcatgcctg taatcccagc gttttgggag gccaaggcag gtggatcacc tgaggccaag 90120  
 attcaagacc agcctggcca agatgggtgaa acccatctc tactaaaaat acaaaaatta 90180  
 gctgggcgtg gtggcaggtg cctgtaatcc cagctactcg ggaggctgag gcaggagaat 90240

tgcttgaacc tggcaggcag aggttgccat gagctgagat cgtgcactgc actccagcct 90300  
 gggcaacaga atgagactcc atctcaaaag aaaaaataa aaaataaatg tcagtgtgtt 90360  
 cctttgtact tgttcccctg tgcgccagcc agtttgtaat ttgtctcta acccaaaagg 90420  
 caaagagtaa atgggaaaga gtaggaactt gaaaatgtga ctccctaaag acagtgggtc 90480  
 cccttgaac atcataatt tgcaggcata ggaaggaaat aaaagaatgt ggaagagaac 90540  
 gtctacagga ggaagtcttg ggtacactgt acaccacatg ggacatagcc ttccctaacg 90600  
 tactgagagt ctctggcagg ttatttttaa ctgccacatt gtcaagtaaa tgtttgcact 90660

ttgataagtg tctgtccac tggctgttc taaactctgg tctgggagct taccagaaga 90720  
 gcctaggagt ggtatgcaag agagagagcc tggatgagtg aatatataa attgttttagc 90780  
 tgccagccct gatgtctatg acagatcaaa caatccactt gcattgtgtt tctactgctg 90840  
 catcacctgg tcatgagttt tcatgggaat ttgtggaatg gattgttctc acggagtcac 90900  
 ccaatatccc tgaacaatgg tagcatacat tcttagtttt atataagagc taataaggaa 90960  
 tgttccagcc acccgatcgg aggcagagag ctgttgctga tgcttgccca ctttctttct 91020

ttctttcaca ctctcccttt ctctttctcc tgtctgaagg aagaaagaag ggggcaggca 91080

gggaaggaaa aaagatccat tatgtagagg tcactagaag agtgacacca caggttggag 91140

ggaagataaa tatgaaatat ggaaaaaag gggtagctctg tggtttttcc cttcataaaa 91200

tttgctttta tttatttatt ggtttcttct cagtgaataa ctttctagaa aaaggcatca 91260

ggctgggcgc ggtggctcat gcctgtaatc ccagcacttt gagaggccaa ggcggccgga 91320

ttgcctgagg tcaggagttt gagaccagcc tggccaacat ggtgaaaccc cgtctctact 91380

aaaaatacaa aaattagttt ggcatagtgg cgcatgcctg taatcccagc tactcgggag 91440

gctgaggtgg gagaattgct tgaacccggg aggtagaggt tgcagtaagc cgagatcgtg 91500

ccactgcact ccagccgtga acgtttcagg agtgcttttt gttgcatgta acagaaaact 91560

aactccaact gggtaaaaca aaaaaagaga ttgattaatt aagcactgca aaatttagaa 91620

gtagtggttt cgggtgttgg ttgatttagt aacttgtcat tttttcttta ctttttatgg 91680

tgtccatttc aaaggaaggc tggctccatg cttcagggtt tgtttccaaa aacaggcaag 91740

tccttttcac aactcgtgga gacttgttct taatactgga tggatcgccc atgaccagcc 91800

ctgctggcca gagaatgtc acgtgcagat tggctggggc ttggctttcc tgaaccaatc 91860

cccacagctg gtgttgaag ggccctgttg atttagacgc caaggttctt cacaagggag 91920

ggtgaatgga tattggggca acaactgcaa tgcttactac tacatcttct taaaaagtta 91980

ttctaatttc tgcactgatg attaaaatcc tttagagag catcaagcct ctcatctga 92040

aacttgagat aaaaaggaaa tagtaacagt gaattaattt acactgaaac atgttgcagg 92100

aataaatttt tacaatcaca ttgttcaagt gagccaagaa gtaattttat ttctctataa 92160

ttgaattaga ttaacttatt atcccgaatt tctacttggg aatagaaaac tatatctttc 92220

taattcaaga taaatccaat tacttcttgt ttagaactca gtcaacttag tctttctttc 92280

tttcttctt cttcttcttc ttcttttttt tttttttttg agacagggtc ttcctatgtc 92340

ctatgttgcc caggatgtac ttgaactctt gggctcaagc aaatcatcct gcctcagctt 92400

cctaagtagc ttgggactat aggtctgtct atgtcagca aaagccagtc tttcttcagt 92460

aaattcttag tcaatatagg acttctctcc ttatctttc tttctttctt tttttttttt 92520

ttgaggcaga gttttactct tgttgcccag gctggagtgc aatggcaca tcttggtc 92580

ctgcaacctc taccttctac cteccgggtt caagcgattc tctgctca gtctccccag 92640

tagctgggat tataggcatg tgccaccacg cctagctaatt tttgtattt attagtagag 92700

atggggtttc accatgttgg ccaggttcat cttgaactcc tgacctcagg tgatccacce 92760

accttggcct cccaaagtgc tgggattaca ggtgtgggcc actgtgcccg gtcttctct 92820  
ccctattctt ccaatcttca cttgaagaat gatcttgggt cctgtggttc ctacatatga 92880  
tcttgacatt aatgggtggg caactgtgac gtcttctctg tgaggaggcc tcctctgaga 92940  
tggttttggc ttiaggatc tctctcact gccatctgcc gctgatgttc acagtctaaa 93000  
cttggccccg tctatgcaac cataaggaca ttcccagtc attggatttc tctcagccaa 93060  
actattgttg gagctcatgg ggaaggatgt cggggaaacc atgggaaaaa ttcagatgcc 93120  
cttctgtgct actaggatgt ttctggaaac atggaggtgg agatgggtggg tctctcttag 93180

atagtttctc tggttgacc tgcctgtgg ccattgctac tctactgtag tcacttatgt 93240  
tggttaggg ctctccatga gaatatctt ttgtaggatt ctttttttt tctgagaca 93300  
gagtctcgct ctgttgccca ggctggagtg cagtgggtgcc atctcggctc actgcaagct 93360  
ccacctccc agttcacacc gttctcttg ctcagcctcc cgaatagctg ggactacagg 93420  
ctccccccac cacaccagc taattttttg tgtatatata tatcttagta gacacggggt 93480  
ttcaccatgt tagccaggat ggtctcgatc tctgacctc gtgatccacc tgcctcggcc 93540  
tcccaaagtg ctggggttac aggcattgagc caccgagccc agcctgtagg atttttgatg 93600

gagagtggag gcataggccc tctgctcca agatcccaa acccatctga ggtttctatt 93660  
accctacgt acaggactgg actttccaag agctacccc acttattctc ttgctctatt 93720  
tcccacttct cctgctttgc ttccagtcga gcgaagattt tttaaaaac gtcactgtct 93780  
agtctgggga ggggagctta tataattttg cattcttttg aatctcttag ttatggcata 93840  
aatctgcta tttagtagtt ttgttctagg gctggactcc agtcatgtga tttggagtga 93900  
ttttctcagc tttagcaata cagaaattga atagcatggg atgttcaagc tttgcttctt 93960  
attaattttg ttttagaaa tacactgggc acaatttggt ctgggggtcc tgatctagtt 94020

ctcttgaagt gttcagtaat atgcggagat ctactattca cttttcttca gagattctca 94080  
tttttaacat tgaaaagaaa tggctttgtc tgaaaagctt ttgcttgcca cgcataatga 94140  
aacgcattta ggaataaatg actactgttt ctgctgtttc ggcaatgggt tattgtgata 94200  
acacagagat taacaacatg ttggataaac attggtaaag cccagctgta tacttttagg 94260  
gcatggtttt ggaacttcat gttcatttct ctttatctgt ggggtatctg cttcatgaag 94320  
tggtacctac aagtttagag cttgtagaac aaagccttga tcagctgctg tgatggccat 94380  
gtcacagcca cagcttcatt ttctatctc cagggtcttg ttaatctctt tcagtgccta 94440

accgagagta attccattga aatgggttgg agttccctta gaattaaaac tcttatgtgt 94500  
attggtctgc tatcttttagt ctatttcatt gcctttctc tttctgagc agatattgga 94560  
tctaaggttc taggtgaaga agcaatgaac atcataaga tgaaaagtat aacttggagg 94620

aagaaacccc agggaaaggt tttgtctcca ggtaaattgga cagatcacat gagatcttta 94680  
attcccgtag ctgtacaagc ttccataaat ggaacatgta gcagagagga ccagattgac 94740  
aagaagcact cagaagagaa gcctgtgcct ccatcctgtg gctggctggg gaccatcaca 94800  
cacgggaggc tgtgtgctga ggaatgggtg tttggaggaa tatcctccta accagctttt 94860  
  
cagtggactc agatgtataa aaagaaaaag ttgccaagga ctgtacttgc tttccagat 94920  
tgtcctaggg tacattgcat tagcctaaaa tggcaaccct ctatcttcct agtgaataa 94980  
taatagcagt gctgtttgct tggctctgtg atttctaccc ttaaaaccct tgcactcagt 95040  
gtacatatag cagaacttc ttacagtata accagtaaga ttataggatt tctattaata 95100  
cattagtcaa atggtaaccc taaaagcact gaacattgaa aatacaatcc aataggataa 95160  
cccagtaacg tgagcatttg tcctgtgtcc caacaccagc atcaciaaagc gactcagcca 95220  
tagtcactct ccaataaaaa aaatatataa attcatcctg tggagctgtg cgtgagaatt 95280  
  
ttacaacatt acacaaattg atgggtcccc tcagtataaa gagcacagtc tttgtagaca 95340  
cagccttggg tttagcctca cactgggtgac tttcttaacc ctggcaaggt aattaaccct 95400  
atccaaacca gagctttcca tctagtgcac cacgaagggt ttacagatgt gctgagagac 95460  
tggtcctctc agttcttgag gaggtacttg ctgtgatgtg aaaaagacta gaaacatcat 95520  
catcatctca gtttcttcat ctgtcagtca taattgtatt tttctcatgg ggttgctata 95580  
aggaataaat attgatctct gcaagggtgt cagcacagca cttagtaagt gattacaaa 95640  
tgacagtatg tctagtctat acagtctca gccaccagt cactttggcc agcatttgga 95700  
  
aaatgtctga aagataatta attccaaact attgcacaaa gagaatcctg aaagtcgtga 95760  
gcaaggccat caacaagta attccactcc agaaaagtca ggccatccta gatttaatat 95820  
aatgatggcc attggaacaa attctagctt tgccctgcaa gttgctcttt ttttttttt 95880  
tttatacttt aagttccagg gtacatgtgc acaacgtgca ggtttggttac atatgtatac 95940  
atgtgccatg ttggtgtgct gcaccattta actcgtcatt tacattaggt atatctccta 96000  
atgctatccc tccccctcc ccccatcca tgacaggccc tgggtgtctga tgttcccctt 96060  
cctgtgacca agtgttctca ttgttcaatt cccacctatg agtgagaaca tgctgtgttt 96120  
  
tgttttttgt ccttgcaata gtttgctgag aatgatggtt tccagcttca tccatgtccc 96180  
taaaaatatg gaacgcttca cgaatttgcg tgctatcctt gcgtgggggc catgttatct 96240  
tctctgtaac attccaattt tagtatatgt gctgctgaag cgagcaccaa gttgctcttt 96300  
aaggcatcct tctttcacag taagtagcta gaaaagtatg aatgcttcgg ttccctattc 96360  
cactgaaat aaaaatgatt cctcaaatgt gagagctgtt acaatttgtt tccaatatac 96420  
agtggtagcc ctgatccaca ggggagacat tccaagaccc ccattgggtg ccagaaacca 96480

tggacagtac cgaatccaat tgtcatcagt tggaacacat ttctgtttgt gcctttcacc 96540  
  
 caaaacttaa tgccttttcc atcttaactc aacacttata acacactgtg gccataactt 96600  
 ttgcagttgg aggtgtgata gcaaaactag cataaatttg tttttccatc ttcccaattt 96660  
 catggataga tttattctta ctgtagattt tagcaacctc agcgtacatt ttttttcta 96720  
 aagtcaagaa ctccactttt tttacttcac catactttat gtacggtttc tctctgggtg 96780  
 atctgagagc atcaccaatg ctctgggtgat tgccagcatc actactccta cacttttagaa 96840  
 ccattattaa gtaaaaataag gggacttga acacaagcac tgtgatactg caacagtcaa 96900  
 tccgataact gtgacagctg ctgactaatg gacaggtggc gtctatagtg tggatacact 96960  
  
 ggacaaaggg aggattcact tccctgggcc cagtggagt tgcacagtgc agatttcata 97020  
 attctactca gaacagtgc gaatttaaaa ctgatgcatt gtttatttct ggaattttcc 97080  
 attgaatatt tttggaccat ggttgactga ggatgattaa aactacagaa tgcaaaacca 97140  
 ttaataaggg ggaatcaggg cccagattat tatttgcct catatagctg ggtcttgatg 97200  
 agctatcatt ttattttgtt ttacctctgg gtgccctggg cacagtcccc tattctgtgc 97260  
 ctactctggg gacacatata ttaggatcag aggtggcaag actatctgta aaaggaaatt 97320  
 gaaaagacat ttaaaaacct aaaggaagat tagtgatttc ccagagaaac tcaatggcag 97380  
  
 atgtcactgg aatcaagaac cattgctctc atgcctggaa aacctgttc caaatgttc 97440  
 ccttttgctg ccaagggatc agctgctcca gtagctcagc atcttgcaa ttgtgggaag 97500  
 aggacagagg tgaagaatct ctgggcttat tagacatgac cttagagaac actgatgtgg 97560  
 gaaagcagag aatgaactta caatgagtgc aggatgtttg aaagcaatac actatgaaaa 97620  
 tgtttcatat ttiaaaaact aagtaataag catgtaaac actaccttct ctccaaacc 97680  
 aaatcagctg ttggatgta aaaaataata accaaatagt aaatgcactt aattttttaa 97740  
 aaggagtgtg ctgggaagct attaatgaaa tagaaattga ggaagtctta ctcaagctgc 97800  
  
 gttttgtttt tggaactgca gaacacactc ccgtgtctcg agtagtgtct gagaacacag 97860  
 aaatgggaat ctgaatactg gggttccaat aactgctttg caaatattta gctctatgac 97920  
 cctgggtagg acaaagacaa tcttgatgca tcattccaca cctgtaaaat tattatttat 97980  
 aaggttcaag agtctatggc atgaaattca gagactcggg ggtccaataa agagattatg 98040  
 tatgaaaaga cctggccccg tgccctggat gcagtaggca tgccatgagg tagccttctg 98100  
 gtgtgtgtgt aaagcacaaa ccccaagat ttcagggtg agtggagcct tatgggttat 98160  
 tccatatttt ctatttgtct ttgtatgttt ccattctgac ccattgtgca tcgattttaa 98220

agattaaact ctcataaaac aacctcatgt tctgcatttc taagctattg ggggcagatg 98280  
 ggaccttcat tgaaccccc aagtccaaac atatgtgttt accatggtca cagcctacta 98340  
 tgtggcggat aaattgtctg tttagtgttc tatgtccctt gaccaagaat ttcttgacat 98400  
 acagggactc ccactttttg agtccgtag cacatctgat gcaaagcagt tgctcgatat 98460  
 atattttattg ttgtcattga ccattaaaca tacaacaaaa gtagtctgat tgaattgaat 98520  
 ttagacgtac gtgaagaaat aataagttac cagaagagtgt gtgtcctggt tgaaatggga 98580  
 cacataaggg caagcacttg ccattgtcac ccagcccttc agggtaagca gcatccttag 98640  
  
 cccacagttt ctcatcatga tcacaagaga aatgcaatct ctgatgggta ctctacccat 98700  
 tgtcctgggc ctacctatcc acagatctat tctgacacct ttcccagaag gctaaccctt 98760  
 gcaggctata ctcagtctcc ctagtcaact gacttcaaaa aggagaaatt ggcacttaac 98820  
 atgacacaag ctctgctgct ctctttttga ctctctctta aggaccatgg aaaagattta 98880  
 ctccccagat ccatttttgc atgataatta aagggccctt gtagcaaatg gactaagagc 98940  
 ttcccaggtc cagctcaata ccccttctt ccaaaagatc atcctattcc tgctggcctt 99000  
 cagtggttac tctctggtct gaacacacat agcacttcca gtttctaatt catgtttaat 99060  
  
 acttgaaatc tactaccttg cattgctatt tatctttttt gtaggccttt cttttcaac 99120  
 tagactataa gagagtagac tccattaact acatgttttg tatccgctag gcctagcaca 99180  
 cagtaggtac tgaaaatacc agttttttat aatggtactg atgaagaaaa gtaccattcc 99240  
 cactggatgt tgttagccat tgggagggt gtgcctaag gactttgaag ttcacctgag 99300  
 cctgaattct gattcttccc ccatatttga tatttaactt ggggcaaatt atttccattc 99360  
 ctctttgaaa atgggagcaa ttctctctta ggattatttg gataaaattt attaaactta 99420  
 gactgattag caccaggga acaatcccaa ctggaagtta tggatgatt gatgacaata 99480  
  
 ataatactta aggggtgct gcataatc ctgaccaaca ttctatccca aatttccact 99540  
 gtaggaagta gaaaccagat gtgcccacac attttaaaac agctatttta ttgaagtaat 99600  
 ttcatgttta tggaacaca gctgcaata gaaatcagcc cctcattat ggttcacggt 99660  
 cacttgatga atggcccatc atcataaaat aagcagggtg tttggctggg agccatgcca 99720  
 caaccatttt attggaatga ctttgtgtc actgcatccc cacactcatc tctctctac 99780  
 agcacagttt tgagtattg aagttagttt gggcaagaat tccagacagg gaaaagcaaa 99840  
 taagtgtgtc aggaggtcaa aagagaagaa taagccacag gcggaggaag aaatgcggag 99900  
  
 ctgataattg aaagataatg gatgtagggg tgggttacag caacacagtg ggagggggat 99960  
 ccagaccag cgttttctca ggcactgag cgagaccag gggttacaact catcttaca 100020  
 gatctatgaa gcatggattt caaaatattt gggccacca gtatggaatt tgggcaaatg 100080

gcactattga ataaagccat tgacaaatta ctttcctttc atttccttca ctggcaggat 100140  
cttctgttta tgcttcctga gatgcaaac tggaaggagt aaatttgctg acaagtatcc 100200  
atgtgcaggg acagttgatg gaatttttat catgcaaaaa tagtcttgga tgatgggttg 100260  
agagattgcc aggaatctct ggaatctaac cctcagctga gcatatagag gtttcatttt 100320

aaggtggtat caaggtgaag aacttataaa actaagctgt attgattttt tttctttgca 100380  
aatgtttgaa ttttgaata ggcatcattt cccagcgaaa tcttaactaa ataggaggct 100440  
ggaaatctgt gacgtatgg accaagggtta ggttttaag gtaggacttt ttaatcagac 100500  
agctgactct agaggtttat acaagatcat aactttaatc cctccatgcc cctgtgtctt 100560  
tatctgtaaa ataaatataa taatcatcat cccaaagggtt ataagaatta aagcaaatta 100620  
taaaggaagt agccccctggc cttaggagac cctcaaagtt taaatgtcct ttttcctttc 100680  
acttctctct cttattttta ctccttecta tccagctcca gcaattttct ctgattttct 100740

gtgtatctga tggaacacgc ctttgctgaa cttataaata atgcaggcaa ggctgggcgt 100800  
gatggctcac acctgtaatc ccagcacttt gggaggctga ggtgggcaga tcacctgagg 100860  
tcaggagttt gagaccagcc tggcaaacat ggtgaaaccc catctgtact aaaaatacaa 100920  
aaattaccca ggtgtgggtg caggagcctg taatcccagc tactcgggag gctgaggcag 100980  
gagaatcact tgaacccgag agccagaagt tgcagtgagc cgagatcgca ccactgtact 101040  
ccagcctggg tgacagagcg agactccatc tcaaaaataa taataataat gcaagcaaca 101100  
tgaaagagaa aaggaagtga gccatgtagc tactgagagg gaggtatttc aaagaaagag 101160

ctcatcaagt gcaaagacca cacagtagat gtgtacatgg acatttcaga aaatctcaag 101220  
gaagccaggg tggctgaagt agaccaatcc caaggaagta tggtaggaga agaggcttag 101280  
gagatccaga ggggcagagt gtatgattgc ctagggcctt gaaggccagt aaaagtactt 101340  
gagcttttac tctaagtggg ttggggagct gctagatggt tctaaactga ggagtgatgt 101400  
gttttgaaat gattctcctg actgctatgt tgagaatatg ttatagggca aggatgtgga 101460  
atgaggagga gagggacaca taggcagaac agggacacca gttaggatcc cactaaataa 101520  
cccaggcagg aggtcagagt aggtcagtag cagtgtaggt catgagaagt cattagaaaa 101580

ggtagagcaa tttaggcttt gctgatgggt tcaatatata atgtgagaga gatcccttta 101640  
agatttttgg tgtttatgaa ggtgcttttt agttaggta gttgttaaat tgggtgccctc 101700  
acagggggca ttgggggatg atgggtggag ctttctattc tgccgccttg ctccacccca 101760  
agtcagtagt gtttttttag ggcatgataa attgaatatt ctaaaggatga ttatggtgat 101820  
ggttctacaa ctctgtgaat atactaaaaa ccatttaatt gtacatttta tcttatttta 101880  
tttttgagac ggagtctccc tctgttgcctc aggtggagt gcagtgcat gatctctgct 101940

cactgcaacc tctgcctcct agattcaagc aattttcttg cctcagctc ctgagtagtt 102000

gggattacag gcatgcacca ccactcccag ctaattttca tatttttagt agagccaggg 102060

tttcaccagg ctggtctcga actcttgacc tcaggtgacg tgcgcgctg agcctcccaa 102120

agtgtctggga ttacaggcgt gagccactgc aaccagcctg aattgtacat tttaaaagg 102180

gaaactttat ggtatgtaaa ttacatctca ataaagctgt tggaaaaaaa gaaaaggagg 102240

aggtggtcag agactgagat gcttaaaatt gagattaggg aagatttcca cattggcaat 102300

aacaagagct agagtctgac catggaagtt gagtagccaa gatggcttgg aggaggagtc 102360

aaggaagaca gaggccaag tactggaagg acatctgtga ggatatgggt gtcactaaga 102420

atggtggcaa aagtcattgt ggtgagaggt ctgacagtga gctgggggga aaatcttcac 102480

caagtcagga gtgacctgag agtttgcaga tgactacaac aaggaagcat ggcaggtagg 102540

aatctgatag caggatgttc caactgggtg tgggtagaaa aaatgttctg aaatttgaat 102600

attggtgaag gacttaaaaa aaacttcaag tattaagggc ctactctact tttcctttat 102660

taattaattc attcatgcaa catgtatttg ttttttggg gacaccatta tctactcatt 102720

tggccatata tgcagatgct cccaaacatg gtggagctgg cttttgatgg ccagaatccc 102780

agattctgtt ataataatct cctttcaatg agttcccaa ggacctatta cccactagta 102840

tagtggaggg ctgttctgat cagtatgcag cctttccttg atcactgtca tcatattggc 102900

catcattgtt tagttacact aatatagtat atggctttat gtttcttagg ctgtaggagg 102960

ctgcctgttt tagaattaga tggagaagt tgtgataagc tttgccttg gacagatctg 103020

ggtttaaatc ttagctctgc tatttataac ttcataactt cgggaaactt aatattgctg 103080

agtcttagtt tcttatctac aaaatattta cctcataaat attggtgaga attaaataac 103140

atgtgtgtgt caaactcaa acagatagta ggcacaacca gagatgttag ttctctttcc 103200

tttcctttgt tttccttctt tcacctttat gttaatgttg cttctgctat tttatttcta 103260

gcttctatca tgtccagggt ctgggttctg atcagaagcc ttcctctagg gatggttgaa 103320

attatcaagc caacttcag attggcatag agtcactctg attgtttact ttagtgtgcc 103380

atgttatgct tcicaagggtg ttttataaaa tgtttctaatt cttactcttt aatactgtga 103440

ggtatataag tgaggcatta gtattcctaa tttatggaag agaataaag atactgaaag 103500

tagctaacat ttattgggca tttattaaat atcatttttc taaatgtttt acatccatta 103560

actaacttaa tctctgcagc aattctatga aataggtatt attaaactta tctcacagga 103620

agggaaacag gcacagagag gtcaaataat gtgttgaagg tcacataact tctaagcatg 103680

ggggccagat ttgaacccag gcagctctggt tacaaaactt aaccaatata tggcctctaa 103740  
 tgtaagacaa gtaaacaaat tgtgtggggg ttgcaagtga agaaatcctt ttaccagtta 103800  
 ctgctcaggt atctttctgg cctctgagat ggagtctgc tctttcaccc aggctggagt 103860  
 gcagtggttc aatctcagct cactgcaact tccatcttcc gggttcaagc cattcttctg 103920  
 cctcagcctt ccaagtagct ggtattacag ggggtcggca ccatgcccg ctaattttcg 103980  
 tattttttagc tgagacaggg ttctgccatg ttggcctggc tggctttgaa ctctgacct 104040  
 gaggtgatcc acccacttca gactcccaaa atgctgggat tacaggcgtg agccacagca 104100

cccgccctgg cctctggaat ctgatggaga tggaaaatgt tggtagctca ctgtggcac 104160  
 taatagaaca ctattgttat cttcagcagg agggaggcat tccatactc ctgcatgagt 104220  
 ttattaccg tgtttcctc tagctcagcc acccttgaga attcttttgc tgagacaaac 104280  
 aagacaatcc ctctgagata gtagcaataa ttgccacct tgtctatct tagttctgct 104340  
 tgttgcaagc caagttctaa tattaagcc agtactaaaa aatcataaac ttctcaata 104400  
 tcataagtct aaacacgtag gggaagcttt ggaaaacttt aggaacaaa taattcatga 104460  
 ggtcaaaatc aatctcataa tgaacaagta gatTTTTTt tttggaagcg gaagaatctc 104520

tggcctaaga tcgaaccatt ggacactcat gaaacttctc ttagaacagt gaaactatct 104580  
 agtcagtcac attgtggatt atttactaag tgctagaaat ctcatagtta aagcatttca 104640  
 tcaggagtag atgatcaaat atttaaaata tcaagagatt tgttattttt cttcttgctg 104700  
 gcactgattt agtttctaac cactagaatt tctccagac caggagtagg gaaaaaaga 104760  
 gaagagaaaa ctaaagccta actatttttag tatgttaata actttgatat gaatctgatg 104820  
 aagaaagagt tgaaaattat tagctaaaat gagatagggc atgtgtgtgc ctatatgtat 104880  
 atttaactat tggcctgtga gccctattct atttgaattg gcaataaaaa gtggacttac 104940

cttatatact tgtaaaatgc atgaaataca tatacaattt gttgacttat ttattttcta 105000  
 aagactcagt ctctccactg atgtagtac tgaaaagaag ttctcttttc cttatttgta 105060  
 aaacgtttta catatacatc ccttatatgt acgttataat agatgttcta cacagatatg 105120  
 catattgcat atacatatta tgtttccatg aataaataca gcagaatttc agtctaagga 105180  
 atgaaaagat tatgacttaa acataaacca actggagcaa ttcaaagggt ctttcttaag 105240  
 aacatggaat aaacgtgcta agatggctga aattatttaa agaattaggt aaaatataca 105300  
 taaattcctt taaatttaaa gaaaattttt aaaattaaat aaaatataaa tgaatgcctc 105360

agtctttgat ctgaatgcag cagaaaaagg ggattgaggc atggctgggg gccagctagc 105420  
 ctgggctct tgcctctga atggccctgg tccatccct ctttgaagct gagtagagtt 105480  
 cactgggctg aggcatacaa taacggcagg ggcttgggga attcataaga gggaaaaaag 105540

tcgactgca ctttctgaga aggccgggat tcacatatgt gggcgcacac acacacacac 105600  
acacacacac caggaaatgg agagtattgc ccttgtcaca gaataggcat tcttatggcc 105660  
cctccacaca tttcaagaga ctttgagaaa ctagtttggg gctggaactg tctcccatgc 105720  
cctttctaag atctgagagc ccagtgccca atttaggaga gttcaaacac caggaacaca 105780

aaagactcaa tttggagtgc agcgccctct tgtctgtcaa tctgtttgc tgaacctgct 105840  
cctccttcag ggtactaaaa cgggatggag cagaggaagg actgggatca aggataggag 105900  
tcctctatga tgggtgctcat tctccctcca taaggagcag atgttacttc tcttgaggat 105960  
gtgttatttc atttctacc tccccctaca aacaattgtg atgaggagga ggaggaggag 106020  
gatggtgata aaggccaaca gcatttattg atccctgact gttgggtatt atgctaagct 106080  
ttacattcat caccacagtc tactttcatt cctcaataa tccccagcag taggtgcca 106140  
tatectcacc atagtctact ttatttctct caatatccc cagcagtagg tgccattatc 106200

ctcaccttc ctgtttctct ggaaaataaa ctgaggctta gaggaagaa ttaacttgct 106260  
taaggtcaca cagctagtaa gtggttatgg taggtagaat aatctccaga gatgtccacc 106320  
tcctagtcca tgtgactatg ttgtgttacg tgccatggga aataaaggtt gcagatggaa 106380  
ttaaggttgt taatcagctg acctctagat tggggagatt ctccctagatt atcttattgg 106440  
gccaaatata atcacaaaga tctcataaa tgaaagaagc aggagagtca gtgtcaaaat 106500  
ggcacagagt gagagagact tgatggccat tgctggcttt gaagatgaaa gaagccgtaa 106560  
gttaggtctg tggaaggctc tggaagctag aaaaggaaag gaaaccaatt ctaccctgga 106620

atctccagaa aagaacacag ctactgaca ccttggtttt aggetagtga gtcccatttt 106680  
ggacttctga cctccagaac tgtaaaatac taaatttgtg ttgctttaag ccggtagggt 106740  
tgcagtgatt tgttacagca accagaggaa actaatacag tggtaaagct gaagcctgaa 106800  
gtctggccct agaccttctg gtacagagct gtgccttgct ccttatagtg caggccttgg 106860  
tagaaaggaa tagaccctc tgctgaacag ctccaccaga caggcccaaa ggcctaagag 106920  
acacaaaaca gatcatgaac actccaggaa tggcagacat tctgtccca tccagccagg 106980  
gaatggtggg gtggggtgag caagtctct tcaaaacgct gaatccctgg gaccatggca 107040

tttccccact gatcacattc attctgtctg gtccttcaag gagtaacag actagtgggg 107100  
ggcacagtca aggtaaacag ataagtacct ttccatggga tagtgctatg atagagtta 107160  
tggaagagca tagaagagc atgctaccag tttcaggggc ttcaggaggg ctccctaggg 107220  
aaggtgatca ctgaactgag tcttgaaagg tgagttaggg ggttgtgagg ctgagggtgg 107280  
tagaggagga agctgcacct ggaaagtctt ggaggtatat gagagtgtgg aaagtccctg 107340  
aggtatagca gcgtgtggct taccctaaaag ctgcacatgg atttgacagg actaattgag 107400

tttttatttg ttgtttcat cctatcactg gtaagacaat atttgtatca gtcagaagat 107460  
  
 accaggttag gctacagtaa caaacaaccc caaatctcgt ggcttaaacc acaggtttat 107520  
 ttcatgctca ttctacatgt ccatgatgtg tctgcagggc agcagctcgt tttagtttcc 107580  
 cagtgacct agcttacaga gtggcatca tctcaacat tatcagtcac catgccagag 107640  
 ggaaaggaaa ctctgaagga tctctgcctg gagatgacac gtgttttttc tgcacaaat 107700  
 atgctgacaa gaaatgtttc atggctctac ccaactgcaa gtggcccagc ctagaactca 107760  
 atgaaaaaaa gcatttcctc tgaagccaag gtggagagcc aggaatactt gttgaacaga 107820  
 attaatgacc agcactgtgt ttgttagcca ttttgttgt gacactgttc aaccaaacac 107880  
  
 caagcaattt agaaagactg gtatttacct tcttagactt cttattagcc actagtgcc 107940  
 taagtcttct ctaatcgtgg atttcaatac cattatcctc actgttcac aacaacttcc 108000  
 tgtttttata ttatgcacc atgacttttc taagaaagca tgtttctagt ttgttttgc 108060  
 catcaagaat cttagagcca aatttgact atagtacgtt ccaggtagcc cttattatct 108120  
 gcaaacagtt ggtaccagaa aaagtctgtc taagggaatc cattgtaaaa caggagcaa 108180  
 aatatgatgt tagattatgc agagttgaaa aacaaaacaa atgagtatga aaataaattt 108240  
 acttaatttt acttttaaaa cacttatatc acattgcaac cactgtctaa ttctcagcat 108300  
  
 gaaaaattaa ccatgttgac tttttgggtc ccactttcct caaaaaattt taagatagct 108360  
 caatggcttt ttttttttt ttttttttt ttttgatga gagtctcact ctgtggccca 108420  
 ggctggggta tagtggcaca atctcggtc actgcagcct ctagtccca ggttcaagt 108480  
 atctcctgc ctccagctcc tggctttttt ttgttttgt ttgttttgt atttttagta 108540  
 aagatagggt ttgccatgt tggccagtct ggtgttgaac ttctggccta aagtgatctg 108600  
 cccacctcag cctcccaag tgcctgggatt acaggcgtga gccactgcac ctggctggtt 108660  
 tattctttat atattgcctc ttttagaga tattctagtt aactatgcaa tggatttgc 108720  
  
 ttctatttgc tagttgtatt ggttgtttgc aatccacag catagacgtt gatggaacag 108780  
 caggaaattg gagctggcgc taaactgcag aatctgttag agcggggcct tcttttacag 108840  
 ctggtctctt cactagtga ttttctgaa ttaggaagac ttgcctccc tatgaaaccc 108900  
 tgtaactgtg gagacctgga taataaatac ctatagagag aatgagaatc cccatgtgtg 108960  
 gaatgcattt cttggaatta atcttgtcct tggcttttat tttatcatt ttttctttt 109020  
 tgttcagatt cctctacta ttttctttt ttctttttt tttcttttt tgtattttta 109080  
 aggagtggc tcagatcttt tctaacagga ggcagggtat aaaccaacaa tggacataaa 109140

tattgactac ccaacttttt aattatcccc aaacttggtt tttcagaatc ggccaccttg 109200  
 gggtagatgg ggtctgtgaa cttttcttaa ggcaactgagc ggagttgagt ggctgaagat 109260  
 gcttcagtga agcttgatgt ttatcctacc ctgttggtca gtccttcct cccagggagc 109320  
 tgtaaatcaa gaactgtggg tgtttcttga ttttccgggt ctgcagctca tttggatggt 109380  
 ccatagggtg tcaactgggt acttctctgt ctgggacctc tctctgaaat agaaacttcc 109440  
 ctccaaagga gagactgtct cctatttcat ttataaatca agttaactct ggttctttga 109500  
 ctttaagaaa ataacctatc tctcctctc agcaaatttc ttcctcttgg tctcatgcat 109560

gcagttgcta acacatgtat tcttggtgtg gaaacagtag aaaagtatta aacctttaa 109620  
 ataaaaccac aaaacctgc aattcatgaa acaaacctct atggagtctt tgctctttgt 109680  
 aagggacttt ccgtgtgttt gttcatgcaa tccttacacc aacctatgt ggttagtctt 109740  
 attgttccca tattaggtgt aggagatgga tgctcgaaga aggtgcaaat ttgcaccaag 109800  
 atcacctagt attggaagt ggatttatac ctatgttggc ctgactgcag agctgcccac 109860  
 ctttatacac ctaccactg tctcacctct tttcttatgc tttccagcca ggttataaaa 109920  
 ctgggaaaag aatagcatat ctctatcta gaaaataaca aaagaaagtc attctgtaat 109980

ttctaataa tactaagtg tacatatgta ttttaattta aataaaacta tggaaatttc 110040  
 cctgatggtc atcttaagt tgagaaacac acattttcac ttgtcagggt ggtcttatag 110100  
 taatgcagag caaacaacat tatctatatt ttatagatga gagaccatc cagggtcctg 110160  
 cagataaaag ggccagagtt gggattagag cacaggattc ctgactccta accagttta 110220  
 ctttcttcta ctacaatata cccattttac gaccccaaat aggaatgttc aacagtataa 110280  
 atgtaatgat ttaggatgag atgagaggta gatgggaaga acaggaggaa tcacctctgt 110340  
 accctgtggc actcattgca acccatggaa atgtttctgt tttaaagtcc agcatttagt 110400

tctggtgcca aaacaatgct gagtaatttc gtagaacctg agaaccagag aaggatcctg 110460  
 ggaggaactt ttgttttatt tgactttatt tcattggcct cactttatgt tcttttcaa 110520  
 accaagaatg cccactgggt tgtgagtaat gacaatttc agacaataga aaataatgcc 110580  
 caaacggctt tgtttgagag attcttgacg tcttttgta tccacctacc tttttatctc 110640  
 tacattttgc tcattgcttc catacaatta tcgcattat agagagcata tttttcctca 110700  
 aaccgccaac ttcacaaaac agcaaatgat ttgtaggta tgttgatta actgtgagt 110760  
 actgaagtgc cctcaatca cataccctg cttttatctt catctaggaa tgaaagtagc 110820

caggaaaggc aaagaaatca ttcaagaatt taaacataaa aagttggcta aattctgctg 110880  
 tggtagactt ctaccggatg agtttaatgt taattaaaac tccaagtga gttgtttgta 110940  
 aatgaatcat tcctgttca gtttgatgta gcaaggtcag cttctgtct caccggcagt 111000

gcgtgccagc tctttttctc atgtgtaagc tgtgaatgct gttaagcctg taaaccacta 111060  
 taataggttc agagatttta ggatccctga aagagaagga tcagaacaca gcagtgttga 111120  
 gtgtcagggt tcttgggcac ttgaaggatt aggcaggaca agtgaagtgt tacttttagg 111180  
 acaaatgtct gggcgattct caggcagcag gctggagaat gtgggctctg aggttagtct 111240

tgaattctaa tcccagctct attgttttac tgactgtgca acatggagca agtcattgcc 111300  
 ttcttctgag ccttggattt ctcatctcta taaaaataca attataataa ccttattgtg 111360  
 ttgttgtgac aatttgatgc gataaagtta ctggaacaca cgaagccctc aacatctggt 111420  
 tgcaatcatg atgataatta atgtatctat gcaataaata gtgggcactg ctatgtgctc 111480  
 catgctgttc tgggcgtcgg ggatacagca gtaacaaga cagacacaaa tccctgcctt 111540  
 cgtggggctg acattccagt agaggacaga caataagcaa gatacgtaag taaaaaatag 111600  
 agttcatggc caggcgcggc ggctcatgcc tgtaatcctt gcactttggg aggctgaggt 111660

gggtggatca cttaggttca gaagttcgag atcagcctgg ccaacatggt gaaaccttgt 111720  
 ctctactaaa gatacaaaaa ttaactggat gtggtagcgt gcgcctatag tcccagctac 111780  
 tcgagacact gaggcaggag aatcacttga acccaggaag cagaggttgc agtgagccga 111840  
 gattgcatca ctgcactcca gcctgggtga cagtgaagg cctgtctca aaacacacac 111900  
 acacacacac acacacacac gtcatgaatt aagtgttaat gagaaaataa caatgcggag 111960  
 gaagataagt agtattaggg gaggtgaaa ttttaaagcg gtagctagga aaggeccctt 112020  
 ctggaagacg aatttgtgta agacctggag gaggtgaagg aaaaagtcaa atggttcctt 112080

gggggaaaag cattccaggc tgagggaaca gcaagtctaa ggccctgaa ggaagacagt 112140  
 gcctgccatg ctccctgtgc cgctggaagg ccaggggctg gtattgagt atccagtga 112200  
 gaacactaag aagtgaagca gcaggagggt caaatccagc acggcagggc ctttgggtaca 112260  
 gagggaggac tgcggtttct cttctaagtg tgatgaggag ggtcacaggg agggcacaaa 112320  
 ccctggagaa gcacaacaca ggaccaatcc ccataacagc agtccaccc tttctcactt 112380  
 agactgggct agagtgttga agcatgagga aaagagatgg gcctggcttt ctgtgcctca 112440  
 aagcaccagc tcaagctgtg acataggcat ccaccactct tcctttgtgc ctacacctgt 112500

atttttgaat gtactctcat cacagtgtat atcacctgac tgttcttcaa agtcagtttc 112560  
 cccagtatth gttcaataaa tgtttaccga tcactcatta cgtgcaggca ctatgttagg 112620  
 tgctaaatag tacagtgaca taaaaggctg taacaatta aaaaatcaac gcctcttatg 112680  
 tcagaaaagt aacactgtgt catcaaagca aagtcgactt ctctatatag tgtgggtata 112740  
 tttaggatth gagaaggga aaagcgtgct tagcttccgg gctccaatgt gcggatatac 112800  
 accctctct tagcttgta gcttagggat ttcccacca gttgcacag gtgtgttatac 112860

tgaagtcatt taacctgttg acagtcgcat tcttggaata agtaagttcc atgcaggatga 112920

acttgacaaa acaatgccag taaccttttt agctgctgaa gtaattggtc caaaagttaa 112980

aaataataag cttcattttc cactgaatct tgttgacaga gagtatcagc agggccttga 113040

gttagaagag tctaaatccc tgatgaatag ttcaaaaaa ttactgttaa actttttgta 113100

aacaaggttt ttttagtcat aataatgttt ttaagataaa ttgtgtggat aattggtaca 113160

aacttacgat gtatgcattt agttagcctc agtacaatca aatgtgttgt taccagtga 113220

tcaacaaatg cacctcaata tcttaattta tcattcatga taataaatgg agacaacacc 113280

atagattaag gtaattcaca gccttgttct agccaatggc ttcaactttc tttccttttt 113340

ttttttgaga tggcgtctcg ctctgttgcc cgggctggag tgcagtggag cgatcttggc 113400

tcactgcaac ctgtgcctcc tgggttcaaa tgattcttct acctcagcct cctgagtagc 113460

taggattaca ggtgcgtgcc accatgcccg cctaattttt gtaatttttag tagagacggg 113520

gtttcaccaat gttagtcagg ctggctcga actcctgacc ttgtgatctg cctgccttgg 113580

cctcccaaag tgctgggatt ataggtgtga gccactgcgc ccggcagtgg cttcaacttt 113640

cttggcaacc aagtttatgt taggagtggc caacaaatat cacatccaca gacactgatg 113700

ctaccaaata gaaaggtcag gaaagggcca gcagcaacaa agaggggagga ggggaatgtg 113760

agggtcctaa ggaatccaca ggctgatgga gcatccctta atccagttaa ctgaaatgag 113820

ttagactaag agtctacact tggccccag ctggctcaat tcaagtcctc ccttggacct 113880

actgggactc caccttttagg agtggatcct ctggaggaat cctggcacca agcaaacttc 113940

ccagggtccc tttgacttgc tggaaattgg ctgacctctg agggagtgtt gtttaaatgg 114000

atcaatttaa gcacagaaag aatccagcct aattttttgt gtgtgcgttt taattttttt 114060

ttatcagtat aggtctctg acatgtccca gtgaatgtgc atgtttttta agtacaatga 114120

tatgaaatat attaaaagta tactagaata taaactctgg gaaaggagag aacaccgtgt 114180

ttcctttgtt gatattttcc cagccctaga attatgcctg ccaatgatag atgcttaaaa 114240

aatacttgtg agatgaatga aagaatgaat gtgttcacca agtttctgac ctcaaagagt 114300

ttaggacctc gaagagcaga tagggcatgg tcagaaatac ctatgacaaa ggtagtact 114360

gaggcttctc ttaagacaga aaccattaag aggagaggat gaaatagatt ctgcctgggt 114420

tgataaggag acatttcata atggaagagt atttggagga aaaaaggagg aaaaggaaac 114480

tagaaatgtg ggatgggcct tctacaaaag atcactgttg aagaaagctt ctaaaaatct 114540

tctttggtta taattaaaac cccaagacag cacaaatccc tgagagacag tatggagaga 114600

tgtgagaatc aaaacatgaa gtaggggcc atgaaatgtt tgacaaataa gtgccatttc 114660  
 aaaaacgtca tcccatggcc aggtgcagtg gctttcatct gtaatccag aactttggga 114720  
 ggctgaagcg ggaggcttgc ttgagttcag gagtccaaga ccagcctagg caacatagtg 114780  
 agacctgtct ccacaaaaa taataaaatt tccccaggca tgggtggcaca tgcctgtgat 114840  
 cccagctact gaggaggctg aggtgggagg attgcttggg tccaggagtt tgaggctaca 114900  
 gtgagttgag atcacaccac tgcactccag cttgagcagc agagagagaa ccctcacttg 114960  
 ggggctagga tgaatTTTTT ttcgagacag ggtctccctc tgttgcccag actggaatga 115020

aatggtgcaa tcttggctca ctgcaacctc aacctcctgg gccaagcga tctctccacc 115080  
 tcagctcct gcatagctga gaccacaggc atgtgccacc acatccggt aattctaaaa 115140  
 gtgcagtga aaacgaagag attgtgagga actctgtaaa taaaaaggt taaagaaata 115200  
 gtttataaga acagtgaaca acaatgaaac tctttatgac agtcttcccc ataattgttg 115260  
 ctttcacatc aaatcagtc tgaggacatg atataaacta tacaatgag ctttcttgac 115320  
 ttcctTTTTT aatataagaa attgattgtt tcctaggtct catttcgttg aaattgttg 115380  
 caataatac tgaagggatg caatttcaca aactgcaaca tgagcaagac cgtatctaca 115440

gtgttcacat ctgtactgc agcttttagc accatagctg accacagtag tggctgttca 115500  
 taaatattta ttgaatgaac gaaccaatat tttctgagta ggtcctgtgt gcaaagctct 115560  
 ggagaggcat gctgggggag gaaaggatgg agtcatgatt tctcatgaag tctcttcaat 115620  
 aacttcacag tccaaggctg ggagggtgg gactgtgagt ggggaacaga catagacata 115680  
 aatagctttg ctgaaattca ggggtgtgta ccacagcagc aagtccaagc agtataaaaa 115740  
 taataaacta ttagatgtca ctttacattt atatatatt ttgtccactt gattatctga 115800  
 aaatgggaaa aagaagaatt attattatta ttttttttg agacagagtc tcgctctgtc 115860

accaggtg gtagtcagt gtgcgatctc ggctcactgc aagctctgcc tcttgggttc 115920  
 acgcattct cctgcctcag cctcccgagt agctgggact acaggcgccc gccatcacgc 115980  
 ccggctaatt tttgtatct ttagtagaga cggggtttca ccgtgttagc caggatggac 116040  
 tcgatctct gacctgtga tccgccgcc tcggccccc taaattgtg ggattacagg 116100  
 catgagccac tgcgcctggc ctaaatTTTT aattgttatt tataaaataa aagctatttt 116160  
 atatatatta aaatagtata tattggccag gcacagtggc tcatgcctgt aatctacca 116220  
 ctttgggagg ccaaagtggg aggtacactt gagcccagga gttcaagacc agcccaggca 116280

acacagcaaa agcccatctc taaaaaaat aaaaaatta gccagacctg ttggcacacg 116340  
 cctatagtc tagctactca aaaggctgag atgggagaat tgcttgaacc caggaggctg 116400  
 aggttgcatg gagccaagac tgtgccactg cactccagcc tgtgcaccag agcaagagtc 116460

tgtctcccaa aatatctata tatgtatata gatatatcaa ttatataata tatgtatata 116520  
gacataccaa gcaattatat atgtatatac atatatctat atacatatac attcctcatt 116580  
atgtttgcta tatacatata catatatata gatatctata tatgtatgta gctatgtctg 116640  
catataaattt gtatatgtaa tatatgtata tatataattg cttggctctat tttatgtatc 116700

ttgagaccta ttgaaggttt ttgaacatgt gggcaattct ggagagtaat tactaaaaaa 116760  
agagaaaata tgggtgaggt tttgtttact cagggtttgt ttttgtttc ccctttactt 116820  
ccctttcatt gttattgacg tctataagta tccattggca tgtgaccag atcgagcctt 116880  
attttctgt ttccaaagca tatgattaat ttctaacgta ctacattact tacttgttta 116940  
ttatgtttat tgittgctc ccctcctctg ccattaact taagcatcag aagatcaaaa 117000  
ggtttttgc tattttgtcc acttttatag cccaagcact tggaaaaatt tctgatgtaa 117060  
agcaggtgtt gaataacttt gttgactgaa taatagtca ggacattttt gttttgtttt 117120

gttttgtttt gagacagagt ctgctctgt cgcctaggct ggactggagt ggagagcagt 117180  
gatgcaatct cggccactg caccctcacc tcttggtttc ttttctttc tcttttattt 117240  
atttattttt ttgagacgg ggtctcgtc tatcaccag gctgaagtgc agtggcatga 117300  
tctctgctca ctgcaacctc caccctccag gttcaaatga tttccctgcc tcagcttccc 117360  
gagtagctgg gattacaggc atgcaccacc aactcagct aatttttggt tttttagtag 117420  
agacgggggtt tcacatgtt ggccaggctg gtctcgaact cctgacctca ggtgatccac 117480  
ccaccccggc ctcccaaagt gctaggatta caggcatgag acaccgcacg aggccacct 117540

cgtggtttca agcgattctc ccacttcagc ctcccaacta gctgggatta cagggtgtgtg 117600  
ccaccacacc cgictaattt ttgtattttt agtagagaca gggtttcacc acattgcgca 117660  
gggtggtctt ggactcctga gctcaggcaa tccaaatcca cctgcctcag cctcccaaag 117720  
tgctgggatt acaggcgtga gccactgtgc ccagccagcg tatttatttt ttaagagcaa 117780  
tattaggttc ataaaaaaa gacgaatgga aggtgcagat atttcccatg tatctgctgc 117840  
ccacacatac acatagcctc cccactatc aaaatcctgc accagagtga tacatttatt 117900  
acaactgatg aacctacatg gacatctect gtcaccata gtttatagta ggttactct 117960

tgggtgctgta cattctatgg gttttgacaa atgtacaagg catgtgtcca cactacaat 118020  
atcatatcga atggtttcac tgccttaaaa tattctgtgc caccatattc atctaccct 118080  
tccctttaac ctgagccact gctgatcttt ttaactgcctc cctagttttg ctttccctac 118140  
aatgtcatac acttgaaatt gtgtgggatg tagccttttc agactggctt ctttcactta 118200  
gaaatatgca ttttaagttt ctttcatgtt gtttcatggt ttgatagctc atttcttttc 118260  
agtgtcgaat aatattccat tgtctgaatg tactacttta tgtatccaat gaattataat 118320

tttagaaca aaagtaaggt aagaggaaca caactttttt ttgttgtttt ttgtttgtgt 118380  
  
 ttttttttt tttttttgag acggagtctc actctgtcac ccaggctgga gtgcagtggc 118440  
 gtgatctcag ctcaactgcaa gcgtcggtctc ttgggttcat gccattttcc tgcctcagcc 118500  
 tcctgagtag ctgggactac aggtgcctgc caccatgcct ggctaatttt ttgtatttt 118560  
 tagtagagat ggggtttcac cgtgttagcc aggatggtct cgatcttctg accctgtgat 118620  
 ctgccagcct tagcttccca aagtgtctggg attacaggca tgagccaccg tacccggcca 118680  
 gaggaactca acttctaag taaccgtcc ccaaccccca ggccacggac cattacagtg 118740  
 gtctgttagc aaccaggccg cacagtagga gtggatgagt aagtgaagct tcatttgtat 118800  
  
 ttacagctgc tccccattgc tcacataacc acccgagctc tgcctcctgt aagatcagtg 118860  
 gcagcattag attctcacag gagcccgaa cctattgtga actacacatg cgagggatct 118920  
 aggtagcaca ctcttatga gaactaatg cctgaagatc tgtcactatc tctcatcgcc 118980  
 cccagtggga ccatctagt ttgcggaaaca agctcagggc tccgtgatt ctatgttatg 119040  
 ctgagtgtga taattatttc attatatgtt ataataaaaa aataataaag tgcacaataa 119100  
 atgcaacgca ctgaaccac gccaaaacca tccgccaca ccccatccgt ggaaaaattg 119160  
 tcttccaca aactggtccc tgggtccaaa aagtttgggg actgctcttc taaagggata 119220  
  
 aaacagttgc cctgagtgga ctttttgaag atgtaaagca agggctgggg agatgtcctg 119280  
 agcacctggg gataatggcc ttggatgga aactgagttc tgtcgttcat tcagctgatg 119340  
 ttttaaggcg ccttccctgg gcagcgaggg tgcgtgttct tgagggtgtg gacaccaga 119400  
 gccagtcctt gcgtctcac agttttccct ctggctgcaa gcgtgggggt gtggccctag 119460  
 ctggtccgtt gggctctgca ggagtcctaa ctgggctcgg gatagccgga cagacccag 119520  
 gccaggggaa agctcactcg tggctgtcgc atctctccct ccaagcaggt cgaagaagg 119580  
 ggcaaagcag acacctgag ctccaaactg caggctgggg atgaggttgt gcacatcaat 119640  
  
 gaggtgactc tgagcagctc cagaaaggag gcagtttccc tggtgaaagg atcctacaag 119700  
 acctcagcg tggtagtgcg caggtaggtg gcagaccccc acctgtccc tcctaccacc 119760  
 tcacccacc tctctcccta cctacccca cctctgggaa aagagctcgg ggttggtagc 119820  
 ttggctttaa acctccatgt atggatcctg ctttttttc tttttcttt cctatcttgt 119880  
 gggatgtggg gaggaagtgg ggtgaagaca ttccagacac tgcgtctttt cagaacactc 119940  
 atttccagc aggtactggt ttgtcaggga tagacctcac tggactacct aaattttggg 120000  
 acctgatgaa aagtgcact catccagat gcggtcagag ctctaataag ctttttgtct 120060

ggtgggacta gagaaagaaa ttggcttgga gctttcagtg gcattttggg aaccacacct 120120  
 gcatcacagg gtctttcaaa acaggcaaatt tctctcattg gttgttttgt tttctggtct 120180  
 caatagtggg gattcctctg ttgggaaagt gttgggttgt gtttgatttt aatgccttag 120240  
 catcagaagc ttigtactcc cggaaccaa ccttcgtgg aggaaattat ttatggaaag 120300  
 gggatgggaa ttgaattatt tttttgatct ctattagtaa gcactgcttg agacatttta 120360  
 cacatcttag ctcatthaat ctgcacatga acccatgag atagctaata actatcccca 120420  
 ttttacaggc aagagattaa ataggttact ggaggtagcc aagctgataa gttgaaaagc 120480  
  
 cagaatagaa tccagattgc ctgattctat ttcatgccac ttgagcatca ttatcttgac 120540  
 ctgctaagcg ctaggcccac atattttgca tatttgaata tttcttctt agatttcagc 120600  
 tgcctcacat agcagctaatt gttacagtat ttaagaatgt tctagttagc tgagacttca 120660  
 ggagtcatca atgaagcccc accattttca ggtgtagaa agtaagctgg tcttccatca 120720  
 tgccacagat ggctctttaa agacctgcat taattcattt ctcaaattgt tcctaagtga 120780  
 gcccattgctc aggggaacag cagctcctcc cagccacaaa aaacacagcg atgactgtgg 120840  
 tcccactgtg tctccaggct ctagtgactc tccctagtgt gctgggctgt gtctggtctg 120900  
  
 tctacagggc catcaaccag caattgcttc tctgggtgtc agtgatgcag agtggctcaa 120960  
 agcataggca ccggattcag acagaccgg gttcaaattc cagggtgtc acctgttagc 121020  
 tgtgtgagct tggccaaatt acttaacctc actgaaaatt caatactctc atctttaaat 121080  
 gaggatttaa atatatgtat ttatgcaaaa atatggcaac aatctaagta tccatggagg 121140  
 gacaaaccaa agaaaatgtg gtgtatatat gtatatgttt atgtatacac acacacacac 121200  
 acacacacac acacacacac acgaggaata ttatccagcc ataaaaaaag aaggaaatct 121260  
 tgccatttgc agcaatgtag atgaacctgg aggacatttt gttaagtga agaagccagt 121320  
  
 cacagaaccg taaaaactgt atcttctcac ttatacatgg tgtataaaaa agtcaaactc 121380  
 acagaaacag agagtagaat ggtgtttgcc agggactggg gcacagggga aatggggaga 121440  
 tgttggtcaa ggggtacaaa cttttagtta taagatgaat aagtctctggg gacctaaagt 121500  
 aaaacatggg gactacagtt agtaatactg tattgtttac ttaaaatttg ctatgagaat 121560  
 agatcttaag tgcctcact atacacacac acaggtaact gtgtgttgat taatttgatt 121620  
 tttgattgtg gtaatcatga cacagtgtgt acatatatca aatcatcaca ttgtacactt 121680  
 tgaatatatg caatttttgg caattatact tgggcaatcc aacatacttt acaaagtgat 121740  
  
 tggaaagatt agatgaaaca ctctgaggta acaagagatg ctgctgctat tatttctatt 121800  
 attattggcc aactctaggc ataggtcat tccttgaga tccagatttc agtaaagtaa 121860  
 gcagtcatct caaacatggg gctgatgttt caaacagatg ggtagacaag ctcagaacca 121920

tggggccatt ccttgtgtcc agagagtgtc gaaggttttg aactcacctt ggcatgtgaa 121980  
 cccaggagcc cagtttgaa acactgggca ttgatctgtt gggtactaat ggcagaatcc 122040  
 acactcctga tgtgtttcaa catgactgtg gtgatagatt ggcctctgga aagggtctgt 122100  
 ctgtttcctg ctatgaagaa taatcatggt ggcttctggt aggccttcta atagatggtg 122160

atataagatt tgaattactt cttctagtag aacctttgga aacagacaga tatggggttg 122220  
 aaatctggtc tggttatttg caaatgtgt gactttgggc tctctaagcc ccagtttcct 122280  
 cttttgtgaa atggaaataa tcattcttac ctgaaaggg cattagttaa gtaagttaa 122340  
 gtacacagtg gatatgcaat atttgattat tattattctg gattaggcta gagagatgtg 122400  
 acacatgcta atatggagaa gtattgccat aataccatat atgctggttc cctggttatc 122460  
 tggaggcccc ccttttcatt ctcttagtga gtttacaacc atttaagggc tagtaccag 122520  
 cttacaggtc cagaattggt catgactgtc tcagacctg tggaaatttag gagtgttaat 122580

tcacagtatc caaatcaca gaaactgaag gatataaacc agaatgtac tacactgact 122640  
 ctttttgaa aagacaacta taagtgaata gtatgccata tggacaaaa accagtatat 122700  
 agtactttat cctacaaga aaactaaatg ggaagtctaa ttatggtcag gagtgtgcat 122760  
 agtgatttcc aactccaagt gaagagaata gtctgtagg caccagtatt tgctaggatc 122820  
 cactctgatg gccagatggt ccatcttct aataggggtc tggctgccag gcggccagag 122880  
 attcacatcc agaagcaagg gcccttccc ctctgggccc cagggaatca tgctgccaac 122940  
 gttctcctct ccattttcat tctctcaac accaaatcct cttctgatt gacacattct 123000

ttctttacgt atgctaagc aatcgataag gttactgagc agttcttgca ctttctgctt 123060  
 ctggtgtggg aaacattttg tccctaagat gccttttgaa tatgtcttat ctcactat 123120  
 atgtgttgat ttttatagt gaactttcaa aggaaaagga ggctgcctt acatctgaca 123180  
 catgcttata gatggggatt atcaacacgc ctccagagac atggatggac attcctcccc 123240  
 taccttgcat agatccgggt agaagcctct ttgcgtgga ttaatctggc ttgtatttc 123300  
 gtagtgccgt cactttcctg agaagtctta cttttatacc ttggcacacg tcactgtcct 123360  
 gagattctgt ttctttgat ttattgatgc cagagtgtc aaggacattt catattataa 123420

ctttctttt ttctatgiga tctctatact ttaaaaaaga ctggggtgtc ttcctggaaa 123480  
 cataatagga aggaatgtc gtttcatgaa taaatcatt gtgtagtcaa aatgtatatt 123540  
 ttggcagcca tgiacctgcc tctttttctc ttaaagtat ttggctggg cgaggcggc 123600  
 acctcatgtc aggtttcac atccatcata aaaatgcaa gaacacagag cagggtata 123660  
 gtgtttatat aagttttggg attgtcttac ccagtacca aaaacaataa aaagtagaaa 123720  
 caccttctta aaaggctaca gtgacaagaa aaatgcaaag cctcaagtaa gttgtgggtc 123780

aaagactttc aaagatctgc tgacccata

123809

<210> 12

<211> 6917

<212> DNA

<213> Homo sapiens

<400> 12

glaaggatac ttactccacc aagaccaggg ggaccagggg ggccgggagg accagggggg	60
ccaggatttc caggggtccc aggtttccca tctctgccac gaggtccagg ggcacccttg	120
gcataaagag aaaaaggcat caatgggaag cagtgtttct ccaagagcca tctgtccctt	180
ggctgtctct taagagggtga ccaggccctt aaacacatgg tggggccttg ggggacctgg	240
gaagtccacc aggttcaagc agcattgtct ttactcact tttcacctt tgtcaccagc	300
atccctcttg ggtccttggt cccctgcagg tccctgaagg tgaagaacat ggtaaatga	360
cagcaaggcc aggagcctgc agatcagtaa cttgcgcgca gcgaggaagg gacggagaaa	420
gagattttct cctctcttac ctgaggccca ggaggtcctt tgggtcctac aatctgtgag	480
agagagcccc acaggatggt aagttagagg agagcacaag gaaatgacct atttagagca	540
gcagctgcaa taccgggtga gaataatttg cacttacatc cttgatgtct ccaggttctc	600
ctttctgttc ctgaaacatg aaacattcac aggattaagc cgagtaagcc cactaagccc	660
ctagtctaaa accctgccag cagccctgt gttgaggtac cctctgaaac agatatcttc	720
tgatgtctaa aaaatcacag actggattaa catagcattg cttttgaagc agaaaatata	780
aagccaaaaa aatatgaaaa aagaaaaaga agaaagccct tacctttggt cctggttgcc	840
ctgcaaggga aaaaatatag agaagaagaa ggtaagaatc ttgagatgga aaaataccta	900
ttcttgtcac tcaaacactc attagatcaa acaagtaaaa ggacacaatc aaggaaggcg	960
gcagcttctt gtgactccac tgaacccctc tgttgggtg ttagggccac tgtggccctg	1020
gggttctgta ggtcccatga ggaatggagg tgaccagac tttgttatc aaaaagcagg	1080
cagcatgcaa aagaaaggag caagggcagc acaaaaaggc aatgaagagc tcaagatcta	1140
atcagccaca agaaggaaag cacagattca gtctctcttc cccccacagg gtagggagcc	1200
gttcccgaac cccaagccct cccagaggaa gagttaggta cttagaaagg tcttacatta	1260
gagctgggtc tccttgaagc aagcacaat aaaaacacaa aaacagcaag gcataatgagt	1320
tatgaagagc atcggagcat catagcctgt gccatcccca gtcaataacc tctccttcac	1380
agtagcagca aaatagtaaa ggcaatcaac acttactca cacgggcccc tcagaaagga	1440
tctgggaatc tgcacattag ggagccagtg ttggtgaagt gttaaggaaa ggcagcttct	1500

cacttccctt gccacggcct tctctacttc agcaggaagc ggacagcaag agctacccaa 1560  
 aaaacctaca caagcgtccc cactcactct gcaggagat aggacatctg tatgaatgct 1620

gggaaggggt cacctgcaca tataatcatcc accagcactg gatctaactg ggagtttata 1680  
 accaccact acagtgcaga tacatggggc tctgtctcca cccgtccca cgagaactcc 1740  
 caaagcctag ccttccctc tctattatt ttgttctga attaatggtc aactccaaga 1800  
 gaggtaatag cagagaggaa actaccacca atgttcata actcaaagag ggagcctctg 1860  
 cccctgcagt ctccccacta gctggcagag ctttctccac actgaagacc acatacatag 1920  
 aagtcttcta aggagaagac aagggtcgg tggcagagga ggaattaatt cgtggattgg 1980  
 ccagacagag cattgatct ccatagtggc tctagtaatt tgcagagatg atttcagaga 2040

ggattttttt ttttttttt ttgtagaatc acatctgtcc ttcatgtgtc ttggaagcaa 2100  
 atgtttttgg agatgttggg caaagaagga cccctctagt gtctcaggct cgttactca 2160  
 gtttcaacct gcaagtgcga agtggccttt ctttctacc ccagctacca ggtcccatgg 2220  
 ataactagcc cctctgcttt gcagagacga ccagcatcta tgggagcgtg ttgacagtgc 2280  
 ttgcaagtaa tttatttatg ttgaacagga aataaataaa ttacaaccac tggcagtggc 2340  
 gaggtcagtt gggcagatgg ggcagcactc tccgaagggg atctcagggc tgaggcagtc 2400  
 tttcacgtct tcacagatta tgtcgtcgca gaggacagtc ccagtgtcac agacacagat 2460

ccggcagggc tccggcttcc acacatcctt atcattatac ctctgcccat cctgcacaca 2520  
 gctgccagcc tctctgcac caagggtggg gagggagaag cagagagcca agggaaggag 2580  
 ggggtgggga gccagagaga aaaagagaga ggttgcagtc aacttgacag aattcaaatg 2640  
 ctgaagaatg taggctgggg ccacctggac atatagaact taaaaattat tttctaaaa 2700  
 catcattgat ttttcatgt attcaacaaa tttttattat gcaccttgca ccatgttgc 2760  
 tattcaccag tgaatatctt gaccagcaa tgaagggtggg gggttactat actatattct 2820  
 ctttaccac ctaatacggg ggagaccagg tgatggagtg ggtggaggga gttggagggt 2880

gagcggaagg gaggagacaa gatattctga ataggaattc tgggactata aaaagaaagg 2940  
 agacagaaaa atggcgagac ctcccttcca ccagcccagg agcagagaag tcttctttct 3000  
 tctgccttcc tctgggaatt atgggattag ctaaatacaa ctgacaacta acattcagag 3060  
 ggaatgtaga aaattctacc taaaaaatt ggaatctata agcagtgagg ctccaaaaat 3120  
 aggtatataa gaaagggggg tgaagagacg agctattaga attaggatct tgtctcattc 3180  
 tttgaacat attagaatta ggaccaattt ggggaggggg atagacccat tcaacaata 3240

cacttggggc ttgggcaggc taataaactg cttaggaggc cagtggagcc aaagcgcccc 3300

cagtgtgac ctccacctgt agccctgcct ggagaggccc tgcctccatc tgaaaacagc 3360

accccagttt ggggagcagg ggtcgttgaa tacctggcta gggttaagat tggccagtec 3420

aggcctggcc tcctccaaga ctgcagagga agaatagcag ggactagtct cctccaccag 3480

cgccctgccg tctggaattc atgtgc meta tgaaacctgt gctgacaaga gcgtcctta 3540

gcagccaagg gctgtagagc ccgcaccacg tgctaggagg cgcccagcgc tgtttttctc 3600

atcaaaatcc ccaaggcaat agcagcagca ggggatgaat aataggaaag agccacaaac 3660

ccagaggcg agaaagaaac gagcctgccc actgctcttt aaagagagtg aaaatccaaa 3720

gataaacttt ccttttact tcccactag aagaaatccg cctagccttt gggcaagata 3780

atcacaggag ggtgagggat tccaggga aa atacagaagt tgcggggaca caccgccgt 3840

taaaatagct ggagcagtgg aatgcaggcg gtgaggaagg tgtgggagag ggggcatcgg 3900

ttaatgcgt ccagcccaga ctacaggaga gccaccctc gccatgagg acccaggag 3960

gagaggggga aatgctagga gagggggcac tccccgtcg gatcagattt cccggggaag 4020

ggcgcccg gaagcgccg cgccaggcg gggccaggct gcgtgggtg taagagccgc 4080

tgagtgactc tgtggctcg gctctggaca cggctcgctc acagacaccg ggagagtga 4140

aagtgggatt aaatgactgc cccagaaagg agccagcgcc gtaaccgat cccctaggtg 4200

tggacggagg agcccagcac caccataatt gctgctcaa aacggctgcc gatagcatcc 4260

cgcgcgcc gatccggttc cctcattac cgcaggccg tataagtgat tctttgtggc 4320

aagccaatta aaaagctacc tctttgggg aactgtttg cttcacgcc gctctcgca 4380

gggctggagc cgagaggtgg cggcggcg gcacagggg gcattgtgg agagggggtc 4440

tgggagtac agagaacca ctggacctg tctctcatga atggggcttt tctcgagcg 4500

acacagagcc cgattcacag gtctccgca ggaaccagtt taaataaata cgggcagcgt 4560

ttcagcccca tctggaagcc atcgtgcca atctccaat gcaacaagc ctcacaaagg 4620

aggattgaga tctctccct gagccagggg cactttcgga ggcgagggt ctgaaatgca 4680

gatgagggtc aaagacgcc cgccagtaa gtttctcaa ctcgtggaaa gatggagagg 4740

aggggtgtgg ccgagctcta ggtgtctgac attcctgacg tccacgcaga ctgcgattt 4800

ccccagtea cacttttggg tccgtgacc ccaggcgggg gaagtataa aaggtggat 4860

gtccagggc gcaaaatcag cctctcgat gcagaatcac actccctctg ggaggaggag 4920

cgactggaag gtttggccg gagaagctgt ggaatcactc cctcccagga aagatcggc 4980

gatgagagag ctctaccgcc taattaagca agcgacccta ataccgcatg gagaatttga 5040  
gaattatattt aaagccaccc agctaattcc attgcgcaact aaggcagggg tcagtcaaga 5100  
agacagcttt gtggcggtgt gcttgtaaat gtagtacaaa aatatagtca gtctgagtc 5160  
aggccacgta tagtcacgct gtattcctca aatgccagg agcgcgcctc cagcttagcg 5220  
cactaccggg tgacccggcc agagtctcct gctcccggct cctcgcagct gcgccgcagg 5280  
ctccagccct gccccgctg cgctaattgac cggaaagccc gcctgagccc gccgccttc 5340  
acgctatccc tggaaacagc ctgggtggcag gagaggggccc acagagcctc gaaggcagag 5400  
  
aacttttatt cccccgcg aagagtttcc ctctgcgatt gatttacaat ctgtaacata 5460  
caaagacagg gctggaatcc cagccgtcgg aaacgtgccc aaacacgtgg aaaaaaaat 5520  
cctctctacc taatacatt tccaggcttc gtttgtcctg aatataatcc cagacagtgg 5580  
accttacaa aggaggggta gaaaggtgca gtccgaacag catttgacc cgactacaag 5640  
agccatctct aactataccg gttgaatag ttgtagcaac cgtagcaatc gaccagcctg 5700  
ctcccccttc ctgacacaca catacacaca cacacacga cacacacaca caccacgcag 5760  
cctggctcgg tgagttccag aatttagaaa agtaactcat tgtagtacct cggggcggcg 5820  
  
gggaatgggg taagaccgcg gggaaggggg cgctattttc gggggcattt gaaaagcacg 5880  
gtctggttgg aatgttatcg tctttcagat ggctctcct actggaagt tctgtaccct 5940  
ttatcagaag agaggcgag cgggacggag ggaagtcgag atgagcgcta gggctgcacc 6000  
ttgtccagg gccagctggg agggggaggg tacctaag aggcgtgag gtctcagagg 6060  
gcctatcgga agccgttctt tgtggcctgg gatttcagcc caccagtgtc agagtgttag 6120  
tcccccttgt ctaactctgc tttagacca ccagccacca agccttgac aggtgtgaa 6180  
gtcaaccctt tggcgttgc ttgtccctc gctcgcctc tctctttcct acttcaccta 6240  
  
agttcgatga gttgagatct gtttttctg aactcgaagt gcttcgaaga ggcgagctgt 6300  
gtgatgtgc gcctaattat caaagctggt ggaagagc ccatattat ctgtgcgcaa 6360  
acttctcga gccaacatt tgcaagttca gtattctagc gcaacgtagg gacctgcaa 6420  
tacttgcaac tgcgatggg accgaggacc ctgggacaga gtccttgatt ggcagaactc 6480  
ttcttggtga acttctgct gtctgtgcc taagtcggcg cgctacgacc ccgggagccg 6540  
ttttagcccc gagcccggtg ctccagagct ggagcgggccc ggggagaagg atgctgaggg 6600  
acgatggaa agcaggcagg caggcagggg cgggggaaga ctacggaca tcttgccct 6660  
  
gacaccgaag gacagcggcg acgagcagcg tcagcagcac cagcgtctgg ggagccccga 6720  
ggcgaatcat ggctcacgc ggggcctggc tgagccgggc ccggcgagg cgacgcgaaa 6780  
cggcaggagc acggcgcggtg tccgggtctc taccgcgccc tcatgcagga ggcccttga 6840

gcaggagggg gaagcgggag acccggcagc ccagcagcgc tctgcgtctt ctccccgccg 6900  
cggcgcccgt tatatgc 6917  
<210> 13  
<211> 317796  
<212> DNA  
<213> Homo sapiens  
<400> 13  
gtgcccaagt cagagggcta ctgcagccgt atcctgcgcg cccagggcac gcggcgcgag 60  
  
ggctacaccg agttcagcct ccgcgtggag ggcgaccccg acttctacaa gccgggaacc 120  
agctaccgcg gtaagtggcc gcccgccgtg gcattaggag agcgggaccc ggtccccgga 180  
gggcgcgcgac ctgcggtgc cggaggaggg cgcgcggtct ccgggcgcgt ggccgcgggtg 240  
cagccccgca agggcccttc tgtcttggtt gccctcggcc cttgcagtcg cgagctcggc 300  
gcggatcata atccagcgtc ccgggccgtc gcgggggccg cagccaggag aggcaccccg 360  
cgtttccgac gcgcggttcc caggcggagg atgtaactga gccacacgtc acgccgcctt 420  
gactgcaagg gaggtctgct tctcccccg ccgtctgcag gagggaagta aaactgcctt 480  
  
tctccaaatc ggtctggagg ggaccaggc ttctcttggg cgggtcccg gcaaggcagc 540  
cactccagct ttccccgtc agtccctgaa ggagagggtta cccgattctc aaagactggc 600  
cctgggcggg acagccactc cggcttcctt ggataggtcc cttcaggaga agggactttg 660  
gctttctcct aaccggtccc ggggtgcggg aaggaggggc agggacagcc taaagctcct 720  
cgaaagggtc ttggaaaga accccaaatt attctctcgt ggtcccagac gagatagagt 780  
atcttgggtt tccagaacag gttcccagt gggacagggt cctcaaagag cttggggtaa 840  
gtcccgagct gcaaggggaa ttggatgaag atggaaagag aagccccgat gcccgaggcc 900  
  
tgctccctgg aggccgggga accttggctc cggcagctcg gagtctccac gtcccaggga 960  
tgtcgcgcct acgccgtcgc gctgagagt gggtttcggg agctcaggga ggaggtgtcc 1020  
aagcaggatga gagcctcta ggccgggacag gcagttcgac cagcacgat ctgaagacgc 1080  
ctgactctgt cccacgccc gccacctcgc tctcagcag ggtcatctcc ccagacatcg 1140  
tttccccgtg cagcagcagc cgctctccgg gtgggggaca ggtaaccagg aagggaagcg 1200  
agcctgtctg gcctcacctt agtccccgc agggagcgtg tctctcacc ctgccccctt 1260  
cataagttag ctctggtgct aagcagggat gagcgggtca ctggggcacc tgggtggggca 1320  
  
aatgggctcc cagctgtgtt actttcctcc tcgccttccc agttccccag agagccttgg 1380  
acggaagcgg tgggagcaac acaggagaaa gtctggggca gcgtcagcgg gcgccagggt 1440

cacgcccggag accaaagcca ggggccaccc ttcttggagc gcttttcccc ctttcccggg 1500  
 ttgtgtccc cgactttctc caccggagc tacccaaagc cggtccttg gtgcccttgg 1560  
 caccttggcg tgctgagcac ttctcgagga acagtctgac cccggcgcg agctccgcgg 1620  
 gatcctgggt actccacgaa gaaagattct gggcggagaa caccgccccc agcccgggag 1680  
 ggagcgcgcg gcttggcacc gcggctagag cgagccgcgc cgacgggcgg cgactgccac 1740

tcggtgcagc cgggaggcgg ccgatcctcc ctgtggaccg caggaagcg ggtatgactt 1800  
 cagtggccta ttcgccctc cccaaaactg aggacctgag ttcacagggg aaactgtccc 1860  
 cgctccacgt agcagagaaa gaagtggctc tggagtccaa cagacttggg ttactcgt 1920  
 gtgtgacctt gtgcaagtc tttatcttct ctgcacctat ttctagctg gaaaaaaaa 1980  
 aaagctgttt atccaccctc tcttgggtgt agggagtaaa tgagtttaca aagtgagtgt 2040  
 tgctgagct aaaagagatt cctaataagc ctaacagttg aatgtgagc ctttatttgt 2100  
 ttactaatgg aggtaggttc ttgatcagat tttgttttt gaagagtgtt gtgcgtttga 2160

aagcaggttt cctcagctct cctccagtcc cattcatcta ccagtggta ttgggtcct 2220  
 catgaattaa ttgaatgaat gaatgaggta tttttcata tcaggagcct tgcctaagac 2280  
 tgttgcta at gcaagcccga gaagattttt tcagtactt agactagtct gaggttcagg 2340  
 ccaagtgtac ccagcgtctc tttcacact aatcctccgt gttttagtgt agcattggca 2400  
 gctgggtggc ctagcactgg gaaggagata cagctggtat tcacggggcc aaagggttt 2460  
 cagaactacc taaacgtcca gggccagcag gtggggaact gggactggat agggagtgtc 2520  
 ctggactttc accctacagg ctactcctgc ctaaacagcc atctggactt tgacacccca 2580

actcaggcta tagattgggc aatcatcttt tctcccttct tatggctaaa agaccttga 2640  
 agagatcttg caggaacct gctgaggttt tccaagtaaa tatcctgcaa ttagcaaacc 2700  
 tgattctgcc actcaaagtc cgaaagaaaa ggtactggcc tagtttgtga catcttctgt 2760  
 tggctccttc tttcttagaa taattatgtt aaaagtaact caaacacatt ctgctcattg 2820  
 tcctgactta agctgtgaa gctggcattc cctgtgtgt ctatttgctt tttatcttt 2880  
 tcatgaatta ggattcctca caatccttgg aatcaatgac ttgttttctt gcctcaaate 2940  
 ttgtccaca gtattccagt tcatcccaa gcagcttctg ttctttgtgc ctgctgtcta 3000

agtacagtct ttaggtactc tagaccgga taaaatggc actattaaaa aagactgaaa 3060  
 catggagttt ctccccaaa acctgaatcc agttgagatc attattttgt cttttccaag 3120  
 ttgttagtat tatattgatt tcttttctt tcccaccact tctcttact ctcctcct 3180  
 ctccccag tccccctcc ctccaacggc aataattgtg ctttagaaag ctctgaaagg 3240  
 cctgctctgt ttctggccag ggcctccttt gaaaaggaga ttacagtgat taaaaataac 3300

aagttgagga tctcaaggg gcttccttia tacaggagga caattcgag gaccagcctt 3360  
tcccagatca caatttcaag ccaaacagaa gaaaatccac tgaaatattc aagaattgat 3420  
  
tgaaaataaa agaggctctt ttgtcttact ggaggtctgt ttattaggaa aataaagtca 3480  
gactctggct aatgagagtg gcttttccia gatgtatatt aaagagacat ttcaaggaac 3540  
ttgatgggaa aagaatgtcc agtagagggt tcaaaagctg gtccaacttc aagcataatt 3600  
gaggggttta tctaaactg ggaggtttgg agacctccaa agctgcatgg tttttccttt 3660  
gtccacact gagacacaca ctgaccacag ggggtggacac ctgagcctgg tggaaagcgc 3720  
acaggctttg atgttgggtg ggttggtttc aggtcctcct tggtcacata ttcactgtgt 3780  
gatctcagga agccacttca cctctctgag ccaatttctc catctgtaaa atgagggtgt 3840  
  
tttgattttt tcccagcatt cctgtgagaa ttagaaataa ttcatgtcaa aagaaattgt 3900  
cacacagtgg ttgctaaaaa aatatgttat gagatgatta ttttggaat agaaaaatac 3960  
ttagcagcaa agccctggat aagatattgt gttaagtctt tccgactcat ctcaattatt 4020  
ccttacagta ctttgaggaa gtttctgac gtactgttt tatggatgag aagactaaac 4080  
ctcagagaag tttattcctt atccatggtc acacagctaa taatcagcag aatcaggata 4140  
cagtctcagg tctgtctgac tctaaatct gtgctcttaa ccagtcctat gtgctgactc 4200  
aatgaaatta gttgggaata gaatgaaatt cactcagcta ccctcagcct tctggatggt 4260  
  
gagccttctt tcaaggaaaa cagaacaaca aatcaagata gtaactgaca tctctcagga 4320  
gaattacttt atattactac aaagtaatat aaagtataa atccttattc acatttgctg 4380  
ttttctctta ttggcttcag tgttgcatth ccccataaac tagaggatta atttagaaac 4440  
atgaagaacc ttgtcagcct ttggccaatt ccttttgttt gtggggaaac aaaaacaaat 4500  
tggataggaa aaaaaaaacc cagaaagaaa aaaaaaaaaa gaaaaaacag atttgactgt 4560  
tgttttgttt ttacatacag atgttatatg accatgcctg taaaattata tgtttggaaa 4620  
ggacatattt aggtcttaag aaatttacac aagatgaggt cttttaata aactatttcc 4680  
  
tggatgggtg agttttttaa aacttaagtg ctgctgatga tattataatt aagccacccc 4740  
tctacctct ctccctttt ttgcaccatt cctgctttt ttgttatgta actatttcta 4800  
accattactt aagtatttag ttcaaactga taataaaaat tagaaaatgc aaacatagct 4860  
aatgcttaat ggttgtggag attgtttatt gctctgagtt ttaggaaatg aaagaaataa 4920  
aaacatacaa aaaagcatat caaatggaa tttttcaagg tttaaaactt gagtactccc 4980  
ccatacacag ataagctgtt tcattacagc tgactcttcc agttgcatca agaagctata 5040

atcactgata cgtttaccac tatgggctgg tatatcagga gcttttact ctcacactgt 5100

ccatttgctt gttatacaga ctgtcacata tatataggtc aatatcaatt tctgttgga 5160

ggtaggggga ctcttaccat gttatattag tcatagtaca ggctaagctc atgttactaa 5220

cagaatccaa aacacagtgt tttaacaag aggtaatgg gagatccagc atgatgggag 5280

gctttgctcc ataaggccat ccaggaacca ggctccttct acctgttcc ctgacatctt 5340

cttgcaactct gctgtgtagt tggtaggtac ttagccgtgt gtagctatga agtacttgaa 5400

atgtggctat tctgaatgga gatgtgctgt aagtataaaa tacacaatga ctgttgaaaa 5460

tttagtatac aaagagtaaa ctcattaatt gtgtattatt acatattaaa attataattg 5520

tataaagtaa aatacactag ttaaaactaa ttttgctat tttcacttat gttaatggat 5580

acctggtaac aaaattaatt tcaccagct tgagcttatt tctactaac agcactgttt 5640

taagtgtctg ttctctcag caccgttaca gccgaggaga acctctgcac acctgtattc 5700

agtcagcatg cagtggactg gggggagagg aagtagagga cttcagtttt cttttaataa 5760

tgtgaccag aaactgcacc cagcacttct aaacacactc cgttgcaaa aattcagtca 5820

tgtggtcata cctagctgca aggaaggctg ggaatatag catttagctg gtagccaca 5880

tgccagcta aaacttgaag aatttatttt tcaaaaagat gaaacaaagt aaatttctaa 5940

ggatcatatt aacggtctct gtcacatatt ttcattgcata gtcattgtaa aacacaatat 6000

atcttacttt ctcagtgaag ggtcagctag gtgggtcaac ttgacaacat ataaactgat 6060

gttctgcta agaatacga gaggaagcca gatgcagtgg ctcacacctg taacctcaac 6120

actttgggag gctgagacag gtggattgct taaccccagg agttcaaat cagcctggac 6180

aatatggcaa aacccatctc tacaataaaa aaaaaaaaaa aaaattagct ggctgtggtg 6240

tctcatacct gtagaccag ctactcagga ggctgaggca ggaggatctc ttgagctgga 6300

gaagttgagg ctgcagtgag tgaagattgt gccagtgcac ccagcctggg cgacaaagtg 6360

agaccctgtc tcaaaagaag ggaaaaagag cagaggcagg agtgctgggg tgtgtatgtg 6420

caagcttatg ttgtggcttg tttgtctca ttctctttc tcaataaaag aggaagcagc 6480

aaagaatgaa aggaatgagg gtaaggtaaa tcaagaaaac aaaggggtgg tgtgggaaga 6540

gaaaaagaaa aatgaaaacc cactggggta tacattcaga atgaaaatga aagaaaatat 6600

ttgagtatgg cagagtccca ttaggatggg actacagggc tagatacaag aagagccatg 6660

gaaagcaaac atcacataag tcaaaattag tcctttgaaa ttatagtaa gatataaccc 6720

agataccagc ttcaacctag ccttatctaa acaccctacc ccaatatctc ctgtaagtga 6780

ggaatagaaa cgaattggca tgtatcaata agtctagccc ttctagtttc cctccagcat 6840  
 tggaagagag caatgtttcc tcagttgagt agcagataaa cccttggttt gctctgacat 6900  
 gcaagtacaa aatcttcac c atgtgatgga gtaaggagc tgagaggctc atctcatgct 6960  
 cactcaggca catgcatgca ttgaatggag tagcaagtgg cccaaatcat ttaaagcatt 7020  
 acattctctg tttttctcc tccaatagtg tgcagttgtg ttgtattttt accaaatgca 7080  
 cctctcttgg agcatctatg gtgtcaggaa gcttgctata tcacataaaa agctttttgt 7140  
 gatgcttgtc agctcctgct ggtataaaat gccccacttt tacagaatgt ttggcaggg 7200  
  
 atggagttag ggtgcagata ggacaggga aggagttaag tgagaccact agaagtcctt 7260  
 tgtgaggctt atgtagagca ggcttctacc ttctgcagaa tattcataaa tccatgaaa 7320  
 tgttcaggaa aacttaaggg acctaccac atccactgat ttctctgagg ctaggagacc 7380  
 catagaaat aactgaacc ctctctacag ttgtggttga gatatttgcc aatatgtctc 7440  
 atggactggg tgagagaaac agggagaggt tccaagaaca agtcaccatc tgtggggcag 7500  
 gagtgtgggc aggtgggcac agtcacagca gcatgaacca aatggtgatt ctaggtgcta 7560  
 caggaagctc ttttctctc ctctctctcc tctctctct tgtctctccc ccaactctg 7620  
  
 ccaacactat ccttgaatt ttcaaatac actaagctca ttctctccc agggccttca 7680  
 tccttctct tcatgcctgg gatggttgc ctcagatctt tgcatggctg actccttgc 7740  
 ttttaaggga atctcttta agaggctgct ctactacca attatgttt cccgtcactt 7800  
 tcgcctgatt ttgtttctt catagcctta aacactctct gaaattctct cgtttattgt 7860  
 ctgcctcta cagctagaat acaagcttta tgagagcaaa gactttgtct ttcttatttg 7920  
 ccattttatc ttcaattccc agaacagtgc ctgggcatag caggcattaa atcattattt 7980  
 gttgaaaaaa ataaagtatc attgaagccc caagaacctt ggtgtgagct ctctaagaga 8040  
  
 gctggatgga ggaaggggaa ggtatttctc tctcagccag agagaaaggt gagcacccaa 8100  
 gggatggcag acaggaggca aggagctcca ggtggtggca gcagagagaa aggatgccag 8160  
 tgccacaggg gcgttgcca gaggtgagg gcagatggcc tgtgtccaga gtgcagacca 8220  
 ctgggaggga agagagagca gttgcatcat ggtggaagct gaaacgtgc tgctgtggca 8280  
 tgaaaagcag agcaacagca ggcaaaaggg cagaggcaag gggctgcaa cctcagaaac 8340  
 tggctctgag aaactggctc tgagtatctg gagaagtagg cctgagggga ttattgagcc 8400  
 atcaaaccta gacatcaatt attaaagtga cattccctag aaccagcaca ttgtggagtc 8460  
  
 attttagta ctttcaaac ctagctatgc ctttgagag tgtaaaaact aaactaaaat 8520  
 ttaatttaat aaaaaactt cctgggcccc accctaaca aagctggat tccaggaatc 8580  
 ttatatctt ctttctttt tcaactttt aaaggaaaat gatgagacac aaagaaaagg 8640

tggccctttt cciatgagca tgcttcccca tcaccacctc tcctagcccc agccccagcc 8700  
 tcccacacac tttagcacct ggtcacatca ttgccctatc ctgttactat gggacacact 8760  
 catttagtga ccagtggaat atcctcaaag ccaacatgac tgcaacattt cccgcttggc 8820  
 agtaggggtga tggggagaag agaaccatga gttttcctta ggtggccaca atcacagact 8880  
  
 ggccaagctt gagccagggc tgacttgctt gtacttctct gccaccaaag tctgcctacc 8940  
 atgtaacttt cacacatctg tccaagggtc tgccttttgg aatcaaggaa aataaggctt 9000  
 cccctgggcc atatgtcagc ccttgagatg tttgtgaata aatagctgtc atggcttctc 9060  
 ttctgactaa aatgccccat ttctttaacc attctttgtg ggttgcagtt gcttgcctcc 9120  
 ttgtactttg tgccccagat gtggctctgt aggggcagga catgatagaa tgattatctc 9180  
 ctgtctctgg acatttgtgt tgtgtgaagc ttgccaggtc ttgtgtttgc tattttggca 9240  
 gctgtgccgt agtctggaat cacactgagc ttgcagccaa ctcaaattct tgcaattttc 9300  
  
 tggaaggcct gcttccctct ttaacctaga ctggtgaaaa tggctcttga acataaaatt 9360  
 tgacatggtt tatcggttaga tttaatccag catgtttgga tccatccctg tagctgtcag 9420  
 ccattcatga atctgtattt ggtccctgag tgatttatcc acataatcta attttggatt 9480  
 atgcacagtg ttgataagaa ggtcttgtaa gtctttatca atgaagtga taagaatatt 9540  
 gagcaactca gagtctagga tagagccctc tgacattcct tagagtcttt ctctaaagct 9600  
 gatatttagc taaatagttt tgaagtcaag agatctgctg tcatcccaat gacatttaca 9660  
 taccaactgc cacccccagc ataagccacc tcagtttagt tctgaatact gtttctgag 9720  
  
 cctgctggtg attctttagt tttaggcaga gtgttttctt tctttgcttc aaaattagtc 9780  
 aggactcttt ccactgcaag tgataggaac aaagtcaacc taactaaagc agaaaaggga 9840  
 atgcactgat tcccatattt gcaaagccca ggggtggtc ttgcttcagg cataaatggg 9900  
 tctagtact caaatgggtt cattccatct ctctctctct ctctgtcccc cgttccctcc 9960  
 ttcgctctat cttttgtcc ctgcttcta ccttctctgt cttgctcctt ccatcctcaa 10020  
 tctcttggct gtgttttgcc ctcatTTTTT ctactacag ataaacttcc tccaaatgac 10080  
 agggaggata gctgccagca accttcagtg aaaatctct tagctcatcc tgtgactaaa 10140  
  
 agaaaagccc ctttcttct aactacaaac tgaacatcc cagggaagat tgtgattagt 10200  
 ccagtatggg tcacatggcc agggcaatgg catggagata gactggatct ggatcacagt 10260  
 cacttttgtg acttgatatt tgaggaagga ggtgaactg tgattggaag cccagtgac 10320  
 cacagggtca gagttagggc agcagtgggg gtccccaga gcttctgccc ctcatccaca 10380  
 ttccagcta cgttctcttg gctgacacat ctctacctcc ccagaggcat ctttccatt 10440  
 attcctctg ctatccagct gttgttcagc tcaggacca ttcatctggc tctgagctgt 10500

tccacgacga ggfcacacaa tggggaaagg attaaccttt attgagctgc tgcaatgtgc 10560

ttcattgcat tatctccttg aatccctcatg acaaatccac gagatgataa ttatgatcct 10620

tatttcacag aggagactga tttattttta atatatctta ttgatttagc aaatgttttt 10680

atatacttcc tattaccaat tcattaattg tcatgatgac aacaggaggt aaatactatt 10740

aaatattact gctgttttac aggttaaggac atgtagacaa ggagagcttg agtaacttgc 10800

ccaaaattac acataataaa cagggaattt tgaaccaagt ctgttaacta cgtctgttat 10860

agaaaaatga cccttacaaa ttaagtatg catgatcttc agtttgagtg ggagaaactt 10920

catctctgcc tggggatgct gagagcactg gctgaagaag gccatccagg ggaacagcat 10980

aatccaaccc caccatctc accctctcac ttttgattc tcagtcttgc cttccagtct 11040

tccaggccat caccagcaaa tcttttcttg cctgacctgg ctaggtggcc tgaattactg 11100

tgccaaattt ttaaatagaa atatatgagt tgcagctcct cagagctctg gaagtgtgac 11160

agaatagaaa ggggagcact gtgactaact taatgtccca acagctctta taactccatg 11220

ttataagtta aagcagaagc tgacgcgcat tgtggttgag gtgtgtagca agactggggc 11280

atttcagtaa cacatagcag gtggatggca ggggctggcc ataggatgga gctgggactc 11340

agggtcttct cattgaggtt ggagttctat taataattct gaaaccaag agacagagtg 11400

cggaggaaga tggaactgga caagatccag tgagggtaat aggcatagaa gatgaatttg 11460

ggtaatagtt tattagagtt tttgttagaa ggttgacaca ccaacatttg aaagaccag 11520

aaagctattt ggtaattagg tagggttaagt gtaccaagg atggaaagaa ctctgccctg 11580

ggtcgggatt tgaggccagg ctctagtgtg aaatatcagt cttcatataa ataaggcagg 11640

cccttgttac tgatgtggct tttagggcaa agctgtaatt caataattac acaacctcca 11700

gcctgatctt cctaaacct aaatctgaat atgaaatgtc ctacgcgaag cccttcagta 11760

ctgcctcacc cccctcccc agggtgatat ccacacttct tatcaaggca ttgaaggcct 11820

ttgatcatct tccccctgct tatcttctc accaagcctt ttatcacacc cttctccca 11880

gaatgcaact tatgaaatac agaatcagtt ctggtttcca gggccaagac tggcccatca 11940

cacatttctg ctacatggga tgctgttgat tcccttgacc actggataaa ctctattct 12000

tcattcaact tacaacacag atactacctc ctcttgaag cctcttcgaa ttcaccaga 12060

tagacgcaga tgttctctc tctgcaacce cagaacacat tgttcatacc tccataaac 12120

actttacatg ttataaaaaa tatctgttgc tatatttttt cccccaggta ctagactgtg 12180

tgtctctaga gagcagacgc catgtctttt ttactctgtg tctccaggga ttagcactg 12240

agctagtgtg gaccaaattg tcagtaaaga taaaaggatg agggagggtt atgtattgct 12300  
 caaggttaacc catgggaact ttggaaaagg gaccagaata ggaatgagaa aactatgcat 12360  
 ttaagacaaa taaaaccttt ttgtttcatt cattcaacaa gtatatattg agcatttact 12420  
 atgtgtaaag tggtagctga gatgctaaag atgcagtggg gttcaagaca atttgtttct 12480  
 gcactcatgg agagtacagg ttattagggg agacaagcat ttaacaaata gtttcataaa 12540  
 cacgtatgga actgaaattg ggtgagaggt attccagaaa aggggtattg tgtggaggtg 12600  
 aaaggggcag ggaggctctc acagggcact ctgagtgtca tgggctgtag gaagccttgc 12660  
  
 ttattataa ggacttaccc aaatctctcc ataacctgaa cttgtaagaa tcgtccccaa 12720  
 agccaattct ctccattgca atccttcag tggctcttca ttggcaccta ctagagtttt 12780  
 tctttggagg ttcaatcatt gttcctgagg accagctctt tgaaacacat tgttgggtaa 12840  
 tcagcctgat gagcattatg atcttttctc ataatacaca atttcatcat aatcttcac 12900  
 cccaatatca ccatcaccac tcaccacat caccatcacc atcataaata ctaccacat 12960  
 cattatcatc atcatcctt aaaattcttg aacagtttac atgttccagg cactgggata 13020  
 aatatttatt taactctacg ttctataag aaaggcgata tcatcaacct ctttttaaaa 13080  
  
 ataaggaaat agattaagta atttaccaga gatcacataa gtggtagctc tgggattcta 13140  
 atcctaaatg ttgtctgtta atcagttccc cggatgtact cacaagatgg ctctgaatgg 13200  
 aattcctttt ttttaacct tcataagcat tttctttta tttcttggat ctcttaatag 13260  
 cctctcaggg gaggcaattg ggaggagtca ttagagagaa gattctatta tttactgcca 13320  
 agcagtcatt ttaggttatt actgggactc agaacacact gcacatttgt acctttcaga 13380  
 aggaagtgtg ataatgaggt tctctggaaa gatagagtct cctctattcc ttcaaattat 13440  
 actgtgtaac aacatcatca ccagtataa ttatggatta aaaccacaca ctgagttcag 13500  
  
 ctccagagc ctcatctca tgtgttata ttaatagggt tgtgtacaac cttagctttc 13560  
 tagaacctac aggaatgcag tattatggga agctgagttt atgattagcc ctttaagcac 13620  
 actgagcaga tgtacaaaag ttgggatatt tatcattcag aaacattgtt taggaatctt 13680  
 ttaatcaaaa tataacttac ataaggaaaa gtttacaat gatagagtgt ggtgaattat 13740  
 cacatgttga atatactcat gtaaccagca ccagatcaa gaaacagatc atgactagct 13800  
 ctccagcagc atcccttgtt ctgcttccat gttgcactcc ctccttttcc tgtacatgtt 13860  
 actactgtcc tgaccttag caccatgaat tactttgcct gttttgagc tttatgtaaa 13920  
  
 tataataaaa tgtaatcata ccatttgtat tctcttgtgc ctgtcttctg tcacttgaga 13980  
 ttacgtttgt gagatttacc catgttgcat gtggcagtat gtgttcattt tctgcctgt 14040  
 gaggcatttg gttatatgaa tatgccacaa ttatatatac tattctaggg ctgaagggca 14100

tttagagtatt tccacttggga tgctactaca aataatgtta ctactaatat tcttataggt 14160  
 atctttgggtg cacatatata tgcatttctg ttgatttaag atggatttgc tgggtgatag 14220  
 ggtaagagta tgttcagctt cagtaaacac tgccaaagaa tttagcagca aaattgctaa 14280  
 ttttcacttc tatcaacagt gtgtgaaagt tctagttaac atcactggat attgttaatt 14340  
  
 cttttaaatt tagccaaact gttagatacg cagtactatt tcattgtaga ttttaatttt 14400  
 atttccctat tgactactga gggttagagac ctttgcatat gtttattggc cattgggcac 14460  
 cttcttttgt gaagtattag tttgtgcatt tgcctttctt attttcttc tgttgagttg 14520  
 tctgtctttt tcttattgat ctgaaatagt tctttatgta ttttagataa aagtcagttt 14580  
 ctggttatat gggtgcaaat atcttctttg aactgtgac ttgcttcttc actcttaatg 14640  
 gtatcttttg atgagcaaaa gtttgataac acccattta tatacttctt cttttattgt 14700  
 tagtgctttt ttatgctcta tgtaagaaat cttgtttact ccaaggcat tgcatttta 14760  
  
 tttcatgctg ccttcttaaa attttgtttt gcttttcaca tttagctgta caatctatgt 14820  
 ggaatttact ctgtgtatga tgtgagttaa gggccaagat ttacctttt ctgcatggc 14880  
 attcagttgt cctagcacca cttactgaaa agattatctt ttctccattg ctctgatgta 14940  
 ttaggttgggt gtgaaagtaa ttgtggtttt tgccatggca aaaccattaa tggccaaaac 15000  
 tgcaattact tttgcaccaa cctaatacat cttttgtcat aaaccaagct tctgtatatt 15060  
 tgtggaactt tcttgaccce taagctgac aactggccca ttttcttac cttgctatag 15120  
 tccactggct tagtttctgt agctgtgtaa gtcttgatat ctgggagtat aagcccttca 15180  
  
 attttgcact tctttcatta agattgtctt ggacaatctt ggccctttgc atttccatat 15240  
 aaattttaga accagcttgt caatcacaca aagagcatat tgggatttta atttagattg 15300  
 atgaaaccta tagatcaatt tgaggataat tgacatcttt agcaatactg agccaaccag 15360  
 tctaggaaca ctcaagtaaa tttaatagca cgtcaactcc gcaactggtca ctgtgctgag 15420  
 cttagatggg ttcttacct tgaacgtctt acaaatgtgt aaagaaacac ataaacacaa 15480  
 aatataatct aattcgatac tcttatact gataataatg agttcatatt tactaaggac 15540  
 tttacacata ttacttcatt tatagcttgc actgatactt tgaggtaagt gctgttacta 15600  
  
 tgcctattat gtaggtattt ttaatttcag tagggtccaa gagaaaaggc atgcaggtct 15660  
 ttatggggaa atcagaggaa acatcacaca aacggtggag atttggtga cttttgaagt 15720  
 ttgcagaatg gaggagcttg accattccaa gttatatgag tagctcatga aaaaatacaa 15780  
 caggcgaca tgacatggat tttcaggaaa cttctagaga gtgaatcaa ggattgaaat 15840  
 gtagtatggc aggggaatgg gagcatggtt agtgaagctg gagaggcaga gcctgagggc 15900  
 ttcttggctc gcggagtgtg agctttgtcc taaaggcagt ggctgtggag cagggtattat 15960

ctgtcttggc tggggttccc cggaggctga ttgtattcat ttcttaggac tgctgtacaa 16020

attactataa attgttggct tgaacaaca taaatttatt ctctcatatt tctggaggct 16080

agacatctga aatcaaggta tccgacgggtg ttttcttctg gagggctctg agagaaagt 16140

ggttccatgc ctctcgctg gcttctgggtg gttgtcaaca ggccttagct ttctgcggct 16200

tgtaaatgca tggtctaat atctgcctct gtcattctgt ggcatctctt cctgtgtgtc 16260

tctgtgtctt ttcttatagg gacataagt gtatgggatt tagggccac ctgaatccag 16320

cattacctca tcttaacaaa ctgcatctgc aaagacccta tttccaaatg agttcacatt 16380

cccaagtatg gattagaact tcaacatata ttaaaccgta acacaagcct cagatgagga 16440

ttcagatgaa agtgattctt ttaaggaaat gctcccagg gaaactagta agagagtagg 16500

ggaagcagga cagcaactgg gaaggtgtcc tgccagcctg tgatcccagg catggtcct 16560

tcaggtagtt tcagtcagat cctgcggggc cattttggag tgtaaagtgc ctctaagaat 16620

gttcctcacc tgatgcaagg cagctggacc ttcatctta ggcagagtag gctccagtaa 16680

cctgaggacc agggacacaa gagccacagg ggctggccac gggaagcaga aatatattag 16740

tgccagggtc acattaaaa gtaaaaaggt attgaagaa atctggatga agtatcctta 16800

gtgtttgtta ctttgtctc tgttccctt cctccagaat tgtgtataat ggccttgaag 16860

accacccacc ctaccctag agagtctaag actgctttt ggctgtctgt ctgtccttca 16920

gagattccca gcctgtccc ctgacagcat aaccaccatt tttttgctt gacactgaac 16980

actacacttt tcttactctt ctttgcctta ttgtgctttt tttccctca ttccttcttt 17040

tttttttga cagagtcacg ctctgttgc caggctacag tgcagtgggt caatctcggc 17100

tcactgcaac ctctgcctcc tgggttccag caattctct gcctcagcct cgtgagtagc 17160

tgggattaca ggcatgtgcc accatgtccg gctaattttt tgtattttta gtagagatgg 17220

ggtttcacca tgttggccag gctggtcttg aacctggcc tcaagtgat caccacctc 17280

ggcctcccag agtgctggga ttacaggcat gagctgccgc gcctagcccc ttctttcttt 17340

ttttctatct gatcttttac agacatcagt agctccttta ctttgtggg ataaccggcc 17400

aatcacagca tgcatttac cttctttatg tcttagagtt ctttgcctgt tcattctgtt 17460

ggtggctcaa gagcagccac tacattatcc aagacagtgg ttttatttgt tggagtitta 17520

gggtacttct ttttattatt attattatat ttttaagttt agggatcatg tgcacaacgt 17580

gcaggtttgt tacatgtgta tacattaggg cacttcattt tcaagactaa aactagttaa 17640

aggaatttgg aagactaaat gccctcttt aacaggaggc tgcatatcat actcacaat 17700

attatatgtc aaatgaattg atttttttaa gtttaaaaac ttaataatca gtcaatattt 17760  
 gtggaagatc tataacatga tgaatataat cggttttgtga agccttggat atagtgttaa 17820  
 actggggagt gggccttcaa atctgaccct aagtgtccca ctggatgatt ttatgatctt 17880  
 aggtgtgtct gttgaccttt ctatgtttta ctttcctatc cgtgaaattg gagagctgaa 17940  
 ttagaagata cttgagatcc cttgaaggtc taatagtctg taactccata tctaattgcc 18000  
 aggatcttag cacttttatg caggcagtaa agtaatttaa atctcaattt acatcaattt 18060  
 aaagaaactt gaattgaaca tctattagat gccaggctct gtgctagggt ctggggataa 18120

aaagagaatg aaaaccagc cctctcctg tattagcaca gcccagtgga gaaggcaaat 18180  
 caacaaagaa ttgcaattca gttcaaaaaa atactgcaat aaaagatttc catctcagga 18240  
 gactgggggt ccaatgggat ggaggacat gattgccatg ttgagaagat ctttgagcta 18300  
 gatttttttt gttgcttttg tttttgtttt ttgagatgga gtctcactct gtcactcagg 18360  
 ctggagtgc atggcacaat cgcggcttac tgcaagctcc acctcccggg ttcacacat 18420  
 tctcctgtct cagcctccca agtagctggg actacaggtg cctaccacca cgcctggcta 18480  
 attgtttgta tttttagtag agacgggggt tcaccgtgtt agccaggatg gtctcgaact 18540

cttgaccttg tgatccgccc acctcggcct cctaaagtgc tgggattaca ggcgtgagcc 18600  
 accgtgcccg gccgagctag attttaacgg aaaaatcggt tcctgggtag atgtaggaat 18660  
 gaagagtata acagacttat aattccagct gctgtaacag gtggccctcc acaacataag 18720  
 tttatttcca gctcatgcga agtacagtat ggatgtttct ggtcagtagg tgattttccg 18780  
 tggggttgtt taaaatcccc agtttccttc cctcttgttg ttccacggcc ctgctcctgg 18840  
 gacatcagag tcttctgtg gacctgcat taagcaggca aaggcaagag agtgagagtg 18900  
 cagggtcatg tggaagctt gtacaggta ggcttggaag tagagtatag cagtactccc 18960

ttatccgagg ttttgccttc tgtggtttca gttacctgca gtaaaactgt gtccaaaact 19020  
 atcaattgga aaattccaaa aataaacaat tcataagttt taaattgcat gctgttttga 19080  
 gtattgttat gattgtgtct tattagtatt tgttgatttc ctactgtgcc taatttataa 19140  
 attaaacttt atcatatgta tgtatgtatg tatgtatgta tgtatgtaaa ggaaaacat 19200  
 agtaagcata gggtttggt ctatccatga ttccaggcat ccatttgggg tcttgcatg 19260  
 tgtcttgccc ttatctgcag ggggtactg tatatcatgt ctgtccatga cttccactgg 19320  
 cagaacttgg ttataaagct gacttaactg caaaggaggc tgggaaatgc agttagctg 19380

tttcacaag aaaaatgaaa tatgttttga agaacacaca gcagcctctg ccacaaaggt 19440  
 catcctacag gattttgtgc tgtgaaggac tagttttctc ttgggccagt ctaatggaag 19500  
 tgtaattgta gacaattgtg aagattgag tttcgaccag ggactatctt tatcaattg 19560

tggttattgg gagagagctc accacacccc tggttgggtc aagaatcccc aagtaagata 19620  
 gcagctcaga tattaacag gttctgaaat gtaagaggga gctgggtgaa gagggtaaga 19680  
 gttctcacct caatggatga aggcctcaac actgtccacg gcctctgtaa ctcacaggtc 19740  
 tgggatatcg atggagaact caggctctatc ccatttgaca aatggacaat aattgattct 19800  
  
 tataacttaaa acctgctttt ttctctctct gcagtaacac tttcagctgc tcctccctcc 19860  
 tacttcagag gattcacatt aattgccctc agagagaaca gagagggtga taaggaagaa 19920  
 gaccatgctg ggaccttcca ggtaagaccg tgcttgggct tattcagtgg cctccctgc 19980  
 cctaggaggt agaggctgga gaggtacaag tgtctcaggt ggcttcccat gcagtcctt 20040  
 gaccgttggc caacgggggc aggtccattt gaaagggtca tcatggagca agcagcaaat 20100  
 gccgcacacc tatctgagca aggttggcca tggggcaggc cttgttttgt ctcagcagat 20160  
 cacggggctc ttctctgggc ccacagtgtc cttcagcagc caagcgtggg gagagcactt 20220  
  
 ggagccctgg ctaggcctgg ctgttttgcc tgcacaggca tttcgtgatt gactggttaa 20280  
 ttctcaaatg taaacggaac aagagctcgg gaccgccagg ctggaggagg ttcaaagcac 20340  
 aggagaagga ctattaaggg aatgtagaga ttgatttatg aggggaagatt aaaagaatta 20400  
 aacatgcttt tcttggccaa atgaacaggg ccgagttaa gaggttgtaa tggcttttaa 20460  
 atgtcagtc tcacagaaca acctcctcaa ggggaagctt catttgactt tgcataaag 20520  
 ggcacactaa gacaaaagtg ggtcaagaaa agaaaggga tgcacagac aaggaccccg 20580  
 acagtgagtc atatttctact gtggaatatt cttccaaggg aagtggtagg aacgtcatcc 20640  
  
 ctttcagag gtttagaaaa gagccggcaa gttgtcagaa cacatcccag aaggactgga 20700  
 gtgatcctag gaggaggcct ggccaaattt gctgtaatta cttctcatct cagatttcca 20760  
 ttgttctgga attcattttt atctggcatt tgcaaattaa gaagaaaaaa actcagagaa 20820  
 tacttatacc catagctggc tgctggagac tctggtgcaa tctgtgggct ccgtggagga 20880  
 ccctgaccca aatacctccc ttatccaaag gcatctttta atccttgtgg ccaggttgta 20940  
 atttttaatc ctgtgattta aattattttt ctgctctctg ggattctagg ttttgggcct 21000  
 ggtgagactt aattccacgc tcaccgtaat gtccttctat ggcaaagaac ctcttggcat 21060  
  
 glatctgaaa gggtagacca ataataatac tagcaacagc caatatttgt tgggtacata 21120  
 ccatagccga gacactatgc taagtgtttt actttatctt agtttatcct gtctttgttt 21180  
 agtttatctt tgtttaattc tcaaaacaac cctagtatgt aggaactatt atccccattt 21240  
 ttggaccagg aaattgaaac tagagagatt aaatcacttg cctaagcttg cttattgctt 21300  
 gttttagtc attttgtgtt tctctaacaa aacacctgac actagataat gtataaaca 21360  
 tagaagttta tttcacttac ttgacatgag actgggaagt ctcatatcaa ggtacctgca 21420

tcttatgagg gccttcttgc tgcattatcc catggggaaa ggcagaaggg taagagaagg 21480  
  
 tgagagcaag aggggtccaa actcaccttt ataacaaatc cactctcaag ataactaatc 21540  
 cactcccacg acaaccacaa tccattcaca aaggtagagc catcacgact tcatcacctc 21600  
 ttattaggcc ctacctctca acactgttgc attggggatt aagtttcaa cacataaact 21660  
 ttgggggaca cattcaaacc atagcagcac tgttctggct aaattcagta agttgatagt 21720  
 ctctctgac tcacagtgtg ttctgcttag cttaatcctt gttcttgcaa ctgattggtg 21780  
 aatacagggc ccgtctcata gtgggcagcg cataaatatt tgctgaatga gtggataaac 21840  
 atttgactct ttctgctagt gtccagacct cagtcctatt tggaactgtt gttgaactcc 21900  
  
 tatctctgta tgcatectcc cttcttccct ctcttagagc ttcagacatc ctctcttgtt 21960  
 acacagcagt ggttctcaga atgcagtctc aggaccagca gcatcagcaa cacctgggaa 22020  
 ctgtttagaa atgcaaaatc tcaagcccat ccagacttac tgaatcagaa actctgaggg 22080  
 cagggccctc acaacctgtg ttttaacaag cttcaggggt gaatctgatg catgctcaga 22140  
 tttgggacct attattctaa tgagacatag accagccctc taacaggatg tcgtccatca 22200  
 tcacgtcaac acatctgtct gttctatctt attctctcat tgtttccacc agccctagag 22260  
 ggatcaaagt gggataagaa tatgaaaatg cctagcatat gataacgaca atagctaaca 22320  
  
 cttaaacagt gcttgtgtgc cagatactgt tctgagtggg ttatatttgt taactgagtt 22380  
 tatcttcaga gtgacatgat gaggtaagca ttattatcct attttccaca gaagagaaac 22440  
 ttgtggcaaa gaacaactaa gtaactttcc taagatgccc agctctaagt gataaagctg 22500  
 gggttcaaac ccgggcagtc tgtctctggg tacctgcctg tgaccactgt gtatgccatc 22560  
 tctcagtgtg tacctgttaa atgaaaaaat aagggcccac tatgactttt atgacagtct 22620  
 ctgtgccagg tgctttatat gcatagcctt tttctttttt ccccttaatt ctgttagcaa 22680  
 ccttgtgtgg tcagtattgt tatcttcatt ttccagatga tgaaactgag tccccaagga 22740  
  
 gttcactaag ttgactaaga cagtccagca tctcaagggt ccaaactg tgccagtttc 22800  
 ttattttctc aaagttaatc cctcaccctt gcctgcctt acccttgtgc catcaaatg 22860  
 cacactccgc ttgggttcca attgtctcag agatttgggg gaaggaatca tagcccatgc 22920  
 ccctcatctt acttcacctg ctctgtgat atgtggcccc catgctgtcc cttccaaatc 22980  
 tatcatgaaa gtattttttc tctgtaccaa agctgttate tttggagtcc ttgatttatt 23040  
 cagcagcatt tgttagtgc ctgctgggtg ctaggcactg agttaaggcat tggggatagg 23100  
 gtggtgagaa aaacagagat agtcctcatg aagcctaagg agtcctcctt gtcacatcc 23160

cataaaactga ccctctgttg tgaaagtcaa caagtcaccc attgaaacat aagccaacaa 23220  
tcagaaagaa caaatgccat tgtaattaaa tatatatata tagtgattta acaaatagat 23280  
aaagacttct gttaaacc ttcacttcaa atatgatgac tttgagggt taacaacaac 23340  
cacaaaattc taatactcat tcatigatac ataatatita acatatttgt tggatacgta 23400  
tgataattgt atatataag aatgtgtaat gatcaagtca aatatattcag gtatcccgtc 23460  
actttgaata tttatcattt ctatgtgtta ggaacaattc aaatactctc ttcttgctac 23520  
tttgaatac acaatacatt gttgttaact atagtcactc tgaatattct ttttttttt 23580

tttaagtctt ggggtacgtg tgcagttttg ctacataggt atacatgtgc catggtggtt 23640  
tgctgcactc ataaaccgt cactacatt agatatttct cctaattgta tctctccct 23700  
agccccgcac cccccgacag accctggat gtgatgttcc cctccctatg tccacgtgtt 23760  
ctcattgttc aactccact tatgagtgtg aacatgcggt gtttggtttt ctgttcttgt 23820  
gatagtttgc tgagaatgat ggtttccagc ttcattcatg tccctgcaa ggacatgaac 23880  
tcatcctttt ttatggctgc atagtattcc atggtgtata tgtgccacat tttctttatc 23940  
cagtctatta ttgatggaca tttgggttgg ttccaacttt ttgctattgt gaatagtgcc 24000

acagtaaata tatgtgtgta tgtgtcctta tagtataatg atttataatc ctttgatgt 24060  
ataccagta atgggatcgc tgggtcaa atggtatttcta gatctagatc tttgaggaat 24120  
cactacactg tcttcacaa tgggtgaact aatttact cccaccaaca gtgtaaaagc 24180  
gttctattt ctctacatcc tctccagcat ctgttgttcc ctgacttttt aatgatcacc 24240  
attctaactg gcgtgagatg gtatctcatt gtggttttga tttgccttcc tctaataacc 24300  
agtgatgata agcatttttt tcatatgtct gttggctgca taaatgtctt cttttgagaa 24360  
gtgtctgtta ataccctttg cccacttttt gtttgttttt ttcctgtaaa cttaagtctt 24420

ttgtagattc tggatataag ccttttgtca gatggataga gtgcaaaaat tttctcccat 24480  
tctgtaggtt gcctgttcac tctgatggtt gtttcttttg ctgtgcagaa gctctttagt 24540  
ttaattagat cccatttgc aattttggct tttgttacct ttgcttttgt gtttttagaca 24600  
tgaagtcttt gccatgctt atgtcctgaa tggatattgt caggttttct tctaggattt 24660  
tcatggctct aggtcttaca tttaagtttc tgatccacct tgagctgatt tttgtataag 24720  
gtgtaaggaa gaggtccagt ttcagttttc tgcataaggc tagccatttt tccaacaac 24780  
atttattaaa taagcaatgg ggaaaagatt ccctatttgt gtcaggtttg tcaaagatca 24840

gatggttgta gttgtgtgtt attatttctg aaggctctgt tctgttccat tggcttatat 24900  
atctgttttg gtaccagat catgctgttt tggttactgt agcctttag tagtatttga 24960  
agtcaggtag catgatgcct ccagctttgt tttcttggc taggattgtc ttggctattg 25020

cgggctcttt ttiggtccca tatgaagttt aaagtagttt tttccaattc tgtgagcaaa 25080  
 gtcagtggta gcttgatggg gatagcattg aatctataaa ttactttggg cagtatggcc 25140  
 attttcatga tattgattct tcctatccat gagcatggaa tgtttttcca tttgtttgtg 25200  
 tcctctcttt tgccttgag cagtggtttg tagttctcct tgaagaggtc cttcacatcc 25260  
  
 cttttaagtt gtattcctag gtattttatt ctcttactag taattgtgaa tgggagttca 25320  
 ctcatgattt ggctctctgt ttgtctgtta ttggcgtata ggaatgcttg tgatttttgc 25380  
 acattgattt tgiatcctga gactttgctg aagtgtgcta tcagcttaag gagattttgg 25440  
 gctgagtggg tttctaagta tacaatcatg tcactacaaa atagagacaa ttgacttcc 25500  
 tctcttccca ttigaatacc ctttatttct ttctcttgtc tgattgccct ggctagaact 25560  
 tccaacacta tgitgaatag gagtggagag agaaagcatc cttgtcctgt gccggttttc 25620  
 aaaggaatg cttccagttt ttgccattc agtatgatat tggctgtggg ttgtcataa 25680  
  
 atagctctta ttattttgag atatgttcca ttaataccta gtttattgag agtttttagc 25740  
 atgaaggggt gttgaatttt attgaaggcc ttttctgtat ctattgagat aatcttgtgt 25800  
 tttttgtcat tggttctgtt tatgtgatgg attacgttta ttgatttgca tatgttgaac 25860  
 cagccttgca tcccagggat gaagctgact tgatcgtggg ggataagctt tttgatgtgc 25920  
 tgctggattt ggtttaccag tattttattg aggattttca tatcgatgtt catcagagat 25980  
 attggcctga aattttcttt ttttgttctg tctctgtgag gttttggtat caggatgatg 26040  
 ctggcctcat aaaaatgaatt agggaggatt ccttcttttt ctattgttgg gaataatttc 26100  
  
 agaaggaatg gtaccagctc ctctttgtac ctctggtaga attcagctgt gaatccgtct 26160  
 ggtcctgaac attttttggg tgataggcta ttaattactg cttcaacttc agaacttgtt 26220  
 attggtttat tcagggttc agcttcttca tggtttcgac ttgggagggt ttatgtgtcc 26280  
 aggaatttat ccatttcttc tagattttct agcttatttg catagagggt tttatagtgt 26340  
 tctctgatgg tagtttgtat ttctgtggga tcagtagtga tatccctat atcatttttt 26400  
 attgcatcta ttgattctac tctcttttct ttattagtct ggctagcagt ctatctattt 26460  
 tgttgatctt ttcaaaaaaa cagctcctgg attcattgat tttttgaag ggtttttcat 26520  
  
 gctctatct ccttcagttc tgccttgatc ttagttattt cttgtcttct gctagctttt 26580  
 gaatttgtt gctgttgctt ctctagtctt ttcatatttg atgttagggt gtcaatttta 26640  
 gatctttcct gctttctctt gtgggcattt agtgcataaa atttccctct atacactgct 26700  
 ttaaagtgtt ccagtgatt ctggtatgtt gtgtcttctg tctcattggt ttcaaagaac 26760  
 atctttattt ctgccttcat ttctttattt acccagtagt cattcaggag cacgttgttc 26820  
 agtttccatg tagtttgca gttttgagt agtttctaa ttgtgagttc tagtttgatt 26880

gcactgtggt ctgagagaca gtttgctatg atttctatta ttttgcatth gctgaggagt 26940

gttttacttc caattatatg gtcaatttta gagtaagtgt gatgagggtc tgagaagaat 27000

gtatatcttg ttgatttggg gtggagactt ctgtagatgt ctgttaggtc tgcttgggtc 27060

agagctgagt tcaagtcctg aataccttg ttaattttct atctcattga tctgtctaatt 27120

attggcagtg ggggtgttaa gtctcccgct attactgtgt gggagtctaa gtctctttgt 27180

ggtctctaag aacttgcttt atgaatctga gtgctcctgt attgggtgca catatattha 27240

ggatagttag ctcttcttgc tgcattgatc cctttaccat tctglaatgc ccttctttgt 27300

ctcttttgat ctttgttggg ttaaagtctg ttttatcaga gattaggatt gcaactcctg 27360

cttttttttt tttttttttt tttttttttt tttttgcttt ccatttgctt ggtaaattatt 27420

cctccatccc tttattttga gcctatgtgt gtctttgcat gtttagatggg tctcctgaat 27480

acagcacact gatgggtctt gaccattttat ccaatttgct agtctgtgtc ttttaattgg 27540

ggcatttagc ccattttacat ttaagtttaa tattattatg tgtcaatttg atcctgtcat 27600

tatgatgcta gctggttgtt tttcccgta gtgatgcag tttcttcata gtgtcgatat 27660

tctttaccat ttggcatatt ttgctgggtg ctgataccag ttgttctttt ccattgtttag 27720

tgcttctttc aggagctctt gtaaggcatg cctgttgggtg acaaaatctc tcagcatttg 27780

cttgtctgta aaggatttta tttctccttc acttatgaag cttagtgttg ctggatatga 27840

aattctgggt tgaaaattct tttctttaag aatgttaaat attggccccc actctcttct 27900

ggcttatagg gtttctgcag agagatctgc tattagtctg atgggcttcc ctttgtgggt 27960

aacatgacct ttctctctgg ctgcccttaa catTTTTTcc ttcatTTTaa ccttggtgaa 28020

tctgacaatt aatgtgtctt ggggttgctc ttctcgagga gtatctttgt ggtgttctct 28080

gtatttctg aatttgaatg ttggcctgtc ttgctagggt ggagaagttc tcctggataa 28140

tatctgaaa agtgttttcc aacttggttc cattctcccc gtcactttca ggtacacca 28200

tcaaacatag atttggcttt ttacatagc cccatatctc ttggaggctt tgtttgttcc 28260

tttttattct tttttctct aatcttgctt gctctcttta tttcattaag ttgatcttta 28320

atcacggata tcctttcttc cacttgatca atttggctat tgaaacttgt gaatgcttca 28380

ggaagtctc gtactgtatt ttccagctcc atcaggctcat ttatgttctt ctctacactg 28440

gttattctag tcagcaattc atctaactt tttcaagggt tcttagcttc ctgtcatttg 28500

gttagaacat gctccttag ctgagaggag ttgtttatta cccgccttct gaagcctact 28560

tctgtcaatt catcaaactt attctctgtc cagttttgtt ccttgcctgg tgaggagtgt 28620

cgatcctttg taggataagc ggcatttctga tttttggaat tttcaaactt tttttgctgg 28680  
cttatccaca tctttatgga tttatctacc tttggtcttt gatgttggtg accttctgat 28740  
ggggtctttg agtggacgtg ctattccttt ctgtttgtta gttttccttc tgacagccag 28800  
gccccgtgtc tgccagtcctg ctggagtttg ctggaggtcc actcctgacc ctgtttgcct 28860  
gggtatcacc agtggagact gcagaacaca aagattgttg cctgatcttt cctctggaag 28920  
cttcaccta gaggggcacc tgccagatgc cagccagagc tctcctgtat gagatgtctg 28980  
ttggttccta ctgggaggtg tctccagtc agaatacacg ggggtcaggg acccacttga 29040

ggaggcagtc tgacccttag cagaacttga atgctgtgct gggaggtcca ctgctctctt 29100  
cagagccatc aggcagggcc ttttaagtct gctgaagctg caaccatagc taccctttc 29160  
cccaggtgct ctgtcccagg aagatgggtt tttatctat aagtccctga ctggggctgc 29220  
tgctttttt tcagagatgt cctgccaga gaagagaaat ctggcagtcg gccacagca 29280  
gccttgctca gctgcagtg gccccacca gtttgaactt ccagtggtt ttgtttacac 29340  
tgtgaccata aaactgtcta ctcaagctc aggaatggcg gacgcccctt cctccacaa 29400  
gctcgagcgt ccaggtcca tctcagactg ctgctgtgct ggcagcgaga atttcaagcc 29460

agtggatctt agtttgctgg gctccgtggg ggtgggacct gccgagccag accacttggc 29520  
tccctggctt cagcaccctt tccggggggg tgaacggttc tgtctcgtg ctgttccagg 29580  
caccaccggg gtatggaaga aaagaactcc tgcagctagt tcagtatctg cccaaatggc 29640  
caccgggtt ttgtcttgaa acccagggcc ctggttgggt aggcaccaga ggaagtctcc 29700  
tggtttgtgg gttgtgaaaa ccgtgggaca agtgcagtat ctgtgccgga gtctctcagg 29760  
ctcagtcctt catggctccc ctgtgtagg ggagaaaatt ccctgacccc ttgctcttcc 29820  
tgggtgaggt gacgtccat cctgctttgg ctgctctct gtgggctgca cccactgtcc 29880

aaccagtccc aatgagatga accaggtacc tcagttggaa atgcagaaat cacctgcttt 29940  
ctgtatcaat ctactggga gctgtagacc agagctgttc ctattcagcc atcttgccag 30000  
cctcccetaa atattcttta aatttggta aagattgcat ttgtggctct aaaagtact 30060  
ttgagagagg gttactttgc ttctttatga gtgaatcctt atacagagaa cacagactca 30120  
caaaatacaa acacaacaaa agcaaatatt aatgctgtct ttgcacctcc ctgacttag 30180  
tggcgaggga atgggcttcc tagtaccagg gaaagtaaga attacagtc tcacctctcc 30240  
aaagaaggcc gaggagaagg ggggtgggct acctgctctg gcccacacag cgggttccag 30300

cacaacagca ttggcacaca ctagatgtca gaaaacacag agcctctctt tgatgagata 30360  
gtgatttcgg tgaaagtggc aaggaactca gggactcaat tgctgtaca aaagtaacce 30420  
accaatcctt aaaaattata ttacaaaaa ctgctccctg gaatgctgtg gccagccag 30480

ctgccagct cactctcttg tctccttcag gtctctgac agcggtccct ttccaggag 30540  
 ccctgcctg atcgctttat caggcacttc attcctctc ccaccctgag cgaggctctt 30600  
 tctctctctc cccaacttag tgtttttcca ttgcagttat tgccacctgc catgctattt 30660  
 tacttattaa ctigtgtgct atctgtcacc ttccactgaa ctataagatc tacagggcag 30720  
  
 gattttaatc tatctccctt cagagtatcc ctggcagcaa ctatgaacag gacagagcag 30780  
 gcacatgaat atttagggac agaattttta gcacagcatt tgactaaaa ttaagctgc 30840  
 taatttataa tactattcat tgccitgttt tatttttaat ttaagtcctt caggcatcaa 30900  
 ctagtttagg taacactctg ccaatcaaag gaaaaaagtc tcaaaacaaa aggatatttg 30960  
 tctgagaaga gcagatcaat accatgcaag caagtatctt ttaatagtct tttatattca 31020  
 taatcacctg tttttaact atttttgtga tctctacatt aacaataat atttagtggc 31080  
 atttaatggg ttctgagcca cgttagaacc taaaagggt tttgacacac ttttctaaaa 31140  
  
 ataaaatgct attgcaagct tgttctcagg aattctcttt gagttcatag gaaaacctgc 31200  
 tctcattaca ctaacctaa cttaatcagt ccccttataa gatgttagga tttttaaaac 31260  
 tgccattcac tattataaat aatggagtag aaacagtttc ttgcataaaa ctttttctca 31320  
 tttggatttg ttactagga caggttctta gaagtataat cacaatgca aaggatatgg 31380  
 acatttttta tggttcta atgtattgcc aagatgatcc cccatccca cacacacaca 31440  
 cacaaaacct gcactcaaca aaatggaata tgggcattcc atcatggaag tcatggccac 31500  
 tgatgtgaag ggaaacagac atatgagatc aggactggga atcacaagat ttgagcaggt 31560  
  
 taaatcgata gatcaaattt agcaagatga aagctaattg aggaagagag aaacacagaa 31620  
 aaccacctac ttgatccaa ataaccaatt gcacgagtac aagatgagag atttggattt 31680  
 atggcagcac atgaaacaaa caacaataac aagaaaaata ctctagaact ttcagttgcc 31740  
 attaagtaag ttaagaatga atcatccatg agataggacc acagaaaact catgaggtct 31800  
 taggatgtat cataggagca tagtggccag aacacaggat tttgattttc ttatgagatt 31860  
 cttatgccat tctgagagag cccacaatat tccctttctt tctctatata gtataacttt 31920  
 cagtgaatga atattgaaat ataaaatata cagtgttttc tttctttcat tcatttgttc 31980  
  
 attcaagtat ttccatatca ttcatagtac ccagttcttt ttcttcagag tagttattga 32040  
 aatttataat tattttagg attatttgtt taatattact ctgttctacc aaactgtagg 32100  
 gcaaaatcat gtctatttaa ttactgttg tatttctaac cactagcact gtgagtgtta 32160  
 catagtggac actcagtaaa tatagtaagt atttgctgac atgaattaat gaatgcacta 32220  
 atgaccagct atgcaaatg caacatacta ggctctgtga tatggagatg aataaataag 32280  
 acatggtatg ttagtctgtt ttacactgc tataaagata ctacctgaga ctgggtagtt 32340

tataaacaac gaggtttaat tgactcacag ttctgcatag ctggggaggc ctcaggaaac 32400

ttacaatcat ggtagaaggc aaagggggag cagtcacctt cttcataagg tggctggaga 32460

gagagagcaa gacaacaaag tgccacactt taaaaccatc agctctctgt agacctgact 32520

cacttatcac gagaacagca tggagaaaac cgccccatg atccaatcac ctcccaccag 32580

gtccctcccc tacacatggg gattaaaatt tgagatgaga tttgggtagg gacacagagc 32640

caaaccatat catggccctt ggtattagga ggtcaaagtc tacagaagaa cttcccagtt 32700

cagtatttta tgiacactgg tggatcacag ataggttgaa ggagaacca gatgtgtatt 32760

tccctagata ttaggtggc ctctctgtt taccctaggg aaatattacc attttctata 32820

tgtgacatgg agtcaagaga cctgttagaa agaaccatat tgcagcctgc tagatgctaa 32880

aattgctgca tctgtgcaa taagaaaaca atcatttgca gaaagtgggt agtgagtgt 32940

gatttgggag cacagaaagg acatttacag agacaataac ctttgagcta tctcttagag 33000

tctgtgaaat ttcaactgga caaggagtga agagtgtgtg tgaagaccac tctatttttg 33060

cctcacacct ctattttaaa atttgccata ttttaagtgt ttactatac ttccttaaca 33120

agcacctaga gctcacaaag ggcctagtaa aagttttttt ttttaataa gaaatgaacc 33180

aggggataaa tgacattctg tcccttcccc ttccttgag gagtcactt ggtgtaaaat 33240

gcctctgcag agctataatg cacaacaac acattttaaa agcgtgtgca acacctcttg 33300

cttaacactt agttttcttg cttaaaattg ccgtgtgaaa agtcatttgt aagaagcaca 33360

agaagcaatg tgcactgta gtgcctggaa tggacattgg gtcctcacac ttctgcagcc 33420

ctggtctcta gtgcctgtg ccagaaaaga tgaataatca ttttcttcc cagcaagaaa 33480

gcctgagtct gggaaccaga ggtattatga agacttaagc atcactctc tcaacagagc 33540

acacttgtgt tttgtgtat aaaatacaga aaaggataaa tacagagaaa gataaaaaag 33600

aaataaaaat atgtcatttt ataactaga gataatcatt aacatttggg tatatttctt 33660

tccaggttat atattatata gaaaacacac ctatgtgtgt atatatatat atacacacac 33720

acctatatat ataatttttg aacagaatat tgggaaccatt ctctatatag ggttttatat 33780

cctgttttat ttttatggga acattatatt gtgaacatat ttcaatgaaa ttaaatgttc 33840

cacatgattt ttaatggctt tgtaatactc catcactg ttgaattata atttattcga 33900

agattcctct attattggca agataggtgg ttctaatttt cttttcttta cttttatata 33960

aaacactgca gtgaacaccg taacacataa atctttgcac ctgtatttgc ttatgataaa 34020

agcaaagttt tatgcatctg tatttgctta tgataaatga aattataggg tcaaagtaaa 34080

gtttctctct ctgtacatac tcacatgtat gtaggcacac atgtatatgt atatatgagc 34140  
tctatttctg gaggcagccg tttgggtttt gacagtgtca gtgggtggca cacaggttag 34200  
catcacagta gaaagtattc ctattttcag gctgctctaa ctactcagaa aggacatgc 34260  
atctagctta gctttgctat ttaaaatata cagcgagtat gtggaaagac tttgggtttt 34320  
ggaatcatta gatcattgga ctaggagtca aattctgccc tactagctaa gtcaagaagt 34380  
ctctgaattt atctgaaact tacttagtcc ctctcatctac aaaataaaaa tgatcaaaat 34440  
aaaaaatgt atgtaaaatg cccaacacag tgcctggaca taagggaccc tcaatcaatg 34500

cctectactt ctgagccagc agcctagggt gcattttcca catttctgtt tacagtgaat 34560  
cataaactcc attcctctgt agatttgggc atttgtggac cactaaggag cacatctgaa 34620  
tcttgtcaaa gggttaacta ctagctatct ttccaactcc acaggtgagg agagagacag 34680  
tcttctctag ttcatctat ctttattgta ataggattgg gatcgctgta aaataaaatg 34740  
aaaaatttat gctatggata catgatgcgc aaacaaaatc tgttcaatgt ggggtggttg 34800  
ctgggctctc aattgctggt tttatgaact acttccatat agcagcttca ccaaaaatgg 34860  
aatttaaatt ataccttggc aaaaggctcc gcaccagagg tatgaatgga tagcggaac 34920

cacactagat actattctag ttgcttcgta tactttaact ttcttctct tggctggaag 34980  
ttccatgaga gcagagacat ctttctttca caacaacaca cacagtgtg ggtgccatgc 35040  
tgaacacata atcaagctg agtaaatatt agtcacataa ataatgtat taaccctct 35100  
tcaactcaga ttccactgcc tgcccacata cacacccatg aagtaggcac tcttattatt 35160  
attccattc acaggaaagt taacactgag ggaatcagag cattgatcga tggcacagag 35220  
ccagtaagtg gcagtgaaca aagactaagc caccaaaggc ctgtgtcatt ttctctattc 35280  
tgcattcttt acagctctgg ggagagatgt atgggagaga caagacagaa atttactgct 35340

aaaccctaa aatcctttct gggttattcc aggggtcata ccaggtttac agcttcacag 35400  
atccaccagg tctcttcag gcccttgaaa tgccatctct tctgtcttc ctgacattca 35460  
cattttcctt tcatccatt tggaatctgt gcacctgcc tctctctga gatctcaaac 35520  
acttggcaca tccttttgtt ctagttcttc gctcactgtg ttaccctgat gagttaaatt 35580  
cccattcccc tacaagattc tgcaaagagg cagacaactg ggccatgtct gtctctgtat 35640  
tctgtggcc acccctgtac tcccctggcc tcaccaaggc ctggcacact ggccaggtga 35700  
taagtcttt ccaaattgat ggatatctgc tgcagggaatt gctggcctta cccattgtt 35760

tgcaaacgtt aattggtctc ctactttctt gcatggaact agcattgttt ccacatctat 35820  
tttctaaagg tctagaaatc attttcaaat acatgataga cttctttaat agacaataca 35880  
taacttttat gcaaaaaaga actttttcat gtatctatta agtagttttt taaaaagcca 35940

ataagttcct gtggccttgc aatcctctca tctttaaaat gagagtgatg agcctccatt 36000  
 ccagatctaa ctactttatg ggatagctct taattctggt ttgcaaaca cttaaagccg 36060  
 ttgtgtttgt tttttaaaac aggtaaaatc taaagagtaa atgggtcata gtttactgaa 36120  
 acagtatcct attgtaggat atttagagaa tttttaatac tataaataat ttagcagtat 36180  
  
 acattcgtat aaagaaaacc ctcttatttc atttatgagt atataaatga cactgtcgtg 36240  
 tgaaggcat gttctaggct ctgaggatat agctgacata acagacaaaa atccctaccc 36300  
 ctttgacat tatacttcta tattttagat catttccatg agatacagtc ccatgtttct 36360  
 ggatcaaaga gtttttaggc tcttgataca cattgtcgtg tcattttctt tctttttttt 36420  
 ttttttgaga tggcatcttg ctggatgcag tggcatgac tcagctcact gcaacttcca 36480  
 cctcccggtg tcaagcaatt ctctgcctc agcctcctga gtagctggga ctacaggcac 36540  
 ccgccatcac acctggctaa cttttgtata tttagtagag atgggggttt cgccatgttg 36600  
  
 gccaaagctgg ttttgaactc ctgacctcag gtgatctgcc cacctcagcc tcccaaagtg 36660  
 ctgggattac aggtgtgagc caccgcgcct ggctgtctat atcactttct atcacacctg 36720  
 accaagtagg agtttagta ggaatctgac tcagagcttg cttttagaga gtatataacc 36780  
 ttgccaagt tactttgtct tggtttttcc ctggacaca aactttctct ccagtggcc 36840  
 cccagctggt accttatgtc ctatagtcct ttgtgttcag gaggactggg tgttggctgg 36900  
 aggaagtaag ttggctgga ggaagtaagt tcccatcctt ctaccagtg gttactaac 36960  
 agatcttgca aatcctgttc tcataaaatt acctctttgg aataaagttc aataccttag 37020  
  
 atttttgccc tgacaaatta attattcaac atggttcac tctctagcat tccaagttt 37080  
 ttctatgtta gacatctttt atccgcatg gttgatcact gtcttcacag cattatgtca 37140  
 tctgcagagt gaacaggctt gtctccctag gcatggatat atgcctcaa aactctatct 37200  
 cctcatccct ctacctggga tgctctcagg tagccacaaa actccctccc tcaactcttt 37260  
 ccggtttctg ctcaaatgtc acttttatca gagtccattt ctgaccatat tttataaagc 37320  
 aataccctca tcaattctaaa cccatttgc ctctctttat tttattcacc tgacttatca 37380  
 gccccagaca tgttatatgc ttgattgctt attagctatt accctactg caatgtgaac 37440  
  
 tccacaaggg tattgctttg ttcagcactg catctgttca gcactataat agggcctggc 37500  
 acataatagg tgtttaatat atagctgcca atttatggg tgtgtttttt tgaaatcagc 37560  
 ctaagaaca agttgttttt tcatcatgaa atgacactga cttatggtat tgataaggat 37620  
 tctggcccc accctcagcc cattttccc ccaaagtcag ctgacacct caggacttct 37680  
 tcacatggac caatatgaag atacatgtgc atcacatgca cagccacaca cccctggcc 37740  
 cctccaaaac agcttgtact tatgtggctg cttttctggg ccctagcatt gggttttacc 37800

tgaatcccaa ttttaccatt ttagtgacaa catagccact ccacccctca ttaactatat 37860

aagcttggcc acttaattta aacttgctga gtttgtttcc ttgcctgtca aaattggagt 37920

aataactaagt cgaagagttg tataagaact tctaattgtct actgtgacat gtgaagagct 37980

tagaaatcat cactcctgtc ctcatatgaa aaaaagctga aaaactgaaa atcaacaact 38040

ctaattactt ccatcagaga actgagggtca tgaggcaaac cttcgccacc tccttcctcc 38100

tccaccccc aagaaatgga gagacaagtg aatactgaaa atcacagatt ctcaggagct 38160

gctggaaca gtaaatggta ggaggactta aaggctaact gatgactagc tacaggctga 38220

gtgtagactg cttggagagt taaactcctg ggagcccaat cctgaaggga ctccacact 38280

tttgtgaatt ttaaccccag gagccctcat caggttctca cggtgaaaat cagagaaatc 38340

tcctccagct tgaggcatgg gaagggaataa agaacctttt tgaaatctgg ccagatgctt 38400

ctccctaaca aggtctgccc tcaaggaaac tactttacca gagtcttacc tgatccgaag 38460

aaagaacaat tagccagggtc cagccctgtc tagccttctt gtctcatata aaggaagtaa 38520

aaaaaggcta agaaactttt ctgaagacca cacacaaaga ttctgcccc ataaaatatt 38580

gagatttaat caaaagatag accgttacc tttcccaata tgttaccatt acatcaacaa 38640

ggctcagtat aacaacagtg gattacaaca gagagggtg caaggcataa cctctactta 38700

agaaggagtt tctagggaat accaaagaca aaaatgagaa gaaagaatga caaacaacaa 38760

taataaccaa gaactgcagg aaaattacaa aagatgtaac atactgataa tgggaatata 38820

agacaaatag agaaaagaat agaagaaata ttggaagatt agatgaaata ataaaagggc 38880

tattatggta agtagtttgt tcatactaag tgatcaataa atggtagtca taattactat 38940

tattaattga tcaacatata agaggaggga agaagagttg aatcaaaggc aactgtttta 39000

acaggactta gtcatgatca ggcacaggag ggaggacatc tttcttgaca tggggaaaac 39060

aagcaaaact ggtaaaaata tacaacaatt tgatgaacaa gaaggaaagt gagagtagat 39120

aggattacac aggatgccct ccatataatt ctgactttaa tagtaataatc ttccttatag 39180

aattactgag aaaattaaat aatttataac aatggttttc aactggtaat gaacatcaga 39240

atctcctgga tacttgtttg taattcatct ctcggggccc caagtcagag aatctgattc 39300

tgtgcaccta aggggggtgag gaactggggc tgcggaccct gcatctttta taagcatctt 39360

atgtgaatct gacacaagtg ccccaagag caccttaaga aacacataag catgttgatt 39420

agtgactgac ctgaaacaca gtcaacaaat gtttttcaag tagacagagg caagctgac 39480

tgcagaggga aaggacagg ctgaagactg ggagatgga gcaagtgcag gaggaatgtg 39540

gtagggagtc catgagagat ggatggaagg atcgtgtagc agcagagacc cagtttagaa 39600  
 aacacatatt cctagaggag actttgagat tggatttgta actttcttca tcaactccca 39660  
 agagcctggt ggcaggagcc aagcagacag atggtacagt tttcccagaa ctggaaaacc 39720  
 ccaaacacag tagaagatag ggggcacagg catccaccaa ggggagagag aatcagggaa 39780  
 ccagggcact gttgagaaag ctggtcaggg gttcaagttg gccaggaaga tagtacctct 39840  
 actatctacc tataatTTTT ttaaaaaacc ccaaagtcct aggacccac atctctcca 39900  
 accactacct catTTctctg cccacctcg acagccaagc acttcaagag agttgtgcct 39960  
  
 acacatgttt taccacttc tctgtgttg ttcacttctc gacccccacc aaaatggctc 40020  
 ttgagtcctg acagtttctg caatggcctc cgcgttgtcc gtgcacactc catcatcttg 40080  
 cacacattcc tcagtatcg agaggagct gaccactccc tgattcctag aatattctct 40140  
 tctcatgtct tcttggtttt atgtattttg ccccaaaaag tggcagcagg ggagttccca 40200  
 cacaagaaag tgcaacacac tatctgaag tggggctggt tgggattcca aagaaaggag 40260  
 cactaagcac cagttagatc agtccaaaac atttattagg ggaacttact tacagaagtg 40320  
 ctgcagtgat cctgcaccg aacagcgaga gaaaagggat gttctgccca ggcacaaatg 40380  
  
 cagtgagggg tccagggtat ggagttttta tgagggttta aggagtttgg ctgagggatg 40440  
 gggccagttt ctttcagtgt tttaggcaac aatctagata cctttgtcag tgtctgggaa 40500  
 tgttcaaggc ccagtttgg gattaagcct gctgggaata acccacattt ggctgggtca 40560  
 cagagtggtc aaggcactct gtgattttct atcaagacac agaaagaaag cgggagagct 40620  
 gaagggacct acataagcac tattggcatt tgggccatat ttgaggttta caacataatg 40680  
 ttatgtatag atagtataca taatgatata tatatagata gtaaaatggt tactgcagtg 40740  
 aagtaggtta acatccatca ttgcacatag ttactttttt tgtgacaagg gcaactaaaa 40800  
  
 tctacttaac caaaatccgt aatacaattt ttcactctca tgctatacat tagatctcta 40860  
 gacttgttca tcctatataa ctgttatttt gtatcctttg acttacatct tcctattttt 40920  
 tccttctcta cccctttga taatcactcc cttatctatc tctgcatatt tgagctcttt 40980  
 ttttaaaaaa atgtttcaca tataagagag atcatgcaat atttttcttt ctctttctgg 41040  
 cttacttcac ttagcataat gtcttccagg tccatctttg ttgtggagaa tggcaagatc 41100  
 tctttctggt ctaggctgaa taatattcca ttacacacac agacacacac acacacatac 41160  
 acacacacac acgtgtacat gttctttccc catttgtaca tttctacat tttcttttcc 41220  
  
 caaatgaaca tggacattta ggtcgtttcc atatcctggc tattgttaat aatgttgcaa 41280  
 tgaacatggg tccacaggtg tctttatgag gtagtgagtt tatctctct aggtaaatac 41340  
 ccagaagtcg gattgctgta tcatatgata gtttattttt agttgaggaa cctccatacc 41400

atttccacc atggctatac caatctacgt ttccatcaac agcatacagg gttacctttt 41460  
 ctccagaccc ttaccaacat ttgctatctc ttgtcttttt gataatagct atccttatgg 41520  
 atgtgagata atatcttata gtggttttta tttgcatctc cctgatgatt aatgatgttg 41580  
 aacacctttt catataacctg ttggccattt ttatatgttc tttggaaaaa atgtctgttc 41640  
  
 aggttatttg cccatttttt agttgggttt ttttgttttt ctgctattga gttttaacag 41700  
 ttatttacia attttagata ttaactcctt atcagatatg tgaaatgcag ttttttgttt 41760  
 gtttgttttt tcagttcgtg gttttccttt tctttctttc ttttttctgt gtgagacagg 41820  
 gtctcactct gtcaccagg ctggagtgcg gtggcataat aatagctcac tgcagcccca 41880  
 aactcctggg ctcaagtgat cctcctgcct gggtctcctg agtagttggg actacaggtg 41940  
 catgccacta tgctcggatg atttaaaaaa aattttttta gagatggagt ctactgtgt 42000  
 tgcccaggct atgccttttc attttgttgt ttgtttcctt tgctgtgaag aaggttttta 42060  
  
 gtttcatgta gtccattta tttattttat tttttagca tgaactgttg gtgtgatatc 42120  
 caaaaaatt attacaaagg ccaatgttga ggaggttttc tgctattttc tcttctagga 42180  
 gatttatgat ttctgagcca gataattctt tgttgttggc agctgccctg tgtcctctgg 42240  
 gatggttggc agcacccctg gcccttggcc ccaccagtgt tgataaccaa aaatgtttcc 42300  
 agatatgttc tgattctgat gtcccctaga gaacaagatc atccccattg agatctgctt 42360  
 ctctaaatga tgcactctcc aaactctgtc ctgtaacctt ttctgtcctt tctctgcaca 42420  
 attagactca tccgttccat ggcttttagt accatctgcg tgataatgac tccattcat 42480  
  
 gtccacgtt gagatttgtg gccactttg atgttctaga cctgggcta aattaaggta 42540  
 aattaagcct ggggcttttc aaattagaca gagggaatgt aagccctgt tctactcttg 42600  
 ctgtgtaact ttaactcttt taacctttgt ttctctgtct gaaaaacaaa taataaagat 42660  
 gtcaaagctg taaagatgat cattagagtc cttggcacat agtaagttgc taagtattat 42720  
 tataacattc ataattctga tctcaatgcc ttcaggctat gcacaaaggg cttctggact 42780  
 tagggtcatt caatagaatg ttatagactg ttgaaagttc aactctagag cctgagagac 42840  
 ctgggttcaa atcctgaatc tacaattctg ctctatgacc tctctaaggc tcggtttctt 42900  
  
 cctgcttggg aaaggggaat aataatatta cccactttgg aggggtgaatc aaatgagatc 42960  
 atcctaggaa aatcaattaa catgatgtct aacataccag tacttaataa acattagtaa 43020  
 ttattattag ggtaacatta gagaagctga tctttaactg aatctcaagg gctatagaaa 43080  
 gagcagtctc ggcagagcat gaataatggg acagggtgag gaaaagttag ctataatctg 43140  
 ggaatgacaa ggagtctctg attgctagtg caaggttagg gcttgagatg aaactaatga 43200  
 attgtcatct aaatgccctt ccacgccagt ttgggactat gggctttatc ctttttagtac 43260

ctgctagcag aaattgtttt ttggtttttt ttggcaaggg gagagggaca ccaaagagtt 43320

ttagattagg caacaacatg atgattaaat ttccaactta ggaagagagc tctcatcaat 43380

atggaagagc ttggagaaga taagaacaga ggcaggaagg ctgggtagga gattgtggca 43440

tgaactccag tgagagatca ggaaggctgc tcatcaggag atgaatgcca cagacatcaa 43500

agagctaaca actgatgagt tgaatgcagg gggctgagta ggactctgag gctttttgct 43560

tggctgcacg tgggtggaccg gtggctcatt gaacctctg ctgtctctc atcccaccac 43620

tgccctctcc tctctctct tccctctta gctaagctca tcatctcagt aacacttctg 43680

ccatagccca taacttcttt gcctctgtc ctcacacca tctagcaaaa ctccagccct 43740

gaatgaacac atcttttctc ttctttgtgc ttacacctga gccctgcacc tggaaaaagt 43800

cacatttcag tgcagattgg ccagttcaca tcatgctaata ttcttagagc tgctgttaaca 43860

aattgccaca catttgggtg cttaaaacaa cagaaattta attatcttac aattctgggg 43920

tccagaaatt caaaattcat ctactgggc caaaattaag gtgtcaacag gaccacactc 43980

cctctggggg ctctagggca gtggctccaa acctttttgg caccaggag tagtttctg 44040

gagaacagtt ttccatggg ctgcagtagg gggaatggtt tcaggataaa actgttctac 44100

ctcagatcat caggcattag attctcataa ggagtacaca acctagatcc cttgcatgtg 44160

cagttcacca tagggtttgc acttttatga gaattgaatg ccgccactta cttgacagga 44220

ggtgtattag ggttttctag agggacagaa ctgataggag atatatatgt gaatttatta 44280

agaattaact cacacaatca cagggtccca caatcagctg tctgcaagct gaggagcaag 44340

gagagccagt ccaagtccca aaactgaaga acttgagtc tgatgttcaa ggataggaag 44400

aatccagcat gggagaaaga tgtagtctgg gaggctaggc cagtctctcc ttttcacatt 44460

ttctgctgc tttatatca ttgacagcta attagatggt gccacacag ctgattagat 44520

ggtgcccacc cagattaagg gtgggtctgc cttcccagc cactgactc aaatgttaat 44580

ctcctttgc aacacctca cagacacacc cagggtcaat actttgcatc cttcaatcca 44640

atcaagtga cactcagtat taaccatcac aggagtgaa gctcaggcgg taatgctggc 44700

tcaccccgat ctctgtctgt gtggcccagc tcctaacagg ccacagactg ggggctgggg 44760

actctgctc tagggacgat ttgttccttg cctcttgccg cttctggtga ctgtcagcag 44820

gcttggtgtt ggctgcatca ctctactctc tgcctccatc ctcacgtggc cttctccttg 44880

tctctgtctc aaagctccct ctgccactct ctttaagga tacatatgat tgcatttaag 44940

gcttcagat agtctagaat aaacatctcc tctcaagatc cttaataaaa tcatatcttt 45000

tgccatataa ggiactattc acactttctg gggattagaa gtgaacatgc agtagtcctt 45060  
 ttgtatctgc aggttctgca tccactgatt cagccaaaaa tattggaaaa ataaaaatta 45120  
 aaaaattaata cagattttaa aaatacagta taacaactat ttacaaagta ttacatcaca 45180  
 ttagatatta taagtaatct ggagatgctt taaagtatac agaaggagta tatgggagga 45240  
 gtagctgtgg attttgatat tcacaggatg atgctggaac caacccccga caaataccaa 45300  
 ggaatgattg tatttcgagg ggacatTTTT cttctacca ttacactta tgcaggacca 45360  
 ctgaccttg aggcccttg acctgcctgg caatctgacc aaattactct ggaaggcttg 45420  
  
 tcctccact ttcctaatag ctgattctt tcattcctga cccacctatg ggtcacatca 45480  
 ctttccac atcatttca acaagtgacc ttgttgtt ctctatggg gaaaagaaa 45540  
 agaaagaaa agaatccct ggacctggac cagaatttct taacttgtt ctaaagttaa 45600  
 taaacctacc tgcatttct ctcatttct ctcctactaa aataatggat ctctccatcc 45660  
 ctgtcctgag accatctcta ctgagctct ggataccact ctctcctgct tcctcaggaa 45720  
 ccttaaatgg ccaatcacc cactttgtt ttgtagagtc agccttttct tcttgataag 45780  
 gtcttccct tcagctcaag ttttaaaact cttcttcag gaatttct tcttaaaaga 45840  
  
 acaatttaa aaccttaca caaacaat tccaccct ggccaatcca tcactaagtc 45900  
 ctgtgatgg taccttgtaa gtctttctaa ttcaccaact tctcccttc tcagcctgct 45960  
 atgagtcag tctgtcat cactctctg gacgaccata gtaaccttc tgcattcatt 46020  
 ttggcacct cacaattgct ctgttaagct gccttcagtt gtgtgtgatt ggtatgtgag 46080  
 ctccatgagg tcagggactt agttccattc atgtgttccc tgtgtctca tcatcttgaa 46140  
 aaggccaga aacacagtag ctgttcaata aatgttgtt gaaggattc acataattta 46200  
 tcactaattt caggaggaag acaagttcc ttaacagccc aaaaggcca gaaaggcctg 46260  
  
 accctactc atctctcac ctcatctgt gtcatttcc cttgttccct gagctctaga 46320  
 cacattggc ttctatgaac gctccagtt ttctcctgcc ccagggtatg ttagagaaa 46380  
 tgtttctca ttgttagaa cattccctc tgcccaacc caacttttc taataaatac 46440  
 cactcagct tcagatcga gtcataat agcaagtgc ttcttgga aatcttctt 46500  
 tagcaccatt atatgctctg ttatgttctc gttgcacata tatctgtcat agaaatttc 46560  
 cagtaagaac tgtgttcata ttgtgtgact atttgattca tgtctgtctt agtcattca 46620  
 gactgtata aaaaaatc ttagactcag tgatttaca aacacagaat ttattgtta 46680  
  
 caattctgga ggctgagcag tccaagatca aggcaccagc agatttgtt tctggttaagg 46740  
 gcctgttccc catacatggc accttcttgc tgcatttca tgtggaggaa gggttaagaga 46800  
 gctcactcag gtctcttita taaggacact aattccatt atgagggtg agccctcatc 46860

acttaatcac ttcccaaagg ttccaccact taatactatc acattggcta ttagattcaa 46920  
cataagaact tgatggaggg ggctgtcaac attcagactg tatcaatgtc tgtctttccc 46980  
atcaaatgag gacaggggcc actatattcc cagtgttag catactgtct gacacacaga 47040  
gatgtcaat aggtatgcac tgcaggaaca aatgaaggga taatggaata atggcaaggc 47100

tgagatcagt tgcaggagga gaaggttttag tggaagggtc acaactcagt tttgcccattg 47160  
ttggaggggc ccacagctaa ttcagctgga gaggtacact cttgtttggg aatctgggct 47220  
gggagctaa gacagagggc aggcctggata tctagactta ggtggttggc aaccctgtag 47280  
tagatgcaaa agatgggcca tataagagga ttcattgtct gagatgagag ggggatggga 47340  
ttaaggcag actgggagct cagaaaggaa gaccacaga ttaaaaaaag atgagctaa 47400  
tgtagagatg taaaggaggg acgaggttga ggggcacgtg aagcagcagg tgaggccaag 47460  
tgaagtgaa ggacagactg ggggtaaaat gagggattgg ggagaatcag gaaggttttag 47520

atcttctgag aggaaaaaaa tctcctgctg gcctaggcca agcaggtgac ctgcatgagt 47580  
ggagtgtgtt tacctgtgtg catgcttata cgtgtgtcat agggaaacacc acaccactct 47640  
caatgtgact tcaatttca atagattgcc tggcatcttt ttacagcaac ccaaactctc 47700  
tgaggcaagt aaggcaggtg taatgatctt tcttttctag gtgcaatatt aagttggact 47760  
catatcctag gccaatgctc ttccaccaaa accacactat ttcactgggc tctagccagc 47820  
ttgtccggag cttaagaca tattactgtc ttatttcage atttctgtct actgcagatg 47880  
aaattggcct ccagccagag aaaaataaaa tgcccttgat aaacggcaat atagtaggat 47940

catagcttta ggaaattgtg atgtccttg taacattccc cgctttttt cttaaatggg 48000  
gagtccttaa gaatcaatta cattttccia attagtgtgg gtagtcagga cagaccagaa 48060  
ccaaaatatt attaatggaa tgtgcctcct atcctcggca gctgagtttg ggtagcacat 48120  
gcaaccccaa ggaagagctc agccctctcc actctgtggg tttgaattca gctacagaag 48180  
ctcagaagaa agagcactgg actctactga aaacctggt tctacatgag ttttcattct 48240  
tcattcaaat tttagcaaat tttaggcttt gtgacttcta ggcatggccc actattgtgt 48300  
tgacaattt ttcaggtaac catataacaa ggtactgagg ttcttattct tagaatctaa 48360

ggaaagctat gtactgtgtc atcagaaaaa tgcactcaca cacacaattt tgcttgtatt 48420  
tcagggtatt ctccaacctt ctgaggcctg tccatggctg actcccccta tagtttaggg 48480  
ggccttcagt ccaatcatga gtggattcct actgcgcct ccaataggt ctctcctctt 48540  
tgctctctga ctttccattc ctctgctaaa ttaagaattt cctattgttc tcaagtcagc 48600  
ccaaattctt ctacatggct tatgagggcc ttcattgatc ggcaactagc tcacatttcc 48660  
ccactgtagg cacgtagagg gaggggagtg agggaggttt gaggagaatg taactcagt 48720

aggatctgat ggacaaataa aagttagaga gtggatgagg atggaagagg aggagtgttg 48780

cttggagagg cctggaggtg agaggaacc ctaaagaaca agaaaggaat atgacatggg 48840

ctttggaata caacatctca gatttgattc ctggctctcc tgcttattaa ccaggtgacc 48900

ttgcacaatt cticaaacct cagtttcctt gtgtgtaaaa tggcagtaat agtagcctcc 48960

tcaaaggaag ggtgtgaggg ctgcaatgca taatgtgtgg aaagtgtta gcagagtcct 49020

ggcaggtaaa cagtggatgg gtgggctgca gtgagatacc aactcttggg atgggatgcc 49080

tagccatgaa ggccatgtag gtcataaggag ggagttcgtt gacactttat ctctcttta 49140

ccagtggga cttgtggcc agccttcag aggtctaaca ctgaatgtg ccagcctctc 49200

ctgctggctt cagggcctcc ttgtgtcaaa agtgattgca gctccagaca actgagcccc 49260

actgacagac acctcccatc ctaacacca ccctaactt tcaccaaagg ccacaggacc 49320

aagatgggaa ggctgagact gtgccacagc agggcttctt atgaccccaa atgggggtca 49380

gcttttgact ctggtgagat acattggaga accagattaa caccagattc ctcatagagc 49440

aacttagtta tgccaagcat attctcagt gcgacgtgca aaccgcattt atcctatgtg 49500

gtaggaatg agacttttct ccataaatgc atcatcacat actgcagcct tetaagtgtt 49560

aaccattttg tccaccgatt tggcaaaaac agactcgtct ttcaagattc agctcaaagt 49620

catttctct gtgaagccac tctgttctt cctcccccatt cccaacacct agtagaagcc 49680

aagcccttct gaggcctctg atgtctgcca ttggggagaa tttccctttt atttctgcct 49740

ctttgtctcc ctctgctaga gtgcaagtcc ttgaggaca aagcatgttt taatcatctt 49800

ggactcccca gggcccagga caaaaattgg ctctcggtag ttaataagt tttgttgaac 49860

aaaaggatgg ctacattttt tgcccttttc cttcattatt aaatattaaa tgttctatt 49920

tacatattct gccttactga agaggtgttg ctggctccta cacaaaacgg tccctgatga 49980

ctgtactctg atatttctta cattctttcc ctgtgagtct gtttctaacg gcaacctcat 50040

cttctaatg taatttcaca catgttacta aatcactttg cttcagcctg aacctaggat 50100

gttgcttctc cttcagaata agatgccagc tgggaataga gatccaggca gtcccagaag 50160

ccccatgcta acaacttctg ctaattctta ggctgattat gtggattatt gaatagatcg 50220

tctttctgct ttttctctt taaactctct ctgctcggcc ttgtctgttt catcagtaaa 50280

ggtgggcatg gggaacatag agactgtgaa atctaaacct actctactcc acttccattt 50340

ggtcaggttt tggaataaaa aaatctactic tattagtaaa gaattatagt catttiagag 50400

ccattctctg agtaaaactg tcaattaata aacttgcca ttctgtttgg ggaataaaag 50460

aaaggaggag ggagtttaagg agcttatttc ccccaattct ctaactcacc aatgggtttg 50520  
 tggctgcaat tgcctgaagt cccattgact gtgttgctg cctattgagt aggatcttct 50580  
 ggggtacata caacttaaat gtagttttga aagtgtcttg tctttctctc aggtcatatt 50640  
 gctaattattg tatacattgc caattgagca atcagtttac caactagagg aaatctggct 50700  
 cactagattt actgagcacc tgctgtatac caggctctag actgggtgcc ctgtctcctt 50760  
 gacctctaatt cttcacaagc aatctaggaa aagtgttatg aacattttag agatgaagga 50820  
 agagactcag agaggttatt tacttcttgc tcaagcccat acagcaatga tttcccaaac 50880  
  
 ctgtaggggtg tttcttcctt ggggtgtttg tagcggggaa aaagaaagtc aaagcctgtt 50940  
 tccattatcg tggattttag ggaaagggga gtattaaaca tagtaatcag agaagcctgg 51000  
 ttcttctgaa gcttctgact gtcacaaat tggaagttaa tgctggggga gaagctctgt 51060  
 gtgaaggacc cacatactcc cgtctctggc ccagcccaaa ctgccttggc ttacctgagg 51120  
 ctgccagtga ctcttgctc ctagatcttc atcttgacgc tacgtggaca aggtgggtgc 51180  
 agcctgggtgc cttatgtctg tgctgtagct tcttaacagc aagtgagatg gtagcaggca 51240  
 tggaaggcca tcggtgggaa gggaaaggag gggttgtcat agaccaagga gggtgaccac 51300  
  
 agcattccac agattcaaaa atgcccattt ttaacattgt agcattttac aagtcagaat 51360  
 gcatcttaca attgatatgt acatgaaatg taggattcct tttccagata aactgttagt 51420  
 gcatcattga tacctcttat acgcaatggc atcctggatt caaggaacta tggcaggttt 51480  
 catcttatgt gtcaattctg atcaagtggg ggagactatc tggagtttgg gaggagaaag 51540  
 gtctgggtgt atgtccatgg cagtgggtgaa caacaataaa ctgagtgggg cgtcactgtg 51600  
 catgagagat ggcatagaat cctactgtcg ggcatcttgc cttcatcca atatctttgg 51660  
 tattaatgg aggagcacct gccatatctt caactgtaaa ctaaaggaca caaaacacag 51720  
  
 gaagcatttc caagggacca ggtcagaggc ctgcctcttc tcatgcagat ttgtgactgt 51780  
 ggccctttta aatcttttt taaagtatta atttaattat aaaaatagta catgcatgct 51840  
 ataatacaaa gatacagagg tacatgaaat tttaaatgac tcatgtata gatgttacta 51900  
 ttactggcct tatagatttt tacccttctt ctattgtaaa caaatgtgtc tttgtgtatg 51960  
 tctgtgcacg tacacacaca cacttgtctg tctatggaga aaatcttaac agaattgtgg 52020  
 gcaggcctca tttttaatgg gcacaacata gtctacttaa cctctccca ttgaggtttg 52080  
 gctcaaagct tatttcttgt ttcttatgag tgtaaatgct cagaataacc tgtatgacca 52140  
  
 gigtcatagt ccattcatgc tgctataaca aaataccaca gattgggtta tttataaaga 52200  
 atagaaatgt atttctcaca gtctggaagc tgagaagtac aagatctagg tgccagcaag 52260  
 tttagtgtct ggtgaggact gttttctgct tccaaatggg gccttgttgc atgctctgga 52320

ggggacaagc acigtgtcct caggtaggttag aagggataat ataagcagtt tcatctctta 52380  
 agacctttat aaggtcacta atcccattta tgagggtctct gccctcatga cttaatcacc 52440  
 tcctaaagcc tccacctctt aatagtatca catgtattat tacttttcaa catatgaatt 52500  
 ttaggggaca ttcagacat agccacaagg aatgctttac ttacatttta aattagtta 52560  
  
 ttaagatggt tccccagaaa cataaacatg cttaaggttt ctgataatct ctgaattgat 52620  
 atgtcaaaga tgtgttgat tgacacttgt taactatggg taaattttaa ctcagtaaca 52680  
 aagcttttgt gtttccatta ccaaagaaca agaaactatt ggaggtaagt cattgtatat 52740  
 ttatgttggc gtgttggcga gtgtcttgtt aggaatggag tgagtcatgc tgcctgaatg 52800  
 cagtgtgtca gaggtcagg gtctcaggga caatatccag gctctaggtc acctttgact 52860  
 ttacctgctt tatctgaccg gctcatagca ggctgggta agttcatgtt gccacggatt 52920  
 ctaggaggga tctctgaagt gtcaagtact gccttttctt ctcatggttc agtgcagatg 52980  
  
 gccgcagagg gcaggatagt tgatgactta ttctctggag tcatccaatc ttgggattaa 53040  
 ttcttttata ttcatgtgtt gggaaggga aggaagaaaa ggggaagaag ctctgatggc 53100  
 agttccctct tcttagattc cctgtgtgtg gtgcctcagg aacttcttt ctttttgggt 53160  
 atacctctt ttctttctt cttttctcag gtgttactat ttgtgggagc atgtactaag 53220  
 tgctacgcac ttacacatg tgatctcatt taactcaatc catttaactg aactgccaag 53280  
 aggctaagtg gcttataaaa ccaattctat gatctttaca tttttacttg tgcaaactg 53340  
 tgagaaagt taactggta aacatctgtc aggtgaagac tgatgtgctt tctatgggtc 53400  
  
 agcaagaagg cagaagtata tccatctaag tatacattta tatcaaaata atttatttgg 53460  
 acctatgtaa ctatagcatt gattattgtt ttctaaattt gattagcagt caactgaaca 53520  
 tactattcgt ttattgcaat tgggtacttt aaaacaagtt ctgagagtaa ggggtttttt 53580  
 tctgttatat ttttatactc acattaaaaa aagaaatata tacccaatct tgttcaaaaa 53640  
 gaatttagga tagctcatat ctggtttaat ctaaaattaa tactttaaaa atggaatttt 53700  
 aaaatgataa ttttagtagt gttttggaga ctaaaattgg gaaagtcaag aagctggctg 53760  
 ttgactcaca ctattggttt cacattgcag aagataatgt gccatttttt tcatttcaat 53820  
  
 tcaggcaacg cttcctgac acctactaag tgctgggcac tgcatgtggc cagtaagacc 53880  
 tccatgtgtt gcacagtagc tgacagcaga tcagcagact tttgtacca ggatgggcac 53940  
 agggcactct aactttgcaa agcagccttt agggcctctt ttcagggtgc cagagattgc 54000  
 tacgggtgaa gggaaacttt tgtatgttc agggctgggt tcaggcccat tttcattggc 54060  
 aatgaccttc ctggcatatg ctgcattttc ctatgttggg gagaaattta attttactct 54120  
 ccagaggtat tagggaaaaa attacaaacc acttttcaag ttgaggttga acaaatgacc 54180

aggtataact gggtcaggac cccaaaataa tgcattgtt tctttaagca ttgtcattga 54240

gttgaaagcc atggaggcca caaataaaaa gagttaggct catattctaa agatccccag 54300

ctctttaatt taaaaaaaaa tcagtgtcaa aatgttttgt tttaattaca tcattgtttt 54360

cagactatgc tttaaagaat tttaaaatta gcttagtttt ttagtaatct atgaataaag 54420

cttctcttct cgtgtgcctg ccttagagat ggactgactt ttttgcaaaa tgcagctttt 54480

attcttagag aacttagtag tgcttaaaact gtgttcataat tcacctgtc atttgagctc 54540

tgtgacagcc ttgtgatgga gacagaactg gattcttacc caaatTTTtac agatgaaaag 54600

ttagaggttg aacaacttgc ctaaggccac ctgcctaaa gtagcagggc catttgagcc 54660

ctagttcagg catatticat tgggcacact gtctttccaa atatttgcaa aattggacgc 54720

ttgaatagaa gaccttcacc aaaactctgc ttactatttg gctatttcaa aagttaattg 54780

ttggatttgc tgggactacc taagtgtctt gaaaaatatg tgcattctga taatggatgc 54840

aatacatcaa ctaagtattt ttaggccctt tgtgttttta cacttggtac atctttgtaa 54900

tgtattgatc aaactaatga gtcggactat ttggaatgag cagctcagta ttatttaatg 54960

ctgcatttct tgtattttat tgatcacttg cctgattaat taacttatac tatacttggg 55020

tttaagaaga ctttgcctga gctactgaac aattctttag ctacttttc ttatgaaata 55080

accatggaac aaggtaactat ttagagtctt tgggtcttgt tgcgaatttg tgggtagaaa 55140

atgtaagata tatttcaata catggatata atccatttac aagtagctag acggcctttg 55200

ttcaaatttg accaccttcc agacaatgag cttcacctct caactctgca ggaagccctt 55260

agtaggtccc aaatggaaat aggatctact ctgtcataac tatcaagcct gagatcttaa 55320

ggcatccagg tagtcactta ggaatgaaga ggcaaggata gattcaaaca acatttcaga 55380

ggtagaaatt ggcttggtca gtttagaaat gacatggaaa tttctagttt aatgatgcca 55440

gtaactgaga gaccaacgga ggggcagggg ctgaaggaag gggtctgatt gagtttgaaa 55500

tattgtatcc ttctctgag gaggttataa cttggtttgg gaatgtggag ttgacatgga 55560

tgagaaaaga taagtaaaca aatgactaaa ctgcagtatg ataaggccag agacagagat 55620

ctgcagagca tgctgggaga acaatttttg gaggttgaga agtcagaaaa agcctcctag 55680

tgggcctgac acatgggcta cattgtagaa gaattaatta gggagagtgt agcacagggc 55740

attcaatgca gtaaaggcag tctatacaaa ggctccaacg gtacaacaag agccagtaga 55800

ccaggcaagt tcagtgggct ggaggtttta ggatggttga aagatttgaa aagaagcagc 55860

agcttagtca tgaagagcct ggtaatagca gccagcactt gtaagcattt actgcaagcc 55920

aggcatcgca gaatagtcca gaatatgttt agaaggtaga attgtcagta tgtggtgacc 55980  
 agttggacat ggggtagaaa agagaagtac aagtccaaag agagtccaa gttttctcct 56040  
 tgaccaagac agagtttgaa tgaggagcct atttatgagg gagaaggctg atgagctcca 56100  
 tttgggacct gtacaattca aggttccttt agtcatccat agtatgttga tgtatggagt 56160  
 ctgagaccag actgccccgg tttgaatcct agctcagcca cttaggagac ttatgacat 56220  
 gggtaagtta cttaatccct ctgtgcctca gttcagtttt ctactaata agatgggaat 56280  
 aatggcactt aaccttatag agtagttgtg atatttaaatt tttacataaa attatgtata 56340

ttaattatat attatacgta attttataat gtgtataatt atataaatat acaatgtata 56400  
 taaaattgta tatgattata tatataattt aggttctaga tcataacagg cacttgataa 56460  
 cttattgtta ttaattatta tcattatata gttctgagac tcaaggacct gggttgacac 56520  
 catcaaggta gagtattata tatgatcatt atgtatgac attatgtatc tcttaggagg 56580  
 tatttggtta taagaaacag aaaatccaat catggctttt atcatgggtt cttttattgt 56640  
 ttagcaagga gtttggagat aaatggcttc cacattcttt tagcagctca gtgacatcag 56700  
 gtccctggac tagtagctct gtgattcact cagcctttct cttctattcc ataaaatggc 56760

tgtgctagct cctccggttc ataaattggc cacactagct caaagcatgt caccctcacc 56820  
 aacagtgttc taaataggag agaaggagga tagtggggga aaacactctc ctcataggcc 56880  
 actaccctt ttgtcagaga ggaaaaatccc agaagcctcc tggctgatgt ttctgtacct 56940  
 ctcataggcc aaaagcaggt cacatggtca cctgaaactc aaggaaagga acaggatagc 57000  
 cataattggt ttagaccagt catgattcaa tctctggggt tggacactgt aaatcctaaa 57060  
 caaatagggt cttttagcaa aagagaagga gggaatggct gttgggccag taattaagaa 57120  
 tgtgcaccac tctaggagg gaggacattt agagaagagg acaagaggag aaccaggac 57180

tccatgacat tcataggtct tataggaac aggggccagg gaagagattt caaatgcaa 57240  
 ggaaatagga gaagaaatcc agagaagcac ccaaaggga agagctgggg gagaggcaag 57300  
 tctacagggg tacatctggc agagctttga gcagaatgag gctgtaaaaa gctgtcagag 57360  
 ttggcagtga ggaggtcaga gtgaccattg ccagtgcaga ttcagtgatg ccaagggtta 57420  
 agaagagaat ggtgatctct atcatatgca gttggtaggc gtgcaaatta atccaaaatt 57480  
 tgtattagtt tggcactgtg tgccaaaatt taaaatgctc atacccttta actctgaaat 57540  
 ttcacttcta ggaattaatt caactggcca atttagacaa gtggaggctg atgtaagtac 57600

gaggatgttg attgcagcct tgtttgttat agcaaaacaa aaaaagagg gtgattgatc 57660  
 tgatctgaaa gcccatcata taggattaat tataataaat ggtagtacat cttggcagtg 57720  
 gaataaccagg aacagtagaa aagaactgaa gttctggagt ccacagcca gggtttaaat 57780

tctggttctg ccatttacca gctgtgtgac ctcagctctc tgtgaacatt tctgggactc 57840  
 agtttcttta gctgtaaaat gggataatta taatactaac tcatagagct atagttagga 57900  
 ataaggatgc agatataagt gaaatacact gaatatttct ggcacagatt attatgcagt 57960  
 aatttaaaaa gatttggcag atttaccatgt atgtttaaaa gattgtttat aagatgttaa 58020

gagaaagaaa tgaggttaca gaatatcacg atataatgat ccaacaggtg gttttatctg 58080  
 ggaggtaaaa tcttgggcac aattcacttt ctactttata cctatttgta tttttacct 58140  
 ttaaaacaag gcatttaatg tcttattcac ctggccaatt ataagccaca ggagggaagc 58200  
 taccatttct gttttgttca ccacagtata tcataatata tggcatatta caagcagatg 58260  
 ataaatatgt gtigaatgag tgtatgaaaa aatagtaagt tgtgtttaga aggaaattcc 58320  
 ataggccaag agttcaaaga tgcagtagtt ctgcaccaac aagtccccgg gtagacctca 58380  
 gggacaaggc tgcagaaatg aagcagaagt cagggtctgag ggttgtatat tggctctcag 58440

tatgaatgcc tcagcttctg aaacagctca ggttgcaaaa cctgaggaag aagagggaag 58500  
 acaagcccca aagcaccagg atccagtcctc tggttttgtt cagcacttcc caaacaggct 58560  
 gaatctgaga gccaaatcac attttagaat tgcaggcat tttgttgcca ttgagtcatt 58620  
 tcaacttcag aaaacccaag gccctggaag gaggagtctc ccaagttcct acaagacctg 58680  
 agacgacct gccctgtgtt tcccaattcc tgccttagtg ctggctcctt cttccaagga 58740  
 ctgaacattg tagatttctg atacacacga agttgttttc agaggatgic cattcatttg 58800  
 actcctaaga aaccagttc tcttaagcac aattcaatgg cttgcgtctc taaagttcac 58860

tgatcaccca tcgtcttgc tctttatttg taaagaacaa agggaccagg gatgtaatta 58920  
 actcacccac atttccatt gtccttaagt cttttgtgca agcattgatt gttgttttta 58980  
 ttgttgaaag cagaattgtt ctcttggaac cacacatcca gaaagagagc ccagttaggg 59040  
 actcagcagg tgatgctgtt gaagtttgac cttaccgttt ggaagaataa aagaaaaagc 59100  
 caaaaaaagc aataattgag cagagggtcg ttatgaattg gttactattc tatactatta 59160  
 aatgcttttg gagaaaagac atttggttat ttttaagtgc atttaggaat tcagaatata 59220  
 agccagctga gtcaccaagt acaggtcctc aggggattca gtttaatgaa tctttaagag 59280

cagcctgttg ttaacatatt acaattagca caggtaaatg gaggattcga atgtgcttct 59340  
 ggcaataat ctgttctcac ttttatatct tagtcattac ttactatac attgatgttt 59400  
 actctgaggt tgttttctg ggaagaaagg atacacttag caaagcaaga tgatatggca 59460  
 gaagagagct tgagatttgg gatctaaata tgaccgggtg gaatattggc tctgttcatt 59520  
 agtacagtcg tgtggtcctc aggaatttgc tgaatcctc tgaatctgtt tctcctcta 59580  
 taaaatgggg attataaaac ctgtttcagt ggattgttca gctgattcaa ccaaatcatg 59640

ttaaaagggc tgctgcatag ctcaataaac tttagcttct ttcctcaaa gtttagcttt 59700  
  
 tcttccctgt tcatctaaaa aatcaagcaa tgaattactg aaaccttttc atagggaaga 59760  
 gaaggcaatg ttttgggttc tttaaccaca ttttgcccat acattcgact ttatccaaag 59820  
 aacgctttga gtgctgcaa ccacctgcac gctgagaaga caaaggtgag gagtaggggtt 59880  
 aaaagcaggt tcatgtaggt tcaactggaa aaccagctgc cacggaagcc tcaggcatat 59940  
 ctaaatttgt tcttccctct tttcttctt aactccttaa ggtttgtggg cgggatcatg 60000  
 taggatgacg acagccaaag ggaaccatcc aaggctctga ggtggaggga gctctgcttg 60060  
 ttttaaggac tggagctcgg tgggtgagac aaatggtggc aggagatgat gcctgagaag 60120  
  
 ttggcaggga ccagattagg tggggaattg caagctggca ttataaagt tggattttaa 60180  
 gtgtaatgga aagccactgg aagtctttta acagggaagt gacatgattt attattttta 60240  
 atgtgcgctc tggtttctgt gggaagattg gattgtaggg gctaagtatg gaagcagaga 60300  
 gataagttag aaggttgttg cagtggttta ttgagtttgg gtgctttagg gtgctggaga 60360  
 gaaatactgt gaaggtaaaa ctgacaggca gtcaaagggt aggccttaaat gaaataacat 60420  
 aatgaagtg ccaagtgtgt agtagataat taacaacaca agttccctct ctctgtgcta 60480  
 caactatc aacaaagtga tgtttttctc tggaattgga tatagggaga tgataaatta 60540  
  
 ataaccacat tttctcagct atggatttgt tctttggagg tgggctgact gggagatgga 60600  
 ggtcagcttt tgcagatcac agcctgccaa ctgggaacac ttgcgaaagg aagaaataat 60660  
 agaagcagga agcaggaaag gaggaagag cagtatggaa aaaagactgg gccaggtgcg 60720  
 gtggctcacg cctgtaatcc cagcactttg ggaggctgag gtgggcagat catgaggtea 60780  
 agagtgaag accggcctga ccaacatggt gaaaccccat ctctactaag aaaacaaaaa 60840  
 ttagctgggc gtagtggttg gcgctgtaa tcccagctac ttgggaggct gaggcaggag 60900  
 aatcacttga acccgggagg ccgaggttgg agtgagccaa gattgggcca ctgcactcca 60960  
  
 gcctcggatg cagtgcgaga ctccatctca aagaaaaaa aaaaagactg gaaggagcaa 61020  
 tttggggacc ttatctccct cacaaggcat gtgacagtgg tatggcttgg ctgcttcagt 61080  
 gccctagtac tcaaaccct aaaggagaa tgcagatgga caggtgcaga ggtcatgggg 61140  
 agcacttttg ggcttcaacc ccacggcagt atcttggggg gattgcttac gactcttgaa 61200  
 gccccagtgg gtgtgtgtta cagtgtgctc tttctgcttt gccatctgca ggtggcttgt 61260  
 gttaatcagc tcaagtagac cctctgcctt atcgcaagag cagagggtt tctgtatcct 61320  
 gatttcttgc ccagtgtacc agaaaaattt gatcacaggt gggcttgggt caaggttctg 61380

ttgagtgggtg gaggtggcgc tcagcaagat ggatgggggg ccagaagagg gatggagtgg 61440  
 gaaggtggtc tccccctgga gtcaggctac ccagtggcag actgtcctct gatggccct 61500  
 ggctgaactc cctcagagt ccgcattgtt ccaccatcgc tggctcgcca gtgtctgtg 61560  
 gtgtggctct ctgtcctcc gatgtctagc cgcttgtgtg tgtgcctgct aaggtctcgg 61620  
 gtttatatgg gcacaggatg gggggcatgg ctggccagag tggctctgga aaatgcaaca 61680  
 tttgggcaca aaaacaagag tgccgtgttct ctcttaggtc catgggcaca ggcccaaggg 61740  
 tggagccct gccagggacc ccactcttct ctaccaggg cttccctgcc ctacttcgc 61800  
  
 atcactgaga aatgtgagga cattgggtgtg tgtggaaggt gctggcataa cagctggagt 61860  
 tgcaccttc aagtgacaat ataggtatat cagggcagtc tgctatgatt agaactgaaa 61920  
 agaacttgga ggccatatca tctgaattcc tcattttagg aaactgatct ctagagagaa 61980  
 aaagtgactt gggcaagacc acagagataa tggcagaggc agggctggtg gcaaactaga 62040  
 gtgggaagag attgagtttt aaagtaagag actgggggtg cagtcattta ttcagcaaac 62100  
 atgtaccaag ctctgttcc atgtcagacc caagtctagg caccgggaac acagtcaaat 62160  
 aaaacagaca aggtctctgc ccccatggag ctacattct cattcctcct ctacagact 62220  
  
 ctctgagac taccatggca gtccacctag ttgccttca tgaatcgatt tctcttctc 62280  
 taaaaagga gtagcaatac ctctttaatt ttaattaatt cattattca ttctacaaat 62340  
 attgatcaag tatatatgat gtgccaggca caatgctagg tgctgggtgac ccaaaagtaa 62400  
 gcaaggtaga accagccct gctttcagat atgacgaact agaggcaaga tggttgtcat 62460  
 cttaaatgtc catcaaaatc acctgaagcc cttaggaggt cactgctgcc ctggcccat 62520  
 gcctggagct gtcgattcca ctgctctggg gtggggctag gcatcactat tttcaciaaac 62580  
 cttccaggtg gttcttatag ggggtgggtg aagaagtgt ggagaggcaa agataaaggg 62640  
  
 tcatgcgggt ggtggtttgg caggtggagg gtgcagccta tcagacctgg gttcttgggg 62700  
 ctgggaaatg ctcccagag gaagtgactc atcaggtgag accatgagta ggactagtcc 62760  
 aggaacaaga agtgggagca gtgtctggga aggccagagc cccagaggt tgctctgagg 62820  
 gtaaaagggg taacagaggt ggaccatagt ccgtggtcag agacaagaac tatgccattg 62880  
 ttcctttgcc tgtttctctc tctttgttct ttccagcccc actcccttcc tgttatgttc 62940  
 tttatctac aataccat actgacagca caacagctga ttctccagct cctaataatt 63000  
 atctgaaaga gcttctcct gtcacatc tcatgtccac tgcttctctg caaggcagga 63060  
  
 gccagcctcc ggtcccttc ccacagcttc cagctcaatt gcctccctac agcagaggga 63120  
 aatgtctctt ttgtgcatg atttgatcag tgtattcccc ccaacctcc accttcaggt 63180  
 gcacaaagac aaaatgcatt ctcttcagat atttgatttg ttttgaagt aagtgtcag 63240

taccaccag ctgataacca cattggatgt gtttgacaaa tagtccttga gtgttaccat 63300  
aatctataa cttagtgaga gattcttatt gtcaaaatat aattagatca aagtttggtg 63360  
tttccaagg gtgtaaggaa gttcatggat gtgtaccata ttcagtaaga tatacatctg 63420  
tgcgatgatgt ctgccattgt cactctaaaa caagaggga atctgacatg cttttacgtc 63480

ctaaagaagg aagatattca gtgacttggt taagtctctt ctgaataaac cctcagcaga 63540  
gcctgagttt attctcaagg cgagggggtg ggggaaacgg ggtgcacaaa cagttttgat 63600  
cccatgccga tgtctgctga cttacgcaga gaatacaaca agcttcaggg ttaaggaaag 63660  
gataacaggg aggttgagaa agaaaaatca gtctgctgga aatgtcattg tcttaagcga 63720  
gggtggagga gagtgggaga gtccttctct tctatgtata atcttctcaa tgcattgtaa 63780  
aatgttttaa agggattata ttatttctcc tgctgtgag gttacccaa cttgtctcct 63840  
cctctctccc catttttccc atttttggct cttttgacat gtaagtgaaga ccagaaacaa 63900

aggctgtcat ctcatccagg cagccatttg tccacactta ccagtaaaact gaatttgcca 63960  
agaactccca ctctgcagtc tctgggagag gcaagatgat aagcttgtgc ctctgataaa 64020  
gcctgcagcc tgggatgac tgggctgagt ggggagactg aatccatggg aaactgcac 64080  
ccttgaggag actcgtctgg acttctctct gccgggaggc actggcgttg taagaaatga 64140  
aggaatgggg tcaggggtgg ggagcatcca caactcagat gtttaaagag ccagagctgc 64200  
aaacaaaatc tggctaggaa cagttttctt cgactgacct cactagatgc ctctttccaa 64260  
aattccaagc cctcttgggg cacacggggt ctttctggaa gttggtgatg tcgtggaaag 64320

gtcactaggt ttggatccaa actgcctagt atgagtttac catgagcttc aataatctga 64380  
tcaagttcca acattctct gagcttcagt tgcttctgtg agatggaaaa caccatccct 64440  
tctcaggact gtcaggact ttaaatgagc tgacatagtt aatacaaaata aaccaccagc 64500  
acagtgactg ggacacagaa ggacctcagc aaactgagtt tttgtctctt tttcctttgc 64560  
taaatgaaat caaacattg caaacccat tagtgtataa gagacattca tttgtccatc 64620  
cctgaagggtg taagcacaat ataaaaaggc ttcccaaact actcagcgag agcaggatag 64680  
agagatgtat gttttgtga gctgatcata aatctgaatg aagtaattat gtaaagtatt 64740

caagagcaat tcagtaagaa gatgcctcat ctgccttgat gggcttttca attactcatt 64800  
tttagtactg cattatactg ttctctggca ataattatta aacatttcaa ctgtactgct 64860  
atataaaact taaaaggctg atttatttcc taggcattag actacattga ataaaatccc 64920  
ccaattacat ggttctatct tttaaaacct gtttatcagt gattttctag tattgagtca 64980  
aaactgacag caggctctca tgtgaaaaat aagggtacag tgtgttaaat ccagcggtta 65040  
ttagctttgg ggtcatggag gatattaata cagacccct acttgctagt cccagtttct 65100

gaatctgtaa aatggggata attcccactt cactggatta ttgtttgaaa taatggatac 65160  
  
 aaagtgttag caagaatgta gagtctgtgc caggtttggg ggctcacacc tgtaatctca 65220  
 gctctttggg aggctgaggc aggaggattg cttgaaccca ggagtttgag accaacctgg 65280  
 gcaacataga cctcatctct acaaaatata aaaaataaaa aatattacct cggcatgggtg 65340  
 gcgtgtgcct gtggtcctag ctactagata ggattgcttg agtccaggag ttcaaggtta 65400  
 tagtgagcta tgatcttgct acttcactct agccggggca cagagtgaga ccctgtctca 65460  
 aaaaataata aaaataaaat tttaaaaaag aatatagggt atttacttat taaacactag 65520  
 atattctgag attcactggc atttacatat agccagttag aatcttccca cttattcagt 65580  
  
 gtatatgcat caatcaccta ctaggtctta ggcaactcaag atgccaccag ggccatttct 65640  
 ctgattgtca cttcaatgac tcaaagtcac ggtcatcaag catctagcag ctccaggctc 65700  
 ccttctgggc tctgtacaca ggacatcttt catcatgtgt agccattttc cacataagga 65760  
 tgtgtactca cagagagttg ggtgacttta ctcaaggta ttcagttagct aaggcagaaa 65820  
 tcagacctat gtctgtggc tccaaagtcc acatcttctc tccccactac cccatgctac 65880  
 ctctcaggat tccaggagca catttcacct ggtttgaagg ataattctc ctcctcttcc 65940  
 tggtttttct agaggagata gctcttttct tattgaggat taccacccc tgaaaaatta 66000  
  
 ccacttccc gaagtctgtc tctactttc tcagcatctt ccaattctca cctggaagat 66060  
 gaggttttct attctaactg aggactacac catgattcag gcagtgacct ctacacacac 66120  
 acacacacac acaagcatgt gtgtgcccag ttctactgga gcctgtccat tgtacttgag 66180  
 gctcccaagc caaactggat ttaggtgcag gccagctggg ctggtaccct ggataccagt 66240  
 ctgtaaagag aactaaatg ctgctggaaa tgtaatacag tggagaaaat ggtctttacc 66300  
 agaattgttg agagcaagc ggacacgaga atgataataa taatatttat caatgcacag 66360  
 tgattataat atacactgat agttttgttg ataaacttcc tccttagttc agccaaaacc 66420  
  
 gggctcttgt cacatgatca ggaaaagatt aggcttgtgg acacagaatg gtgaggaaaa 66480  
 cagaatttat tgggtgaaaa ggaaaaagga aaagcaactc tcagcaaagt gagagagtcc 66540  
 tcctatcagg tttcccgcct cacacgttga atcccaggtc accacatagc aacgggagag 66600  
 gccaggctcc tccccactga acttctgag gctccacccc attctcccag tgctcagggtg 66660  
 ggcgttattc agaaagaatc agtcaggaaa ggggtggcttc atccaggaag ttagtcagg 66720  
 tttttcagcc ttcaggctgt tttaggttta aatatggagt tttgctgggg acccttggct 66780  
 gcctcctgtc tccactggtt ttgtgccaga agcttctcta acaactttgt atatgaattc 66840

atataaacac ttctggccca ttgaggtaga tgctattatc agtccccatt ttacagataa 66900  
 ggagaatcag tccagaaaaa ttaaggaact tgccagagtc acaccagtaa taaataggct 66960  
 gctggactct cctaggactt tgtattgtct cctggtaggg ggaaaacccc caagagcact 67020  
 taagtgacaa gagctgggat ctacagtacc ttccaggcct cttagtgtct gggtaggta 67080  
 tgcaagttta gggcagcagt tgaactactc aggttaatag agtgagcagt gctgagctgg 67140  
 cagtctgcct gccctcctcc cagcagcac tcagcctatc ctccaaatga atgttgggca 67200  
 aatatttaga gaatatcggt ttgaaagggg gccaggttat tagcctgccc agggcgccta 67260  
  
 cgcacttgg ccagccttg ctccaagcc tggcctgctg tctgtgctcc taatatgtga 67320  
 aacaactcac atagcatgga ggattaatct gcttttgggg gagaaatgca atctggtgtt 67380  
 tctcaggact aaacttctgt ggattggatg ccacatgccc ggtgccagag ggtccgcaa 67440  
 tgggtgctct ggccacgtca cctccccac aatccacgt gcttctcaag tctggaaagc 67500  
 acagggtaca ctccgggaa gagaaaataa agcaagttag attttaaag atgaataaga 67560  
 tggaggttag aatccgtttg aagagatgct aatgcaaaaa gggatgctag ttcagagaca 67620  
 tgcaaatcaa aactacaacg aggcaccacc taacagcagt cagaatggct gtgttataaa 67680  
  
 agacaaaaaa taacagatgc tagcaaggct gcggagaaaa gggaacactt gtacactgta 67740  
 ggtgggaatg taagttagtt tgtccactgt ggaaagcagt ttggagattt ctccaagaac 67800  
 taaaaacaga actaggattt gtccagcaa tccattact gggatatata gcaaaggaaa 67860  
 ataaattgtt ctacaaaaaa gacataagca ctcatatgtt cattacagta ctattcaca 67920  
 tagcaacgac atggcatcaa cttagggtgt tgtcagtggg gaactggata aagaaaatgt 67980  
 ggtacatata taccatggaa tactacatag ctataaataa taaaatctat cctttgcagc 68040  
 aatatggatg cagctggagg ccatcatccg aagcaaatta actcaggaac agaaaaccaa 68100  
  
 taccacatgt tctcacttgt aagtgggagc aaaacactgg attcatatgg acataaagat 68160  
 ggaaatgata gacaccaggg gctaccggag caggaagaga ttaatgggga aaggtctgaa 68220  
 agactacctt ttgtgtactg tgctcactac ctgggtgatg ggatcattcg taacaaacct 68280  
 gtacatgtac accctgaagt tgaaattata tttttttaa aaggatgcta taactttgt 68340  
 gaaagttagg ctggaagatg ggggtatttg tagggaaaag ggacaggatt taagcctaaa 68400  
 tctttacagt ttagaagaga ggccactgac aaaaagtaca ctgaataacg cagtcaatgc 68460  
 agccattcaa attatgtttc tgttaagttc agaaaaacct ggaaaaatat tgaggtcct 68520  
  
 aggacaaatg gaaaaagaaa caagacacat tatataaaca aaatcagtac cgctattaac 68580  
 aaatttttaa gaatacatgg agaaaaggct agaaggaaac aaacaaaat tattcaaaca 68640  
 gtggaggatt ttttttttc ctttactttt ctgtcctggg taacgtttct atgataaact 68700

tacttttta atcaataagg gcaaaatctg aattttaaaa aatctatatt gaaagccctt 68760  
tcataaaaga caaaagcaac tgtctttcct tccatggctt tcagattgaa aaaatacacg 68820  
taggaaacta gtaagaggtg attcaatgac tgggattatt ttctttggat tctctctcag 68880  
gttttactga agtagttaga aagcccttcc tgggcagatt cagcaataat aaactacatt 68940

aatttcattt ccagaaaaaa cttaagatgt caaathtagc taagggggat cataatagcc 69000  
ccaaattata aacaacaaaa tgttcaacgt gctgaggttt gttaggtaaa atgtggacca 69060  
aataagatga ggtattatgc tgccattaaa aattttattg ggattgtaca ttaaatggaa 69120  
aagaaatatg ttcgtgatat ggtgtgaaat gacgagttat aacatgggaa gcatacttta 69180  
atcctgtctt ttagaattac atttttatat gtatatgtat gcacaatcta aaatgatata 69240  
caccaaaata ttaataacta tcttgggggtg gtggaatgat caggaacgtt tgtttcatat 69300  
tttttgcctc cctatgtttt ctgattttct acgatgaaca aatatctgta tggagtaatt 69360

ataagaagct tatttgtttc cctctttaa agtgtcttcc tcccatgtta gccagcctgt 69420  
ggtgttaatg ctccctctg gggatgtggg ccacgaccag ttaggagagg ggtgcacggc 69480  
acacaagggg aaccacaaca taccaggggc ctgttaacag ctgctggctg cttcgtcaat 69540  
actatctcat ctattccttc tgtccatcaa gcaagatgga tattatcatc ctcattttgc 69600  
agatgagaaa acagaccag agaggtcaag tagcttgggtg tggtaaagt catctaatta 69660  
gaaagtggca gagccatgat ttagtccaaa tctacctgcc tcaaaccattc atctactttt 69720  
tactctatca cactacttct catgacacct ctagagaaga aatatttata aagtgggtgc 69780

atagcacatg tcttccctca tccccaccc tggtccttaa cttcagtgcc ccctatactc 69840  
cctgactcaa cagtgcata ttagatgtcc caatgccctg ttcttcaggc ccagcccacc 69900  
cagtaccac ataccagac cagaagctgc tgcctcaat tgggggttat cacaccacta 69960  
tccctgatag gaaactttgg tcgtgggtgcc tcagcattga ccaactgagtc cctgagttg 70020  
tttccttaat cacatctcac atcctccaca gaagatgtcc cttcttatcc caaggcccag 70080  
tttctaagac tagcctctcc tgcctactct gctccaagcc catgttcattg ggactagttt 70140  
cctgctgtgg atctatttcc aagttcctgt tctaattatc tgacttctcc ttgattctca 70200

tgtgggaact ggagccctga cctggccact agtctgacc tctgtgtctg gggctctgct 70260  
tcctgaagac aaatgtccca gatgccatt acgtggactt tggaaatcgta ttctcttaga 70320  
tgtctcactg ccatggccca cccacgtgtt agaacgcttg caacttctc tgggaccttg 70380  
atgctgttca ggttcatctc ttgaggcttg tgtctcttga accagaaagt gtgaggaggt 70440  
gacgtatcag gggagataat ccagatcaga gttgaggagg ggagtcaaga ttagatttag 70500  
ggaagaaggg ttgtatgttc agatctgaaa aagaaaagcc cataaatagg ctgagggaag 70560

agtaggcacc ctacagagtaa agatgggtca tgatgtaggt ttcaaaatgg gtatggcatg 70620

tgatttagga ctaagactgc attcaatgaa aagttttaga agcctagaaa aatcattcta 70680

ttagcttaaa atgccccga tatttgaaaa ggcatattca tgaccagata cccaaccagt 70740

tgctttaaca atagactgac aagtattggg gaaatcaaac cttgtctacc tgtctaaact 70800

tgggtgatat ctgggttgtc tcacctggct ggatgggaac cagtcacaga ttaagatttc 70860

tccgtctctt gcaaggagtc aagcagctgc cttatcagca aatctctccc aaagtgactt 70920

taaaactaaa cttaacccaa gaaggtttat ttaaacctat atataaata gaaatgttat 70980

cattggaatg ttgtaattag gtcctttaaa aatattaagc tgggtgtggt ggcatatacc 71040

tatcatccaa gciactcagg aggctgaagc gagaggatta ctgaacca ggagttcaca 71100

gccagcctgg gcaacatagt aagatcctat ttaaaaaag aaaaatgtat aacctcttca 71160

tctaaagtaa tacatcatca ttgttgaaaa ttagaaaaac acaaaaatta tacaaaggaa 71220

ataaaaatca ccataatag tattactaga cacaaccact ccattgtaat atgttttaat 71280

tttctgtctt aggtaaaaag aaatcacaga ttgaaatgaa tgactgccat ttagtttgta 71340

gctaacacgg taggattctg agaccactc tagatgacga gtgtggagac gtttgggatt 71400

gccaggaggt ttgagagcag gttctgatag tgcaaggctt ttcagaagaa gctgatattt 71460

tctgagaagc aaacaatgtt tggaggattc tctggatcga gagaataac tccttctgtt 71520

caatgtttaa ttaccatctg gcaactgagg ttgtggataa acaaccgtat ttacctgagg 71580

tagcttctat ggattggaga acattcttct ttgtttcact tctgggcaa gggctcttagt 71640

cttatgtccc cctgggatct tggtcagagt tcacctggag agagcatgga ctttggttc 71700

agacaacctt gggcttgaat ccagacagat cactctgagc tccagtctct catctgtaa 71760

atcttctgtt cctatcaag gtccagtgat atgacctgc taggtacctg gcagataata 71820

aatgttaact cgatatgagt gccttttggc tttccagtg tagtcacca gaaccttccc 71880

aaggatttta aagatttagg attaaaaatt cctgcaaag ttctctgca ccatcagcaa 71940

acagggtcct cactggactc actattctgc aagtccaaga aaatcacatt gtttggaac 72000

ctacctcac gtcaacaaag ctgcagaaga gagtctaaga acctgttaag aaaatatgaa 72060

gcaaaagtac tattcacttt taccaagtac ttatgtgtat gttggagtgg agtgggtct 72120

tttgttgtgg gttggtccag tgtatgtggt ttcatgggac taggattggc tagagagaaa 72180

tttctgcct atcataaagg atatggcact attaggaggg actgtagcat aggggaaaga 72240

gcatggacat tatggccaag tagggctgac ctcaagccct agctctgcca ttctgggact 72300

ttggacaggt tgttgaaccc atctgcatta cagtagtttc ctaaggggtg ggtttaataa 72360  
 tgcttatatt tcaagtgttg agggaatgga aataatatat gtaaaggtct tcatcaagag 72420  
 aaagtgtcga aaaatgctat tattattatc aaggctatta ataaccatct agggaaacaa 72480  
 agtccaaatt cagaaggaag tccaggggaat tatctaatta aaggagctga gacacatatt 72540  
 gtggccaagt catatagcca ggaacctcac aacaaaaggg aggaggcaag tacacttagt 72600  
 tctttttttt tttttttttt tttaagacag ggtctcactc tgtcacccag actggagtgc 72660  
 agtggcacia tcacagtcca ctgtagcctc aacttcctga gtttaagcaa tccttctacc 72720  
  
 tcagcctccc aagtagctga gaccacaagt gtgcaccatc acagctggct aattttttat 72780  
 ttttttatag agatggggcc tcaactagtt acccaggctg atctcgaact cctaagctca 72840  
 agcaatcttc ttgccttggc ctcccaaagt gctgggggta caggcatgag ccacatgcc 72900  
 cagcctacta cacttcattc ttacagtga cacttattag taccagctac ctgcaaagt 72960  
 ggtgatgaaa tgatgactat ttttaaaaag gctttggaaa taggaattga ccagggcctt 73020  
 ggcaggagaa gacacctgac cagtgtacaa agtgcaggaa gcaaggaggg agatggcaca 73080  
 atgtgaggct agaggcaggg aggcaggaac tagcctctgt gtaggatttc agtcttgatt 73140  
  
 ctgaaagcaa tgaagagctg ttgaaatact ctgaggaagg agataattat attgtaatga 73200  
 tatttgtgtt tttaaaaggc ctgtggcttg cagtatagat aacaatttg agaaagacga 73260  
 gagagtatat aaagacagtt agaattgagt tacattagtt cagagaagaa atgatgtagc 73320  
 ttagtccagg gtaatatga gaatggtgg agacattcag gagatatttg gaaggaaga 73380  
 tggacaacat ttaatatgg aggatgaagg caaggaagag ccaagggtga cctccagggt 73440  
 ttccgacttg cacaattgga gtaggaccag gttagaggaa agacgggtta tggtaggtt 73500  
 agttattaac aggttatatt tgagggtgtt ctgatatatc aaaaggtaaa tgcaagtaaa 73560  
  
 agatagaaag ttggagatac atgcctggaa ctgagagaag cagccaacac tagaaatata 73620  
 aacgaatgaa tcatctatc agaggtagta attaaagcca tgagttgaat gagatcacct 73680  
 acagataaag aatcaagtc gaacaggaga gggtttacga ctgaaccttg agcaagttca 73740  
 aatttaaagg ccagttagtg aagatgagta gccaaagaaa gtggagagag tggatggggg 73800  
 aagttggggg agggcaccaa gaaggagcta tggcacagaa ggcaaggag gagagtcagt 73860  
 tgagaagaag gatgacatag gatccattgg attaaagcatt gcagaagctt agctagagtt 73920  
 attttgtag tgcaatgtgg cctgaaaata cacagaactg ggttgatgaa taagtgggag 73980  
  
 gigaaggga gacagtaagt atagctacct tattcaagta atttcattgt gatgaagaga 74040  
 gagagaagac cgtaactgga ggggatgaa gatttaagta aggtctcagc ttttttttta 74100  
 attttattat tattatactt taagtttttag ggtacatgtg cacaatgtgc aggtttgtta 74160

catatgtata catatgccat gttggtgtgc tgcacccatt aactcgtctc agctttttta 74220  
 tgggagagat ttgaatgtgc ttaaaagaca atgacaacaa ttcagttgga gcacaagttg 74280  
 aatccagaga agagtaagga gataattgtt agagttggga agaagggatg ggaccaagac 74340  
 agtgtggtat tagtaaaaaa atagtctaac agagcaatgg agtataataa aaagcccaga 74400  
  
 aatagacca cacaatatata gtcaactgat ctttgacaaa ggagcaaagg taatataata 74460  
 gagcaaagat agtcttttca acaaatggtg ctgaaacaac tgcatatcca catgtagaaa 74520  
 aaaaaaaga atctagacat agaccttaca ccctcaca aaattaactc aaaatggatt 74580  
 acagacctaa gtgtaaaatg cagaactata aaactcctag aagacaacac agaagaaaac 74640  
 ctagatgaca ttggatatgg cagtgatatt ttaagtacaa caccaaaagc attatccatg 74700  
 aaagaaataa ttgataagtt ggacttcatt aaaatttaaa acttttgctg tgtgaaagac 74760  
 actgtcaaga gaatgagaag acaagccaca gat ttgaaga agtatattgc aaaagacata 74820  
  
 tctgataaag aactgctatc caaaatatgc aaaaaactct taaaactcaa cattaagggc 74880  
 caggcgcggt gggctttaat tccagcactt tgggaggcca aggcaggcgg atcacttgag 74940  
 gtcaggagtt cgagaccagc ctggccaaca tgatgaaacc ctgtctctac taaaaataca 75000  
 aaaattagct ggggtgtagt gcacacacct gtaatcccag ctgcttgga ggctgaggca 75060  
 ggagaatcac ttgaaccgg gaggtagggg ttgcagttag cagagatcgt gccactgcac 75120  
 tccagcctgg gtgacagagt gggactctgt ctcaaaaaat aaataaataa cgactgggcg 75180  
 tggcagctca tgcctttaat cctagcactt tgggaggcca aggtgggcgg accacttgag 75240  
  
 gtcaggagtt caaaaccagc ctggccaaca tggtgaaacc ccatctctac taaaaataca 75300  
 aaaaagtta gtcagacgtg gtgggtgggca cctgtaatcc tagctacttg gaaggctgag 75360  
 gcaggaaaat tgcctgaacg tgggaggcag aggttatagt gagctgagat ggcaccactg 75420  
 cactccagcc tgggcaatag aatgagactc catctcaaaa aaacaaaaca aaacaaaaca 75480  
 aacaactcaa cattaagaaa gtgaacaacc caaataaaaa atggtaaaag acccaaacag 75540  
 aaacctcacc aaagaaaata tacagatggc aagtaagcaa ataaaaatat gttcaacatc 75600  
 atacgtcatt aggggtgttac aaattaaaac aataatgaga taccactata catctattag 75660  
  
 aatgacaaa atccaacaca atgacaacat caaatcctgt ggaggatgtg gaacaacagg 75720  
 aactctaatt gttgctggtg gaaatgcaaa atggtaaagc tgctttggaa gacagtttgg 75780  
 cagttaaadc taaatafact attgccatat gatccagcaa ttgtgctctt tggatattac 75840  
 ccaaatgaac taaaaatttt atgtccacc aaaaacctgc acatggacgt ttatagcagc 75900  
 ttatttcata attgcaaaa ctgagaagta accaagatat ccttcgtaa gtgagtggat 75960  
 aaactgtggt actttcagac aatcagatgt cattcagtgc taaaaagaa atgagctatt 76020

aagtcacgaa aatacagaga ggaaacttaa atgcatatta ctaagtgaag gaagccaatc 76080  
  
tggaagagct acatactgta tgattccaat tctatgacat tcaggaaaag gcaaaactgt 76140  
ggagatagaa aagattagtg gttgggaaga acaagggatg aataagaaga gcacagagga 76200  
tttctgggcc agtgaaacta tttcatatga tactacaatg gtggatacat ctattatac 76260  
atgtgtcaaa acccataaga tgtataatac caggagagca gcataatgta aactgtggac 76320  
tttgcaggat aatgatatgt taatataggc tcattgattg taacaaatgt atcattctga 76380  
tataggatgt tgatagttag ggagactgtg tgtgtgtatg tgtgtgtagg ggtgaaggga 76440  
cagggaatat gtgggataac cctgtacttt ccactcagtt ttgctgtgaa cctaaaagtg 76500  
  
ctctaagaaa ataaaattta ttaatgtttt tttaaaaaat gaagtggat ccctactcta 76560  
tcatattaaa aaataaactc caaatggatt gaagacctaa atgtgaaagg gaaaattata 76620  
aagctaataa aagaaaatat tggagaatat ctatatgatc tcagtttctt taggcaagat 76680  
cataaaagtg caagccatag gagataagtt gatgaatttg actagaagaa agttatttct 76740  
gctaaatgaa gaattccaaa ggtaagacta acctctgggt gccagaaaagg aaaagatatt 76800  
tgtagatgtt gaggtattca tgtctagaaa atccccaaa acagcaagaa aaagacaata 76860  
gaatccactg gcaagatttt tgaatagaca atttgcagaa aggcaaact gataaatttg 76920  
  
tgaagatgat caaatgtagt aacattaaaa taagatacta cattataagc atcagattgg 76980  
aaacagttag aaaatccagt aataacaagt actggtgagg atatggagga aattaggaac 77040  
actagtcacat ggctgataga ataaaaggta tagctattct gcagtactta gtgaaattaa 77100  
tatgactata cccacaactt agcaatccta ctacattatc aatcttgctg agaaactctg 77160  
atcacaagta cagcagcatg aggttcttca ttacatcaat atttgtggag acaaggaact 77220  
ggaagtcaac taagtgtccc tcaactggaag aatggttaca taaaatgtga tctatgcatg 77280  
caatggaata ctaggcaaca gtcataaaca aattacattt acatgtagta acaatgatat 77340  
  
agctcaaaag tgtaaagttg aatgaaagaa ccattaaaac acaaaacaat tctaaataac 77400  
acacacacac tcagaacaac acaataactt aggagtgaat gctaagtaga ggaggaaaaa 77460  
tggaagtagg ataaaaagta taaagataaa aagtaataga aaatgggtctt tgctttgtcc 77520  
agtataaaaa ttatatgata aactatggag tttaggttac ttatttcctt ttgtctgttg 77580  
tcctaaaaag aaaaggaatt tttaaaagta aaataaatac aatataggta taataattta 77640  
ataagattgt gttttgaaga ttaagtcaga taaagcactt aacttagtgc ctagaacata 77700  
ttaaacactc aatgaatgtt atctagtaat gctatcaaca ctattcatga tacagctact 77760

accaatctat tggagttggc acttaaaacc aattggattt agattacttt ctcccaaag 77820  
 atcctttcag gtctaata ctatagttct gcaagaggga tagggaaata ccacaggagg 77880  
 cccagaagca acaggcagga gaagagatgg aacatccttg gggaatggga aaggctacca 77940  
 tcttgtttgt agcatcatag gaaactttga tggttaattt gggagaatac tgattagtaa 78000  
 atacaatgca cagattaagg aagtaggaac tgcgctagta aaaagtgcta tgaagctggg 78060  
 atactttata tactttgcta tacttctcc aaaagggtgt tttacattt taagttataa 78120  
 aattgtagct gagttatgaa gttttgctat gcagtgtttg atttgatta cccctcccc 78180  
  
 atctctcttc ttcccaaag tgggacacag gtcgttctat tgaaataagc aagatcatca 78240  
 cctagtgggt aattcctcaa agtgcgtgaca caagatttgg tcccagagag caaagatgtg 78300  
 cccagtctgc gtctcatatc aatgttaatt cattcaaca gcgttgactg ggactttatg 78360  
 ccaagcacta ttctggtgcc tggggataca gatttgctaa cataaatga taagtttaaa 78420  
 aataaagtta aggaagtacc aacttagaag ctaagcgcc ctctcaaat gatgttgcatt 78480  
 gtattttatt cccactgggt ttccgtagat catagacgaa gaagaaactc agtttatgag 78540  
 caattgccct gttgcagtca ctgaaagcac tccacggagg aggaccgga tccaggtgtt 78600  
  
 ttggatagca ccaccagcgg gaacaggctg cgtgattctg aagtaagtaa acatggaatc 78660  
 ctccctgca gtttatcaaa gactttgtgg tgtgattgca gggaaaaaa aaaaagtct 78720  
 ttactgagca tcagaaagt gcatcatctc tctgccctcc cttatctgaa ttctcaatag 78780  
 caccatagac tatcattggt gaagtgttcc ataaagattc atttgctaga atctctattt 78840  
 tcatcaaata ggatgattct cctggccacc ctgtctacc agagataatt atattagggc 78900  
 tggtaaagaa aaattacaaa ccagggtgaag ataatctttg actttttcca cctggaattt 78960  
 aacacttttt cttttctcgg aacatacagc acctagaatc cttaaact gcttaggctg 79020  
  
 ccccgagacc cacatgtgac ctccattagc cctgagctcc actttatgat getatcttct 79080  
 tctttgccca tcaaatggc cctctgggtc cacttctat ctggcctct gacctcttt 79140  
 cagtgagtta taatagggtg taaaagggtat taaccagcca aaggagtttt cctctggaag 79200  
 gtagcattat ctcaaacctg tttctccaaa cttatgtgcc acagaatgat ggtttgggaa 79260  
 atggaaatag atgggcagga aatgatttc tgtggtcaaa tgtttgcaa atgctgtgta 79320  
 ctatataccc ttcttacaga ttcataatac tagcataatg aaggttttgc aaagtctgg 79380  
 cgaaaaaaa aaatctgttt aatttggttt caccagtat ttatggtgac atctattaac 79440  
  
 attcacagtt tggigaaaca taggcataat ctattttaaa taggtttgaa gtcctatatg 79500  
 gaatgatgct gagaatgta ggatttcata ccagcaaatt agtcatgggt agatggagag 79560  
 ggttccagtc ctatcatcca agaagtcact ttttttaaat ggaagtaggc actgagacct 79620

tcccaacagc ctttctcttt tttaaactct cgaaggcttt atttatgtat ttggttcatt 79680  
 tgtcaaatat agtcattttg acagacttaa caactgtggt taactccagc ccacccctga 79740  
 ggagatcccg ataagaaagc ccacctaggc atcgcaatac ctgcagttct tagacttcca 79800  
 ctgtgcttgg cttatggaaa aaaccccaca gaatctctga agcatctgtc cattgtccag 79860

actcaccctg cattgtctgg cctccctttg ccgccatctg tctggacatt atttgtttct 79920  
 ttcttagttt aatgcaagct gagcatcctt cctcagattc cttgagcagt ttggctcttg 79980  
 gcattaatct acactggica ttaagaaaaa atcagaattt taaaagatga aatcatatct 80040  
 ataaatgtca atatataaca tgtctatagt atctagttaa aatgtgggag atggccttgt 80100  
 ggaaatgaac aaagaccctt gaaatgagaa cagagactgt gtgttcagag cctgttgtat 80160  
 aacaaggag ttagctgcca ttactagcat ttggcagagt ctcaaagaca ggcagaggac 80220  
 tgggaaagcc ttctagttaa aacaagagaa gactgattgg aggttccttg gcatgaggaa 80280

gctggaggca ggctaactac aagtggagca tcttatgtga ttggtttgga gggcatattt 80340  
 ggcttcctct ggttagttct gaggttgaaag ttggggaggt ggtgagggca aaaaatagag 80400  
 cagttgacag ttctttggac aaatgctgat ttctgtgtc aattgctggg gccagagac 80460  
 taggggtcag agtactatgg tcactgtgat aaataacctt gctattgtct gttagtattt 80520  
 tcactcttag ccagagact gggttcccag ctggccctc agtcccac ccactacca 80580  
 tgacagccca atggctccac agagcctgga gctctaaaga agatgggctg aaaatgtcag 80640  
 atctatgtga ggagccttcc tgctctaaaa gctctcatcc ctctggcca gatctctggt 80700

tttctttgat ttattgttct tacaaccag aagcattaga tctttttggt ggaagccaga 80760  
 aaggcatctc ttgtttacc attacaatc aacgttatgt gtacatatgt ttatccatta 80820  
 acatgtatgg cttattcatt tgctcattct tccaacaaat gcaactgagc ttctattagc 80880  
 ccaggcatcc aggatafaca caatggaggt atattcttga ccttgaggt tcttacaagt 80940  
 caaataaggg agagagaaaa agtcaaccaa tgctttctgt gtaccaagaa ctgagcacac 81000  
 atctagcagg ctttgtctaa ttgtatctc acagaaaacg actccattt tacagaggag 81060  
 gagacaggcc ctggggatat taggcaagtt ttttaaagtc atgaatccat gtaatatata 81120

agtcattgtt ctgcctttct tttatttatt ttttctctga aggaatcata tataagctac 81180  
 aactatttat taaataaata gtaattgtat gggcaggaca taaatgcatt cacctcgtaa 81240  
 aatttcaaac aatacaaaaa gtagtaaaat acagaaaaat acagaataaa gaaaaagtta 81300  
 aagatccatg acatcttggc tggacacagt ggctcatgcc tataatcca gcactttggg 81360  
 aggctgaggc aagcagatca cttgaggtaa ggagttcaag accagcctgg tcaacatggc 81420  
 aaaacacctgt ctttactaaa aatacaaaaa ttagctgggc gtggtggtgc gcacctgtag 81480

tcccagatac tcgggaggct gaggcaggag aataacttga atctgagggg tggcagttgc 81540

agtgagccga gactgtgcc aagcactcca gcctgggtga cagagtgaac ccccatctca 81600

aataaataaa caaacaataa aaatccatag catctctctc aattccagtt ttctacacaa 81660

aggcaataat agaataaatt tggtttgtat gcttttagact tatctctgct ttacattca 81720

cgaaggtaat cataaaagca catagtttca ttctgtggg aatttaaggt tacacaaatg 81780

gtatcatggt atgtcctgaa ctggaatggt ttttactaa ataagatga ttagagatat 81840

gtctgggtca gtacatacaa agctacctct tttgttttt taactgctgc atgtctatgg 81900

tatggatggt aattattcca aagttagtgg acatttagat tgtttctggt gtcttactat 81960

gacaaataat gttatgatga atactctgaa acttgcctat tgagcaaatt tccaagtttt 82020

tatccacagt agatccaag aaatgggatc ataagggatg cacatttata atttatttag 82080

atgtgcccag atttttctcc agaaagcttg ccaacttaaa cactctccct gactgtgaac 82140

aagagagcct aaatctttac ttgtcaatg gcacttggta ttatcaatct ttaagattca 82200

taaagattgt gtgaatggcc cattcatatt ctgtccatt ttttaataat ctgtctttta 82260

aaaattgatt tacacggccg ggcgtgggtg ctcttctgtg taatcccagc actttgggag 82320

gccgagccga gaggggggca gatcgccctga ggtcgggagt tcgagaccag cctggccaac 82380

atggtgaaac cccgtctct tctaaaaata caaaaattag ccaggtatgg tggcatgcgc 82440

ctgtaatccc agctactcag gagggcgagg caggagaatc acttgaacc aggagatgga 82500

ggttgcatgt agctgagatc ctgccactgc cattcagtct gggggacaga gtgagactcc 82560

atctaaaaaa taataataaa aatttaatta tatattaat tttgttttaa tatatatatt 82620

atatttaaaa tatagcttat aaaatgtttt tataaatata tgtaaatata tcttatatat 82680

ttacatacat ataaataat ttgatttatt tagaacatat ttatgtttaa aattgctctt 82740

taggtagtcc agataatgac actttgttgt aaatttcaaa ttttctctc cacctttctt 82800

ttaactttgc ttgtgggtgt ctaatcagtc aaaagtttga aatttttatg taatcaaatg 82860

tatccatcct ttcttttatg aattttgatt ttatgtcttg ttcaaaaata attttctat 82920

gcctaaggct ataaatatat tcccatattt tatagatttt aaaataaatg taggtcttta 82980

atcttcttgg aatttaagt tgtgaatgat atgatattaa taagctacca cagaaaaatg 83040

atggcatgct caaatgagg tgccagagga aagtttaata aggttctatt cacaatggtg 83100

ggggcaaaat aacagtgaag gagggctata caaggagggc ctgaagaagc aaaaggaaaa 83160

ggcagagagg atggggtaga gaggaccacc cttttacagg agctaagacc ttcggttaag 83220

ggaagcaact agcctcaggt accccaaccc tactcctttc tctaattcct tgtggactct 83280  
 ccccttgggtg tggctccaac tacaggaaca cagagcccat tgatataatc tttacggagt 83340  
 attctcagtc ttttaactagg gagcagaaga gtagagcagg tatccagagg aacaaatcaa 83400  
 agatatccac catagatggg aaattgaaat ctacctatit tccccaaat gggtagtgtg 83460  
 ccccatcca tttatcaaat agtttattct ttccttgatg ggctgagatg ctacttcatt 83520  
 aaatgcaaaa tttttataca ggtctgggtct gttctgttga tctttttatg tattcttgca 83580  
 tgaaaccac accatitit atgtgaaaaat ggtttgaaat ggttatgttt tgatagcaag 83640  
  
 tcattgtcct ttagtcttct agttcaaaact gttcatggct attcaagcag atttctaatt 83700  
 cctgacaaat catagaataa gtttgttgtg ttgataaaa aatcattttg ggatttcgaa 83760  
 tggctttgca ctgaattaat agtttcccag aatacataag atgcattctc agtcaaaaac 83820  
 atggaatgtt ccatatitit tttggtcttt cgtatccttc ttaaaatitit gtaattititc 83880  
 ttcattitga ttgcacattc ttgagaggct tttcccccac ataggtaatt tatagtittta 83940  
 tttcttttgt gaatgggatc tttgtcttgt tgtgctttct aatcattgat cccttgtgtt 84000  
 tagaaaagct atcaatitit gtaccttaag ttggaatttg ggcaactgtg aactctcttg 84060  
  
 glagtcttac tggcttattc tttcattctt ttgggattgt cgatgtaaat gatcatatct 84120  
 taaaataatg aatatatata tatacctttt gtttcttttt tatgttttac tttattatct 84180  
 agcacctcta gtacagtatt gcatagtagt attcatgctt attccagatt ttaatgggaa 84240  
 cactatitit cttttaagtg taatattcag tattacagat ttcaaatcag tgcctttaat 84300  
 caagttgagg aagacccttt agctaagaaa ctcccttct tttatcatgtt gaaggtgtta 84360  
 tttgggaaac caaccaacca gtattccatg tgtaagagta aggcaagaag ttaggcacc 84420  
 cagagtatac cagacattga gaaagattca ggtataaac aatgatcctg actttcaaaa 84480  
  
 cactttcagc ctagtgtgta tgtatattaa aatatttatg caaaagctag caaacgaag 84540  
 acagatatta atgggggaca aattaaacat ggtaagagtt cagagaggag atgaatgagg 84600  
 aatggaaaaa tcagagcctc ttggaaggt tagcagttac atcttgaaga cagtgttagg 84660  
 gtttgataa aaggacagaa gggaagaggt tattccaggt aaaaggggtg gataaagtga 84720  
 aaactgaagt gagagcaaac atggcagccc tagaagacag tagacagacc tttcaagatt 84780  
 aaaaagcctt tggggacaaa atctattgct aaatcataga gtcctccaa tgtcaacagg 84840  
 aagagattga acttgattct aaagtagttg agggagccat tagtagttat taaacagtgg 84900  
  
 actgacacac tgggaggaat gttcattaaa aagttaataa gggtgggcca ggtgtggtgg 84960  
 ctacgcctg taatcccagc attttgggag gctgaggcgg gcagatcacc tgaggtcagg 85020  
 agtttgagac cagcctggcc aacatggtga aaccctgtct ctactacaaa tacaaaatta 85080

gccaggtgtg gaggtgcatg cctgtaatcc cagctacttg ggaggctgag gtaggagaat 85140  
cgcttgaacc caggaggctg aggttgcatt gagcggagat catgccattg cactccagcc 85200  
tgggcaacaa gagtgaacc tcatctcaaa acaaacaaac aggttagtaa ggatacttaa 85260  
atctggcagc aaagttcagg acagataaag aggggggatac caactgtgct gcagagccct 85320

cacttgtaaa aaggagcatt tgtgttgttg tgtttgagta atattcctgg gagaaggcag 85380  
cctagtagat aagctgcaca gactgatgaa tgtctataga tgacagctct gaagcccacg 85440  
tagctggttg tttcccttg cccaggagtg ccgggaagga aaatacatag caattatgac 85500  
tttcccttg gcacaaacct gacaccattt ccattttcca tttggatgca aagctttgaa 85560  
catttctaaa ttacagactt tccaggcagc cctccttata gacttctccc tacaaatgag 85620  
cgaccacgca cttaaagttt ccctggcata tgctacaatg ctgcaagaat gctgcaaacc 85680  
atcatagaca agtagcgatt gattaaaaga aaaagccgcc atgagtagaa taaatgttta 85740

cagacccac cagaaggaag ttccgtacct ttcagtctga caaaagtttt atctcatgaa 85800  
gtgatcctct gtttccatgg atttgttacc tttggataga tttccaacac ttacttgtcc 85860  
cttcttgaa gggcttgaga tgtagatcat ccgtctcttg agaacacact catittgtaa 85920  
accattagga aattcattct taggaacag tggttggtaa aaggcagacg taagagacaa 85980  
gagccaggca ctgttctggg tgcactacaa atacttattt catcctcata gcaaccctat 86040  
gaagtagata tgaaggagga agctgaggca cagagagggt cagtaatgtt cccaaggtea 86100  
cagagtaagt gacagagttg ggattcaaac agaagcatct gggctcccaa gtctgtgatc 86160

ttcatactgt actctgcat ctacgtctga tgccacaggg tcaggttgaa ctctgactct 86220  
tctctccctc caacatcatt agagccagat ctgggtcttt tttttatcac tgctctacat 86280  
tcattgccta attcacagac acttcttgca ttactcttac agaaacctcc tgactgatca 86340  
ctctagtacc ttacctctg gtctctctca cgttggtata agacttgctg tctcaggec 86400  
catctgagtc acaccactta cctaacactt gaacagggt cccagcacc ttcagataaa 86460  
gtccaaatcc tgatcagagc atataagggt gcctatgacc ttcaccaggt tctcaccag 86520  
ccttccactg catctctctc tctgaactct gaatectccc tagcctttct tgtctgtcca 86580

ttcctttggt agcacttact gaacacctcc tgcttgagg cagtaaggac acagaggctg 86640  
cctttgaggt tggcacagtc tagggaaaat catgaacata caaatgggt ccacagccct 86700  
tcatccacaa actgaaatcc agaaagctct aaaatccaaa agatttttca taactcattt 86760  
agggccaaaa cctgccctaa actgcctcaa agttacgtat ggtctttttg tgtacatatt 86820  
aatgtgtttg atggtagat gctgtcccag accctgatgg gggcattaca agatacatgg 86880  
aatgtgtact atattattca aaatattctt aatttcaaaa catactgtgc ctcaggtcta 86940

tcagagaaag gaccttggcc ctgtcgatgc aatccagggt gggaaattca gtaatggaag 87000

catcactcag ggtgcttagg cagccctctg gcaggactgg gtttcatgta aatgttaaaa 87060

agaagcaact catttcttgc tagtgaaata acctattccc agctgcagct gctacaagat 87120

atgagaactc attcaatgtt tctcaccacc aaagaataaa gtcaaaattc cttaacatga 87180

tgtctaactc tgtatatttc tagccacctt tacaacctta tttgtaggaa ctctctccca 87240

cacaggactc tgagcttcat aaaggcatag atcaatttca ttcttctttg tggtcataat 87300

glaggtcagc aaatcacagc ccatgggcca aaactgggcc attgcctgtt tttgtaaata 87360

aagttttatt ggaacacagt tacgttaatt catthgtgta ctgttagagc tctatcaagc 87420

tatagtagca gaacttaaaa gttgcagtgg agaccatag tcctgcaaag cctgaaatat 87480

ttatctggcc ctttatagaa aaagtttact gactcctgtt ctaatgtaca ctccagcatc 87540

aggaactcga aaattattga ttcttgtcct aggttcttct aaaagcccag ctgagaccta 87600

agttttataag caggtagttt atttgggaaa tgatcccagg gatcaagagt gaagggtggg 87660

ggtggtgatt tggtaagtgt ttattgactt ggccaccact gcaggccact ggtgtttgac 87720

cccagttggg gcctttggag aaggcttatg acatgtgtct cagaacagtg tgcccagggt 87780

aaaccgggga agccactatc cattggcctc catccttcac taatcaaagg tggccccata 87840

gcattaactc tcttccactt ctgagatgca tacatgtgag tattcttaag attctgaaca 87900

cttgcctcag catcagagaa gctctgggac aggaatcaag tggtaacca tgcaggcaag 87960

acgtgcacga tcccattgca gtgggggcag agatgggtcaa gtctgtacag agttggtcac 88020

tgcaacagtg gttggagtca gatttgtgct gagaggatgt gaagagggtg gtagagtgc 88080

ctattatggt ctgaatatth tgtgtccacc ccaaaatcca tttgttgaag tttaatcccc 88140

atcgtgatgg tatttggagg tgggaccttt gtgctataat tagatcaaga ggggtgaagcc 88200

ctcaaaaatg ggattagtgc ctttataaaa agacacacag ggagagatgt ggtggctcac 88260

acctgtagtc ccaacacttt gagaagccaa ggtgggagga tcgtttgagt ccaggacttt 88320

gagaccagcc tgggaaacat agtgagacct tgtctctaca aaaaataaac aaaattagcc 88380

tgggtgtgctg gtgagagcct atagtcccag ctactcagga gactaagggt ggaggattgc 88440

tggagcccag gagattgagg cttcaatgag ctgagatggc accactgcac tccagtctgg 88500

gagacatagt gagagcctgt ctcaaaaaaa aaaaaagag agacagggtc tcttctctct 88560

ctctgtcatt cactatgtga ggacaggagg agatggccat ctttaaacca tgaagagggc 88620

ctttacaggg cactgaatat ggtggcacct tgatcttaga ctttccagcc cccaggactg 88680

tgagaaataa attctgttgt ttataagctc ctcagtttat gatattgtat ttgtttataa 88740  
 cagcctgaac agactaagac agtgcccaat acattgatta atcaataat aagtagctta 88800  
 tattttattgc taaccactat gctaaatgca ttgcatgtct tatatatgtc ttatgtaatt 88860  
 ctcataaaag ccctatagaa ttttactat attattccca tttgtttcat aagagagctg 88920  
 atgttttagac agttgatgta aagtaatgag gcctgggact tcaactcact tctgcctgac 88980  
 tccaaagccc taatcaccac taagctacac tgactaagct tgactccct cccacagct 89040  
 cctgcccacc ttctgcctca gtaggtctgt caggagtagg acagagctct tcctataacc 89100  
  
 aggggttggg ggtctacctg tgaggtgaga tatgtttccc caagtgagga aactaaatgt 89160  
 cacttagaaa atggaaaaca agcccaggga aactggcaag agaaagactt gttagtggga 89220  
 agagaggatg agtattaaga agcaattagc tagcactcat aatactttgt aatttcgtag 89280  
 ggctcactaa ctctttttat cttcaaagaa agtaacagaa aaccacatgc aatgactccg 89340  
 tgttgtattt agaggaaaat ggcagggtta ggaggatctg atgtggctgg ggcaagctt 89400  
 accccacagt tttctggca ttaggtagca agaggaacta caggctcctt tgttgtaagt 89460  
 cagggtggtt ttacttcagg cagcctagaa cctcaggaac cctgaccagg gaggaagcaa 89520  
  
 ggagtcaaca gaaaaggac taggaaacc ctgaaccagc taaagtgtca gattcttggg 89580  
 agagcagttg gaaagaccaa tgccatggct aaatgaaaac atgtgcctga ttaggaagac 89640  
 tcagatacc cagaatctgc catecaacag gtggaatcca gatgccagag gttctcggga 89700  
 tgccagtggg agcatggctc caggggatca gtccaatggc agcagagttt cattcaacag 89760  
 ctgggatccc aggtgcagga tccagcccc aggggagaaa actggaaaaga attaaatagg 89820  
 aagtacaggc tgccgaggaa caggccctag acagagctct aggcacagca gtaaaactgaa 89880  
 gcttggtggg aagactaaag cactgccaga ttgcaccaac atcgtgggga tcctgggatt 89940  
  
 gactgcaact ttgttggcat gcaagaacac atggcccgcc ctatttgtga gctagcacca 90000  
 ggtctatggc agcaagacta gttccaatcc tcttcactg atggagtggg agttgccaat 90060  
 atattccctg ccctggtcaa gttgggatca aaacggaatg tttcaaccct atgaacattt 90120  
 ttataattga ggttaaattc acataacata aaatcaacca ttttaaagtg atcaattcag 90180  
 tggcatctgg tacatttata atgtgcaacc accatctcta cctagtctta aaacatttcc 90240  
 atcatttcaa agtaaaacc cttattcatt gagcagtttc tcccattct cctctccca 90300  
 cccagcccc tggcaatcac caatctacat tccggctcta tggacttacc tattcttgat 90360  
  
 atttcatata aatggaagca tacaatgtgt gaccttttgt gtctagcttt ttttactta 90420  
 acataatgtt tttaggttc atccatgttg tagctttatc actactttat tcctttatat 90480  
 agctgaataa ttccccattg tatggatata ccacaatctg tttatccctg tgaacatttt 90540

taacatgaga tgatcaaagg ataaaaatga gaacttttggg caacagtga aaagtatcat 90600  
 ggtattattc ctacattaac ttttcagtcc ctattttttt aaccaggaga taattggcat 90660  
 gttgcctcac acctaagtcc cacaccatcc ataggaagga cagtaatgac tccaaacaag 90720  
 agtagaaaag gacaaagaaa tgggttttaca cctactttgt ctttcagggt cacaaagtat 90780  
  
 gaaacagcct gtcccaaaaa tgggttgatt agatctttgg acaccagtg tgtgaccaca 90840  
 gtgcaacaaa gtcatafact tgggcatttg ttccttcac tggaagaagc gagggcagaa 90900  
 gccacctgaa ggtcctcagt gctgtggaag atggcattcc tctatagatg ctctcctgct 90960  
 ctaccactgt tcatttctca ttaactaatca aataagtga cctgagttat ttacctcct 91020  
 gcaagcctgc tcacaacaaa gaatacccaa cctaaagtca gtgaacaata agattgcata 91080  
 agaagaaaga atgtaccaca ctccctccat aattaattat tgtgggctga tttcagctac 91140  
 atttttcctt gggcattttc ctaacagttc atatttaaca gtccctggaa gccaggaaaa 91200  
  
 cagaggagaa aaagctcctt tatgtcttag ttctatgcta ttcataaatg aaaatcattg 91260  
 ttaatttaga gtttgacagc tgtggtgcac ttgtaagtcc agggcagctg tcatcagcac 91320  
 tccagtttat ttttcaagca catgtttaat ttgacttttag cgctattgcc agttcttaag 91380  
 gagaaagagg gggaagcaga aacagaaata atcattatct tcatcatttg gtttcctttc 91440  
 aaaatgtaaa tcggcatgat taacaatgat atcagaattg ctctaattgc agttttgggt 91500  
 gcagaactag ttagctatca tctctacat ggtccaaagt ctagttttct tttctttttt 91560  
 ttttctctcc taaagtcaga ggggtgtttt tggttaattac acgcagactc tgaacaacag 91620  
  
 tcccagctcc acagaaaagc cttccaaagt gcagaagaaa atcaaaaatc aaggaatggg 91680  
 gaatgatggg ggtgactagg ccacaatccc agatgaaagc cacaggctga gtcttgtctt 91740  
 gtggctctgg aatcaggaaa ccagcgagag caatcagagc ccttgggaaca gcagccagga 91800  
 tctcccgctc ttacatact accatgcttc tgcggccagg cagctggctt tgtacaggt 91860  
 cacagtgtgc aaatcggctc caaagtataa aattaacac atctgtagct ccacgtagaa 91920  
 atctgatgag tcagtatgta cttgatcggg cccactgttc cagtcacgt tgcctggagg 91980  
 aatcttctt cgcaccagct gtgatgctag ctaaaccac ttctggatc tttcttcacc 92040  
  
 ctcatTTTTA tatgtgtggc ttccggaggt ctcaattggc ctttattttt tgccatctgt 92100  
 catgtgtcca atcacaatgt cccaaagaac ctctttgaca ttgcctctgt agtggggaca 92160  
 gtagatgcaa taacacactc ctatctttct atttgtttct ttgtacattg agatgaaaga 92220  
 ctgccttgcc ttcttcatca gtcaacatct cgatatgtgc tatgctaaaa aagatccac 92280  
 ccaaaggaaa actttggcaa atgtcctgga cccagctct gaaattaaag tttgatagag 92340  
 gaacaatcta caacttcacc cttctagtgc cggaggatcc tctagacaga actaaagatg 92400

tagacctga ggggcaagtc tgactcctaa aagggtagtc ttccgtcttt ttaaatggaa 92460

agatattattt gtagattatg agatcagaac taattcttcc ttaacgatag aaagaccagg 92520

cttctgccag gttaacgtcc caagaatctg tgagaatcct tagggaatta taaacatgta 92580

ccaaaaacta ctggctgttg cttgttgctt gccaccttgg ccatccacct ggggctaggc 92640

tctggatctg ttccgtgggc agctcctctc cctgcctttg cctcaagctt ggactccagg 92700

ctgtccatta gtaccacat tatggttagg gccaaacagc aatggttaat aagatgttga 92760

ggacttgggg agtgcctcaa agtcctcaca gagatcctac ataactggac taagggttgg 92820

ctgctcttag gccacagagc ccaagctcat ccttagaggt tccctgctct cagctcctgg 92880

ctgtctcac acaagggtggg caccaggctg cctgcctaac cccagtggcc tctttacttc 92940

tccttcaaag attacccttg tacaagtcct aggttgcccc aatttccaga cctaactccc 93000

ctccacacta gtttgcctag cattgtagtt aagaaggtgg acttccaggt caagtgatct 93060

gagattgaag tctggcatta ccacttacta atgacgttag gcaagtcatt ttagacaccc 93120

agtgcctcag gtgcctcccc cataacatgg gggtggtaat attaatagta tgtacctacc 93180

tcatagagtt gctgagaaga ctaaatgagt tagtgcatgt aaaattctta gaacacttcc 93240

tggcacagaa taagctctaa acaaggctat attattaatg ttgctgttat tactattgct 93300

ttacatttgc aataaaacaa agatcatcat gtagatgttt cctaagacaa agaagtggtc 93360

taccaagaa gtgaatttca gtttctggta ctaggacaa aaactgtaca ttttaaaggt 93420

cgtttttcaa gcttcaaaaa ctgtttagtc aactggatc tccatttctt ttacttgctt 93480

gctccttgcc acttcccata aagaatatga agtggcatta agaaaaatat aaaacaaagt 93540

ggtcgtgtta aattaaaaaa aatcaagacc agggaaaaac aacattaaaa tataacatcg 93600

gctgggcacg gtggctcatg taatcccagc actttgggag gctgagcgag gtggatcacg 93660

aggtcaggag attgagacca tcctggcaaa cacggtgaaa ccccgctctt acttaaaaat 93720

acaaaaaat tagccaggcg tgggtggcggg catctgtagt cccagctact tgggaggctg 93780

aggcaggaga atggtgtgaa cctgggaagc ggagcttgca gtaagcggag atcgcgccac 93840

tgcactccag ctgggtgac agagcgagac tccatctcaa aaaataaatt aattaatcaa 93900

ttaaataaaa tataacatca agacaggagg aagatctaaa gcatgctaag ggctctaaat 93960

tctcatacac ttataagagc actggattac aaccattaa ataaaatgga aataaactaa 94020

ataatataaa taatataaat aaacacatat accagttaaa caagtggatg gataattgga 94080

aagtttgata aggaacagga ggtttctata atctcaaagt acttgccctt gaaatactta 94140

atcactaaaa agggagaaaa gcaagaactt tagaatggag aaatctggca gccacctgta 94200  
atgtgtgcc a cctgatagga tgcaatgaga agaaaacgac acagtggcac ttctgtgata 94260  
ttctgtctag agatgcataa cctgaatcta attatgagga aacatcagac aagctcaaat 94320  
at ttacaga ataaataaca tgtaatcttc aagtttcaaa gtcaaagact gaggaagatt 94380  
ctagattgaa ggaaactaaa gtgacatgaa atctaaatgc aacactgtga ttctaaacta 94440  
gatatattat ctgcaacaga acaattgttg aaatgtgaat agggttcgag gattagatat 94500  
atcaatgtta tctaattctca tgggttatatt gtgggttaaat gggagaatat ctttgcaaga 94560

attacacaaa aaaagtactt gagctgatca gcatcatgtc aaccacttac tctcaaatgc 94620  
ttcagggtaa ataagttttt tataccgctc ttgtaagttt tctttaaggt tgaaatgggt 94680  
tcaaattaaa aagattcagg gttgccagac acagtggctc atctgtaatc ccaacaattt 94740  
gggaagctga ggctggaaga ttgcttgaac ccaggagttc aagaccagcc tggaaaacgt 94800  
agtgagacct tgctcttaca aaaaaaaaa acaaaacaaa aacttaaaaa taaaattagc 94860  
tgggcatggt gatgcatgcc tgtgttccca gctactaagg aggctgaggt aagaggatca 94920  
ctggagccag gaagatagag gctgcagaga gccatgattg tgccactgca ctccagtctg 94980

ggggacagag tgagacctg tctcaaaaac aaaaaaagga ctcgcaaaa tcaggggggtg 95040  
ttgggggtga gaggaaaaa gagctatatt gacatctttc cttccttcct ttttttcttt 95100  
tctcctggc ttttttctct cagaaggttg ggccaagatt ttgatgagaa gacactgggt 95160  
tcaatcagga aggcaggcaa ggacttgcca gacctgaggg gctgagctga gttggttcgt 95220  
tcagtgatec ttctgtagt gtgtgtatata taagcacctt catcacatcc caagtgccat 95280  
accagacagc aaggatacag agctgagcag gatgcagcct gtgtgaccgg agactcgcag 95340  
agtgggtggga aatgagccag tcaacaggca gcaacctcat ggtgtgaaag ggcctccccg 95400

agagaagcac agggcggagt tgggcaggta cccatcctgg ttgagggtgg tgaggaaggt 95460  
ccagacagca gtggcaaaag gcaacagatg aagggaagca gcggaacag tgtgggattg 95520  
tccttagacc agagaaggca aggaacatta ggggacctgc aagcagggtg agcaaggagg 95580  
actgtgattg gggcgaaggt gaggccatgg taaggagtgg gtgctcaatg aatgttcctc 95640  
tttttctgta ctttcttct cttctttatc gcttctttg ccaaaacatc ctttctttga 95700  
gcattcagct gggatttct ctaatttttt aatgacagta acaattgcta aaatattgtc 95760  
ccacaatcct ataatgcaga tactattatt tcttccattt tacagagaag aaaattgaag 95820

cacagcttgc tcaacatgat atagtcata agtagcagag ctgagatttg aaccctggac 95880  
agtctaactg ttagtcccaa gcttttgatc taccacaatg ccagagtaca tctttaacaa 95940  
ggctgaatcc tcaggggatt atgtctttta taaagtgtct tgagggcctc aatagttcta 96000

taactagagg ggtaaaggga gtggggatct tacaagctgt gtcgtttggt gcatcttacc 96060  
 cattccagcc acctccctc atcccactca ctgccttttc atgcctgccc tgttatcagt 96120  
 tgtgtgggac ctgcaatggg tccagggaaca caggcagcct gggctggacc agtgagggtt 96180  
 ttaccagggg tggctgcaga gtcagcacag ctcatagtgg aggagggaaa caaagggtca 96240  
  
 aatcaaagaa ggatcaggtc caaagggcc tcaaggggaa aggcgtgtgcc cagcaagaaa 96300  
 ctgggcacaa agttgggtca aggtgagctg ttcgggatgg aaactgaata aagcaaagtc 96360  
 aaaatgtaaa aggtgaaaaa ggctcttttg catgttgtct caggcaggag ggaatgggaa 96420  
 acatactttc caccaccgta gacccccac tacccttca gggctcaatt atttattgga 96480  
 caaatattta gtgagcacct actatgtgcc aggctaagtc taggaactgg ggaggaaagg 96540  
 agaaaaaca aggcagagag accagagggg ctggcacatg aatattcatc tgagaacctg 96600  
 aaatgccaag ctttctttgg aaccaggtg catttccatt ttccttttag cccctggaac 96660  
  
 aaagccagga agtgacagag ttactggctg gggaagagtg tgggaggag ggaagagcaa 96720  
 gttccccca gcagccgtg ccacagtcac ttctaaaaca ggtttttaca gaaaagcctg 96780  
 gttattccat tattctctg cagccaggaa aaatccccct ttcacacct gcctggtgat 96840  
 caatacagat gcttctgcta attgtgtgt caagaaggtc cttgactggt tctaagcatt 96900  
 ctgttaggca aagcttcccc cttgcagggt ggttttaggg tcagacaggt caaggttga 96960  
 atcctggctc taccagctc gagcctgttt tctccttat aaaatgggaa tcaggagcaa 97020  
 aggcatagga agtaccctt tacattttta aaagtaattt agggtttgca gagcaccttc 97080  
  
 cgctctacce ccccaactac ttttctagg tcaacatcat aataattgtg agaaattgaa 97140  
 gtcagagag gtaatgtgat ttgaattgga tcacacagac cctgagtata aatgtcaaga 97200  
 tatagaaact cggccttcac ttttaaaata gaaatgattt gctaggcttt tgtacatttt 97260  
 cttttgtgat ggtcaaaatc tactgcctaa taccaaggat acctacatac tatctaatac 97320  
 ccagtagttt tagctgggaa tttccttgac aaatggaagg caggagagcc cagtggagaa 97380  
 gggatgggt tgtggagta aagtgttggt gctcctaate ctggactacc tcttaacagc 97440  
 tgaacttgag caaggtactt gatecctcta tacctcagct tcatttattt gcaaaaggag 97500  
  
 tactacctac ctcataggca ggagaattaa acgagataac cagggtattct tggccctggc 97560  
 tgcatttgg aatcacctga gcagctttta aaacttacct gtcctttggc cccacctctg 97620  
 gaaattctga tctcatctgt ctgggttga attagggcac ccaaatgatt ctaatgagca 97680  
 accagggtg caaacctgg aactaaataa aatgtctact acagagtgcc tagcacatca 97740  
 caagcactca gtagatgcta gttatcactg tcatactggt tgggtataaa accaaggcat 97800  
 gtgggccaac actgatccat tgggtaccaac atccagtagg tcccagttac tgtgccatgc 97860

actgtgggta gatacaacgg tgaacaagag tgagtctcta ccttataagg gtttcattaa 97920

tctcttagtt tggtaaaaaa aaaggcataa atatgagaag ttataataaa tagtgacaca 97980

aggtttaaag gagaaggaag aaggaaagat aaaatttttc aagctcctat ctcattgctag 98040

gcacatttcta caccaacgta gttcattaat gcacacagga gccctataaa gtagatatta 98100

agctcaattt gtgggacaga aaactgatgc tcagggaaga aattcaccta cacacaaaac 98160

agctagatcc agaataaaat tttatctgcc tgactacaga ggtcttttcta ttgtaccatg 98220

tcttttagcac actgatttca tgggtattat aagaacaagt aataagctgg taagaattag 98280

aatgtagaag gttcaagtcc ttatgtgtgt gtgaatgtac acaactatca tctatctgtc 98340

attctatgta tctatcattc tatccaattia tccatccatc cacctatcca gtcattctaat 98400

tctgttatcc atcattgggt gtaaaattag attttcagct taatcaaata tttcagttaa 98460

taggtcaagc ttttaaatca ctcttaatta attctccatt ttcttcgata aaattaaaat 98520

attagcatta agccaaacaa tatacacatt ccagtaaatc atggaggaat aggattgctg 98580

atgttattct ttaaagtgtg ctaatggtat cagactatct aatgtagatt aactaccagg 98640

cctaaacagt aatacaata gaggaaaaca aaattaacgt gattaaatac acttggaggc 98700

tatttagtca acagtcatg tgcagacatt tgcagctgca gtcctaaaag ctggttctct 98760

tctcagctgt cactaattaa tgcgattttc ctaataacag ttttctgata gacagacagc 98820

atcaaatcaa aacaacttca tttttatgct gatgaggcct aactactgca acaagagccc 98880

aacagatgca aatggcaatg ttgctaactg caggcttgca tgtggtctta atcacacaca 98940

agttgacat cagtgtctga agtttattgc acaatacat gggatgtggg agagcttggc 99000

tagttacatc gtcacatcag ccttggtagt actgggtcac agtgggatat accacagctc 99060

taggagaaaa gtgctctaga caattgtcca ttgctccgga cctacacctg tgtaagtac 99120

tcatcttccc ttaatttgac tgacatttat ttttccaaa agacagaatt caagcaggcc 99180

ggttcacatc attcaatatt cagaaccctt gctgggcagg gtcagcagga aggcaacccc 99240

aaaatggcca gcatccctca agtctaatat ggatgacttt ggctcaggca ttgatccctg 99300

gtgtaatcaa ttgcagttaa tcggtttctc caaagcatgt tacataaatc ataaatattt 99360

atggatcaag aaactggttt acatttccta agaagggtac tagacacatg gaaggccagg 99420

atttactacc ttttctactg acaaccagta caatagcatc gcaaactggg ccaatcagt 99480

gcatttgacc tcigggcatg aggaacttct ggtcatctct aggggagctt gaacagagaa 99540

gaatccaaat tggcaggaga gtgaattgta gattttcaag accatgtcag cccagagaaa 99600

cactgtacat attgatgcct ttggatggag aggcattaaa tacagtgcaa aatgttatta 99660  
 ccaaaagatt gttgccaaat atcctccgag gataagaatt ctgctagttg actttcttga 99720  
 aatgcatctc actttataat agaaacatcc ttcacatgga gatatccaga aagctaggga 99780  
 aatgtacatc ttaatctcat ggcccagact catccattta caaacaagc agtgaccagg 99840  
 acaaagacc tggaaaaagt ttggggccac cacactgtga gggtcagct ccaggagggt 99900  
 ctgttgtgtc gcacatgga ggtggcaact acctggtttt gctcttgttc ccttacacag 99960  
 atgaggagat agagacttcc cctccttcc ctctttttt cctctcttct cggtgatttc 100020

tacctatcct actttgtaaa ggttttaagt gttttcaagg gacacattct ctgaagttca 100080  
 actccctcat gtctcccaga tgtgcaacat ggaaatgtac atgttacatt gtcaacctta 100140  
 ggatatagat tttacttat gtattgggtt ttaatttatt ccttgccaac ttgaaaacaa 100200  
 ttgacgtac ctgttttcc acagacgtc cagaatgatt ccaagtctc ccaacataaa 100260  
 catgagtggg ttaccattaa aataaaaaaa attcatcatt tacattctgc tctgcattaa 100320  
 aatgggatca cattaatttc tttccacat tattactaa gaaaactaga gttcttggtt 100380  
 tccttccttc cctcccttcc tcccttctt tttcttccc ttctccact ctctcttct 100440

tccttccttt ctgttagctg aaaatatttc tgtgagaaag attaggaaac aggacagatc 100500  
 atgtccggat ttgttagctt acatatggtc tcatgctgtt gcccagaac tctgtgaggg 100560  
 tccaagatga ctgtggctta cgtctgatga gcttatgcca cataaggatg aggtcagatg 100620  
 ctacaagagg ggcacagaca ttgaaaagaa gaaacatggg gcaactcaat ggatgagcaa 100680  
 agttgaatgc gttgtcagt cagcaagtgt ctttttata agaaagctct gtgcttggtt 100740  
 tcacctctg gtgtggaca taccatcatc ctgctgattc ccaacattgt gaagggattt 100800  
 tgagttcagc ctccgtgggt ctttttgaga acaatgggtg ccatcagcca aactgcctag 100860

cttggtaaaa acacagaagg cataaacagc ctttatgcag tgggaaatgt ttcattgattc 100920  
 agaccagtca ctgtttgtg atcacacagc actctgggtg gcaactgtaa tacagaggag 100980  
 tttgtgttc ttgccagatt gtggacatat ggcagacact caaaattatg tgttgaatat 101040  
 aaaagagttg aattatgggg aaagtcagtg tattgaaaat gtatcacatc agcacacctg 101100  
 caatgtttcc ttaggaaag ctgagtcca aatgttagag ggtccaccag ggaataacaa 101160  
 ggttcctacc ctcaaaaagc ttggaattca ggcagaaatg caaaatataa acatgcaata 101220  
 aatcaaagga taatacaaga tattaataaa agttcaagca aacatcaaga gtaccaatg 101280

cctgaatgcc aaatgaacag taacaacaaa ctgtgttcta gaagtctggt ggagggacag 101340  
 gtcacttctg atggtctggg ttaatgcggc tctgaggagg aagtgagatg gtgacagatg 101400  
 attgggatct gacgaggcag agaggagggt agaagtgagg aggagacatg tgacacacat 101460

ccacacagta aagctgaatt caggtacttg gggagggggg tatcagacct gaaaggtggc 101520  
 ttgcacccca gtgttcagaa ttgtggatgt ttagccaaga cttcggacta taacctgtaa 101580  
 gcgagagagg agcctttgtt tagagaggac ctactgtgtg ccacaccctg tgctggggtg 101640  
 tggtagaggt tgggggtggg ataattagga tgtggtgcc a tcgttgctaa caatgtgtga 101700

aagaaagtga taatgaagag gtgatgatca gtcccctggc agagcatagg taaatgggat 101760  
 gggttggcaa ggacaggaga ccattaggag gttactgcag taattaacca gaaaatcctt 101820  
 cacttaatct tctgtgtgtg tccttctta gggtaggta gaggggagtc aggtgggtac 101880  
 tagcaggcat gaaaatcaag gcttctactt tagacacgtg ctcttataga atctctcccc 101940  
 aaagcaatgc acatgcttac aattttgcat atactttcca tacagttttt tcaggggttc 102000  
 aaagatcctc tggaaccaat catggtctat gaggtcctag ctgagaacag tgacccccct 102060  
 cccacacctc caaccccacc taaagagcaa gcatctccca acagccagtt ctactactct 102120

acaggatgct cccatttcca cagcagaaaa cctgagttag aggaacaga aagaaggcag 102180  
 gtggcccgcc ctcaaggacc ttgctctgtc acctggattg tttccttaca cctgagagga 102240  
 cagtgtctct gcagtcagcc ctagtttgca ggaaccaca gaagcgggag gaggtgaag 102300  
 ccaaggcaaa gtgggacgaa ctgaggagag taatgacttg catgaacca gccaagaggg 102360  
 agcttgcaat gtggcagcat ttctcttcc ttagagctg gggcgattat atgattacac 102420  
 ccacggccag ccacggagca gcaaggactc agcacagaac accggagaaa cccaagagca 102480  
 acacttact ttctatttct tgttttccag ctgagacagg ttctattttg gatcagagca 102540

tagtctggag agaaagcagt tgaagtcttg ggtgcttga ataaaaattt gaccttaatc 102600  
 tttaggaaaa aagtgtatat cttagttgga atattttatt aaatggaatg acattcatgc 102660  
 ccttctcgct atctactgtc atatatcca gacctaatgg tgattcttaa gctttgtggg 102720  
 gtcaggaacc cctttgagaa gcagatgaaa gctatgaatt ctgactcaga aaaatgcact 102780  
 tgtgcacatc aaacaaaatt tcatcatcct aaacctgtc tgcaaaccct atgttaagaa 102840  
 ctccaggttt gataagcctt ggccagatcc tctgttaggt cctaggaatg caatgatgaa 102900  
 taagacacta gtcctggac tcaaggggct ctgagtttaa ggaagtgttg tttatagatg 102960

tgaagaggtt ggcagggaga gccaggaggg tcaccgaata gcaagtgaac tgtaagaggc 103020  
 attaatagtc accagctaaa caatgtcata gagacagcct gccagttgtc ccttgactag 103080  
 taatacccca ggiaccacta atcaattgca aaatgctaag taatgtgcta aggctgattg 103140  
 aaaaataaaa gtaatttttt agtaacatca aactgaaaaa taaaagtaat ttttcagtaa 103200  
 catcaaaccc cttgttcatg tgttattaa agaaaagatt ttttggtta atgatgtatg 103260  
 tgagatactg ccttcacccc aggctcaggg attagacaaa tatctctttg caaggttaag 103320

aaataccatg gataatttca accagaggaa gaaaaccatt aagggtcaaa agacgtgga 103380  
  
 aaaaaaatt gatagtttgg tttaaacaac ttatagaaaa tgagaaatag tcctgttaac 103440  
 tatctagaat tgctgcctg tcagagcttc cacaaccggg actacctcct gcagcctatt 103500  
 tatttcattc atatgagttg aagagttttc caacagctga caaatttcca gccagtgatc 103560  
 cagcaggtag ccctaaggat ttccgctctt tcctgagctt caccttacag gcatgtgaaa 103620  
 gcttcctcca gagagaaaaa aagtatttcc cttgcttgtg ttttcctgtc aaactcctac 103680  
 tcacaacccc caccaccctt ttccittaca gccacatctc tgggatgtaa acttgaaggc 103740  
 ctgacccagc acagggaccc tctggttccc aaatccaagg ctttcttata aggccttgtc 103800  
  
 cacagctgtc ccctttctcc ctcttctcag tctcttctga tgaaggcat ccctgcccct 103860  
 cactcccacc aaaaaccgtc agtgtgggag caatagctca cacttgtaat ccagcactt 103920  
 tgaggggctt aggaagcgg atcacttgcc aggaattcga gaccagcctg gacagcatag 103980  
 caagacccca tctataccaa aaaaaaatgt aaaaagcagc caagcatagt ggcaggcacc 104040  
 agttgtccca gctactcagg aagctgagcc aggaggatca cttgagtcca agagattgag 104100  
 gctgcagtaa gctgtgttca tgccactgca ttccagcctg ggcgagacag tgagactctg 104160  
 cctcaaaaaa aacaaaacaa caataaaaga cctccaacag ctccccagtg gtgcaacctt 104220  
  
 gtggcctaca tatgggacca gacagagcct gactcctcct ttctctgaa ctgccctccc 104280  
 tatatccac catgcctctt tccatcagtt aggcacacat ttaagagcag cattcattac 104340  
 aaaggttggc tgatgatggc ttcaacaaat agaggtttat ttttccata ccacaagaag 104400  
 ccccagggtg agtgactgct ggtattcttt cagcagctaa atgatgtcaa ggccagtgtc 104460  
 tttgtgattc ttcttggcct ttcttcattg tagcaaaatg gcttgccttg ttccacacat 104520  
 tgtgtttgta agggaaagtc catgtgggtt catttgtttt tcttacctgg gaagcaaac 104580  
 ttctcagaa ggatctcttt taggtgtgca gctctactgc gaagtctctg tccctggttt 104640  
  
 tacagactta gtctcttcca tcttgcaaac ttcccgttat gttactgagg ccacatgtgg 104700  
 gtcacatgtc ctaccaccag cagcaaggaa ggctgggaaa gcaggaacag gactatcatg 104760  
 actggcatgt ctgatattac cccaacaaa atgacagctc tgcaagtggg gaagatggag 104820  
 ggaatggatg ctgggtagac gccaggactt gctgtgcagt gttctgattc aacagattac 104880  
 gtcactctcc tgtcaggtag gcaactatct ggtatcacac aaacaatagc ttattcatct 104940  
 ttgtatctct aagtcctaac acagctttgt ggcaacttact ctgttagaca aacttatgag 105000  
 taaatgaatg tctgtctggt tttaatacct ctacatcta aagtagttct ttttaaaaca 105060

caatccagtt ttattcttgt ctttttatat ctcttatatg aaaatcaatt catcattagt 105120  
 tttccattgg atttgggcag acgggtaagt tgtaaagtgc tagagtaatg gtattgacaa 105180  
 gttatatgat gaagttgaac aatatgagag aaaatgggat catggtaacc ttgttatccc 105240  
 taggtcagtt taactattga agaggaaata aactgagcac taaaactagc tttccttttag 105300  
 tttttattaa aatcagaacc agggctttgt agtgaactt tgtgcaatgc gaattgagag 105360  
 ctgagaaat ccaatgacca cacaagtttg ggaatgggtt gtagtcttgt taagagccta 105420  
 accgacctct tacccaaatt ctggtaataa tcaaagctgc acatgggtgt gcagcaccat 105480  
  
 gtggagctga tatctctgat tcaggtcgag atgtctgctc agagcagaga acgttgtttc 105540  
 caagggccac agatgggtggg cctgccaagg gtctctttta ggtgtgcagc tctactgcaa 105600  
 agttcccgct cciggtttta aaaacttagt ctctaggact ccaagtccaa ctctgtgcc 105660  
 atttttccaa gaagttacac ctggtaacc tcatttctac caacacttcc cccaactcca 105720  
 cctcactcca gccagaaatg gccaccctcc gctgagttgt agcacttgta gatgattgtt 105780  
 tgattgggat tctaacagat ttgtgttgtg agagtcattc gggtatgttc catcatagag 105840  
 agtgccagag tttctttaga atggcatgat ctagctttca tctaacctta ttgcaccatt 105900  
  
 tggtaaccag actcaagccc agtgaattgt atcaatgtca atatcatggt tgtacaatta 105960  
 tacttaagtt ttgcaaagtg tcaccattgg gaaaaaccag gcagagtaca atcactttgt 106020  
 attctttttt acaaccatat atgaatctac aatatctcaa taaaaatttt aaaaataaaa 106080  
 atatttcttt ctaatcccc tgtcttttgt gtcaatccta gcattactat gtctccctct 106140  
 agtcattggt gttcgtacct aggagtcagt tcccttacct cctctatct cagttttctc 106200  
 atctgtaaaa tagggatgat agtaatgcct acctcttgggt tggggggatt aaatgagtta 106260  
 atatttgtga agcacatagg aagggtctta actgttaaata aaacaataaa taaataaaat 106320  
  
 atcttatgct taactttctc tttctgcctt agatccaata tgctataagt cctgatgaat 106380  
 tttcctacca tgtgtctcat agagtctcta tttcccatgc ccttttctca gttctgacct 106440  
 tcagagccgc cgccatcctc tctctctctt gaagccttgc cattgtgaag ttagtcactt 106500  
 cacctctgcc tcccatggct cctccattat catgttcac attgatttcc agtttccttt 106560  
 ttctgtttat ctcttttcac ccactagcat aggagctcct tgctggaagt catcgtttct 106620  
 tattctctct tgaagtttca gctcctaaca tagtgcttgg caaaaatga gtgttcagca 106680  
 tatgtttttg agtgagtgat aattaatcag gaataatctc atttcagcta ctggaattgc 106740  
  
 ttttttgcag tcatggtaga tgacctctga atctatagct ttgtgacccc aagcagagac 106800  
 tgcagcctta ccttttaact ctatctacaa gtcatggagt cttgtagata gagtcttgta 106860  
 gatagagtcc tgcagataag ttttcacttt tcttctccca tgggcccact gtcttgggct 106920

tcctggatac ttgttaactc ttgaacatac ctccatttct tgagaccacac ctaaagccat 106980  
 atacaagatt ggtgagtgtg catcctggca tglacacagc ctttggataa atatgcggcc 107040  
 atcgttcagt tagcccttgg catccttgtg aagtaaaata agggagacgg cctcagcatc 107100  
 tgatattatc attgcagtga cttcaatatt tgattcctgg gtcacccac agttaatttt 107160

ttcattggta gatgggaata aatattgctg gttataaact ggaccaactc tatggaaaac 107220  
 attactgaga tcatagagaa attttataaa gtatttcaag aaatattcag taataaggat 107280  
 tttactggaa ttgggaagaa ggctggcaaa aatagtctag agaccacaaa cccaaccttc 107340  
 attttggcaa tttattgtct ctgtctgaag cagctgacta agtaataact ctcactcctc 107400  
 ctccacaag caaagaaaca gacctgacat caatcataaa aacaactact gtttattaag 107460  
 tacttattac gtgccaggta ctttttgtta ggggctgggtg acttaacagc agcaatgata 107520  
 atgaccacca catactggat atttaccgtg tgcaacacac cacagtagga acttacatga 107580

attgtctcta tatggctgtg acacattccc tgaggatcca ggtatatattt ttaagtcatt 107640  
 tcatgacctg atttctccca agtacttcag tttctgagat ctctctctcc cgggagcagg 107700  
 gacccagcc ctttttagca ctagacagca aaccacaac ttcacaaact ctaacttcac 107760  
 cccaacaggc agattccctc aggaaaaaga gtggtaaatg aataaacct ccaaacagaa 107820  
 aagggtgag cacctaagag attcaggatg gcatttttgg aaatgttcac ttcaggttga 107880  
 aaagaaaact ttgaaatga ttagtgagtt atttagaacc tcaatattct aaagtttgag 107940  
 aagataacat actgaggaat ttaatttaga tttccttaac atgctctctt atgataagag 108000

agcattcagt atataaatgc tatgcaacag tactgccaaa ttgcaacaca gtatgggaga 108060  
 aatttgtcat ttigaaatgc taaggagatt ctactaaca gctttctcat cttgtaaage 108120  
 tattattttt ctgaatgata atatgattta taaacctcag ctgagtttta tagttttgat 108180  
 gggaatagac tcaaaatgca ttttctcaga atataaaatt ctctcaggag ttgaccaaatt 108240  
 gaggaataaa tagaaacttc cgcaaccaag tglaccaaag tcttgggtctc cactagcatc 108300  
 tctgtagggtg aatgttggtc ttctcagggt tcttgggtctc agtttgactc tcactctcaa 108360  
 ctctgcacgc tttccctggg tgacatcagc cactccaaat cctttgactc ttacctagc 108420

cagcaactcc cagtcacac ctccattcc ctcccagctt tccagagtta caatgcccta 108480  
 tgtctaagca cccactagac tgcccacat cacaacctaa gccacattag cctcagattc 108540  
 tctctgtcc ccaaacctg ttccttctcc tagaacattg gtagtagaat gatactaaca 108600  
 tttggaggaa taaggtagca atcttggat ctgacacagg agactgaaaa gtgaataggt 108660  
 aacaacagaa ctcaggagg ataaatgaaa ttcatacata atctaactt tttttttgag 108720  
 acggagtctc cctctgtcat ccaggctgga gttcagtggg gcaatctcag ctcactgcaa 108780

cctccacctc ctgggttcaa gcgattctcc tgcctcagtc tcccaagcag catgggccac 108840  
  
 ctgccccggc taatttttgt atttttggta gagatgaggt tttagcatgt tggccaggct 108900  
 ggtcgcaaac tectgacctc aagtgatecca tctatctcag cctcccaaag tgctgggatt 108960  
 actggtgtga gccacagcac ctggcccat aatcgaacat tttactgcag aatattgatg 109020  
 tgtttgatta tagaggtatt agtgggtatat gtacaatctt aactttctga tatctaaaag 109080  
 tttctgaatt ccaaaacata ttccagacca cgggttttgg gtgaagaatt tgaggacctg 109140  
 tcatatataa agcataagtt atataaggta ataatgtata ttaagtcct ccttagtgca 109200  
 gactagcaca tagtaagggc tcagaaatga caacaattat taaaaagagg aaatgggttg 109260  
  
 ccttagactt tatagaatat tgaggaagct gagacatctt ataggaaata catgtttttc 109320  
 atctctagtc ccccaaaatt tttataatca tatatttcaa aaatttgagg gcaattactt 109380  
 ttctatgcac tatcatgctt ttaaatgata ggctttgccca ttgtccccct atttacagta 109440  
 ggaggaagaa gattcagagt atttattaca gaggcaagca aaggcaggca tgggtgattc 109500  
 cggagaggag gcagcacagg cagaggcctg gtcgagtga agagggtgtc acacaagaat 109560  
 aaacatcgaa agtctgcaac ccgggaagct tggcccaaag tgatgacagc tgaagccagg 109620  
 acatgtctgg ggaaaattat aaagacctt gaattattata agtttgtatt ttatcctgta 109680  
  
 gatgactgat ttttaaagt ttttagcaag agagctttat ggaaacaaaa cttgatttgc 109740  
 atgggagctc tgiccactgc agccacacac caactggttt ttactacatc ctgagtgtc 109800  
 ttttaaaga gcagatctga tcatcttagt cctctgggca cactcttcaa agatatctca 109860  
 ttaaacttgg agtgaaatgc catctccctg caggctctgg gtaatgtggc cctaccatc 109920  
 tccccagctc atctcataca ggtcgagtat tccttatcca aaatgactgg gaccagaaat 109980  
 gttttagatt tgtgattttt ttttcagat ttggaatat ttgcatatac acaatgaggt 110040  
 atcttgggat gggaccecaag tctaaacaca aaattcatgc acgtttcaaa catatacatg 110100  
  
 aatagacct tatatatata gcctgagatt aatgttatac attattctta ataattttgt 110160  
 gcctaaaaca agtttgtgtt ttacacaaac attgagccat cagaaagcaa aggtatcacc 110220  
 accacagcct gccatgtgga cagtttgtgg ttgtttggca tcaccatcat tcctaacct 110280  
 aaatttatgt gctgccaata aatgttttaa ctgtgacctg atacatgagg tcagacgtgg 110340  
 aattttccac tgtagtgtca tgtcagcacc caaaaagttt tggattttgg agcatttcag 110400  
 attttagatt tttagattag gcttgataa tctgtactac ctccctgact taccactcgt 110460  
 aggtcctccc atgagcccat gtcctcccc tctgaagaa ctttataagg gatgccctct 110520

ccctgtctcc tcccttccac ttgcctaatt agctcctagt ttgctctttc aaacctcagc 110580  
 tctgccacct tttttcaggg gagcctttcc cagcatgggt aggatgccct attctatgct 110640  
 ctctgcact ccgtggactt ccttgtaaac tttaatcaag gttgtgttaa atgatacagc 110700  
 gcaggtttgg ttatttgata ctttctccia ctatgctgta aactttgaga atgggttagtg 110760  
 tggcccatc tggcttggtt atgacagtgt cctggaacct cctcaggcc cctaagcaga 110820  
 cccccaacta tttgttgaaa atacaccagt aatatataatg ggaagacaaa tgggggaaga 110880  
 ggctgttgtg gttgaaatta ggatggagcc tttggctgaa gcaggaatgt ggggcctggg 110940

atacttccca ctaagcctgc ccttccctt ccacagaggt cctggaggca cagagtggaa 111000  
 aacactctga aaagcactgt tggagatgat gggatgatct gactaacaaa aggctttgtt 111060  
 atttggtttt ggggtgaaga ctgttattct cttggcctga ggaaactttc ttttgcttca 111120  
 tagtcaaaag aatgatcaaa gtagctttgc gtagacagga agcatatttc attcatttat 111180  
 ttcaacatct tgctctctt gggtaaggaa tgactgtaaa agacatctgt aggatggtca 111240  
 gaattgtatt atttgtgca agactagatg tagagtagat atttctttgg aaagtcatcc 111300  
 tggcctaggc ccagaccatc aggaagattg cctctgtact ctgtggatcc atgcacacat 111360

ggccccattc ctgggtctgg gatcatgtga cacatgcaga tcatgtgact ctaatactcc 111420  
 ttcagtgtgg tcagctataa tacagtcaag gaatccctat atctgttaaa cagggtgaat 111480  
 ggaagtgaag attaccgttt gactgagtag cattgctgaa gaaaatcagt agaagtggtc 111540  
 caagatcctt tcgcattgtc tcagttctaa atgttgtaaa ctttcaaatt actgaaactc 111600  
 tgggtttcag tatccaaccc cttcaaggcc agctgaaaat caacaacaga gtgggttaaa 111660  
 ataaaagaag catgtctgtg caatcccaaa ttaaagcgaa aatatgtgct ggccaaaagt 111720  
 aagtcatttt tcagcctcaa aatatTTTTT ccaaattcta agatcctgca tttgacatgt 111780

ttaagaggga gatataacag ctgaagtgtt ctttgttcag aatgtaggag acagttttgt 111840  
 ctagactttc aggaaagata tagaatgaca ttttcagaac aaatcaaat atatttttaa 111900  
 attccttttt ccccttcaca aagaggatct gacatgcttc tgtgatttga atttggtgta 111960  
 tctataaatg gctcaatag tttacatga aaagtagagt aaaataaacc attgagaaaa 112020  
 gttattaaaa tactgttagt tcactttctt accttcacaa taaccttacc accaaaaaca 112080  
 atttagtaac taatattgag tggagtgggt tctaggtatg tgttaatctc ttgacatata 112140  
 tttctgact tagttctcac cacaaccca taaagcagggt attgctgtta tgtaattttt 112200

ctcatgaaga cagagagagt tgggtgact cactcaaagc cacaagcca agcagggact 112260  
 atgtctgact gatctcccaa acctgccttc ctgcctcct caccactgtg cttgggtctt 112320  
 ctttcttcac agggccagca tcgtacaaaa acgcattatt tattttcaag atgagggctc 112380

tctgaccaag aaactttgtg aacaaggtaa gaccctgtgg gtggggaggg ggaggggcag 112440  
agacatggaa ggcagctcct cctgcacgat cctcctctg caagaattaa gggccctggg 112500  
cttcgtgagt tctctgggt tctgttctt cacgtagctc cgatttttaa tctggctgtg 112560  
tgctgtgggt aattggatcc gccttaagct ctaattactc agcttgattc cctgggtaga 112620

agataatgta ccttatattg gtgtcgtctt cttatTTTTg tgaacacgtg attattctga 112680  
agaggttcct tggaataatt cacaggactt aattaaggaa tgcacaattg tgtacctta 112740  
aaaagtctgt aatggttctt tggaaaaaaa tcaccagcaa gatcttgtgt ggcacccaga 112800  
caatatggga ggattttctc cagagaagcc cagcagggga tggggatgcc aaggggtgt 112860  
tgacctgtg ataccac attcaaggat ctagtctta gatttgcaa cttatcaacc 112920  
ttctctctt aggttgaagg tattgtaca aagctcatgg aggctaacta gactcggggg 112980  
ataaagcaga gacctgagt tagatcaggc ccaggttcgg atctgcctct gccccttcta 113040

gccatgtgac ttaaatagat aaaatagtag agtacctct tgacacatag taaatgctgt 113100  
ctatagaata gatagctctt gttatctata tctgaaagct tattcattaa tctactgcaa 113160  
aaaaaattga ccttaaacat cggaatgttt ttaaaagtta ttggataact aaataaaaat 113220  
aaaaaatgct ctatattat acagcataac aatctcattt ctatttaatt ttgcagaatt 113280  
tttatttgca tttagagcaa ttagtgtttg gagaagaaat aatcctctcc aactatagca 113340  
aagtataagc tactaagaaa aagaaagggt gataaaggtc ttcggggaaa acaataataa 113400  
taggtaatat gtttgggtg ctttctacg tgccaataac tattttaagc acttcatatg 113460

cattaatTTT ataactgca cagcagccct atatggtaaa gattattatt atatttttat 113520  
tttatggatg aggggcctga cacaaaaat ttaaatagct ttcttagcat catatactca 113580  
tggtggaagg ctgggttga agtcaggagc caatgccctt aaccattgct ttctagcaaa 113640  
gcaactgctt ccagttcag tagttcttat cattgccttt gacagatcaa tgcattgtcc 113700  
tcctgtagat gagctgagca gaaactaggt ccctgtttg gaattgttta gagaacatgg 113760  
caatagcaaa ggagagagag agttggatac ctgcatag gatcatacct cccagagggg 113820  
ctggagagct ggaatctgca gtccagagaa cctggccag cttccacatg gacaccacca 113880

cacgtgtctt ctgaggcttt tctttttgt gtccaactgc ctgcaagttc actcagcctt 113940  
tctctacaca gggagcatct ccacttatta agctcttggg tctcaatga caatccatc 114000  
cctgctgtat cticatgtga tgagatccag gtgctgtggg ggacttgtgg gtgttttga 114060  
tcacacattt ccaagacacc tcttgtaaat gccttagaca agtcttcaca taacatcagg 114120  
attgagactt tgggaagtgc acattagtta atgattgatg gcagtacatg aggggtgtcag 114180  
tgaagtatct ctaagaacc ctgagctcct gaaaataagg ctgtcctccg acagtcaaac 114240

tgacaaaacc acaccacagt gcctggggag aagacctaga gctgcacaga tgaaaagcaa 114300

aggcaaacaa tagtttttaa aagcaagata aacaataggt tacttccaat taagaacaga 114360

gaaacaaaat attcaaaaaa gtgacctata acaaacatat gcatacacat actttatitt 114420

ttttttttta gtttttttga gacagagttt cactctgtca cccaggctgg aatgcagtgg 114480

cacgatctcg gctcactgca acctccaacc cccgggttca ggcgattctc ctgcctcagc 114540

ctcccagtag gttaggatta caggaacaca ccacatgcc catttttgta tttttagtag 114600

agatgggggt tcatctctac taaatatgaa aagatctctg tctcacaagt aagatctaaa 114660

tagagatttg ccatgttggc caggctggtc tcgaactcct gacctcaagt gatccgctca 114720

tctctgcctc ctaaagtgtt ggaattacag gcatgagcta ccgtgcccgg ccctgcatac 114780

acatacttta ataccatgtc acaagcaatt aaatgaaaga gacaaaaaaa aaaggaaaaa 114840

ggaagggaaa cgcagaaaaa agagaaaaat gtcaacagaa acaggataat gagaaaagga 114900

agaaaaaggg aagaggaaca aagaatacag gaagagagtt gcaaaggaag tcagtggatt 114960

tcaagtagaa atggggagag agggcggtc tggagatgct ccatagcctg aaattacca 115020

tggttggcag acctgcctg ctgtggttag aagaggagta agtggacgat tcttatcact 115080

gcccittgaa agcctgattc attttcaata ggcttttct tagtaggaaa acagtatgtc 115140

tgtttttatt ttcaaactga aaaatttatt ttcaaattgg gagcttaaaa atgtattttt 115200

caaatggaag cttattttcc ttgaaaatc caaaaggttt attatgcatt cttttgaacc 115260

ctcagaaata tcgttaagtt taccacctat atccgaaagc ctttttgata aggcaaagct 115320

accagtggc cttcttttgg tttttgtaga gactattgct gcctcattta atagccccta 115380

gtagctacaa ttgaaacctc agcatgtatc tctgatttag aaatcgtaga gctatgtagg 115440

gaggcaattt tttttttagc gcatctttct tcattgaaaa aagcaataca gaaacaataa 115500

aaaagttttc tctcttttct atctatgcag acctatccag atgaggtctt tcttgagta 115560

atgtagtgca gagattaagg gtatgagtcc tggacccaaa aagacctggc ctccagttct 115620

gcctgacctg ttactaacc ctgtgacctt gaacaggtta cctaactctc ttcaatttac 115680

tgacctgtaa aatggggata gcaaaagtac ttacctccta gcattgttag gattaaacga 115740

gacaatatat ggaagaaat cagcaataa aaggactcag tttttgtag ttattattat 115800

gatgtctcat cttttcatc ccacctaga acctagaatt cactctatc catcatggat 115860

tttatatatt taaacaaat caaccagta aattccaaa ggaagtcttg taaaatgctc 115920

ttcctaacac tcacaatgat tttaacattc ttggcacta ctctttgtat aatatttaag 115980

aataaatgtc caactgcaaa gaaaaaaaaa ttatgttaat actactagag gaagtgaaaa 116040  
 aaagcaactg aagcaagtta catctgtagi cattgttttc atcttgcagg aagcagaaca 116100  
 gactaaaagc aacaacgtgc agctagagat gtgggtttga caatcggaat tactgaat 116160  
 attcatgtaa tctctctttc cccacttacc agctattcac agctaaaaat gagggccgag 116220  
 agggaatctt aagtttttcc tggctacttc tataccaga agtacagtaa acctgagctt 116280  
 atgaacacat ttccaccccc tactcctccc agtgaagtct ctgaaagcat gataagaagt 116340  
 gacgtgatta tatatgcatg cctctttttt ttctcccttc agtaattctt tatctctctc 116400

catttatatt cactgctctg cttcaaagtc attccttctg gtctgtcat ttgggtccca 116460  
 gagaatattt cctagagaaa gcacacatgt gtattcctcc taaaatttgt tagagaaatc 116520  
 ctgttgtggg aggggtgggg aaggagacca ggatccggaa aggatgattg agtgaatatt 116580  
 accctgattt tttaacata gccccatct taaatatctc cgaatagcct atgggttatt 116640  
 gctcccacag atcttctcaa ttatttaggg aaaaagctct cttttttttt ttcaaaatat 116700  
 taccatactt agaggcatatc aaaatccttt attgccaag tactgatctg gctctaagtc 116760  
 ttattaacta atgaaagctg catcttcttt tcctaagggt taaggataaa atgagaccat 116820

gatagacca cctatatac aaccacgtt tactttctaa cttggtgact tttctgactg 116880  
 tttagattc cacatttgat ggggtgactg acaaacccat cttagactgc tgtgcctgag 116940  
 gaactgcaa gtacagactc acattttatg ggaattggtc cgagaagaca cacccaaagg 117000  
 attacctcgt tgagtagagt ggctactctg tggtttgggg aaaagcacat tgtcaaagtt 117060  
 ctgtctggtt atagggcaca ctactgcag catgtcagat ctgtcccta gtattggctg 117120  
 gtcatgaaa tgcacaatcc aagtatgtat attaatcaag acaggcagac attatatggg 117180  
 tatgctttca gcttctttgc atagcattgt gctatttttt ttcttttttt ttttgagatg 117240

gagtctcgct ctgttgccga ggctggagtg cagtggcaca atctcggtc actgcaacct 117300  
 ccgcctcccg ggttcaagca gttctcctgc ctacgcctcc tgagtagctg ggattacagg 117360  
 tatgggccac catgccagc taatttttgt atttttagta gagatggggg tttgcatgt 117420  
 tgcctgggct ggtcttgaac acctgacctc aggtgctcca cccaccttgg cctcccgaag 117480  
 tgctgggatt acagggttga gccactgtgc ccagccccag cattgtgctt tcttatctgt 117540  
 gatttttaaa aatattccca aagtcatgct gcttatattc aggtgaggca tttggttaacc 117600  
 tcaatcccc tgcaatgacc ctgtccatga attccatgac agacctgctg gaaatagcgg 117660

caaaagggac ctgctcttga ctctataggt caaggtcaac aaatactctg ctatcatagg 117720  
 tgttagtaat tagtcagcat gccttttttt tactgacttc agatgccacc ttgaaatccc 117780  
 ttcatgaggg gccaaagcat gtggctcaag cctgtactcc cagtgccttg ggaggctgat 117840

gtgggaggat cctttgaggc caggagttag agacctgcct aggcaacata gcaaaattct 117900  
aaaattagct gggcatgggtg gcacatgcct gtagtcctgt agtcttgctt gtagtcctag 117960  
ctactcaaga ggctaaggca ggaggtatctt aagcccagga gttcaaggct gcagttagcc 118020  
atgaccacac cactacactc cagcctgggc agcagagcaa gactctgact caaaaaaaaa 118080

aaaaatcttt tcataacatt gttatcaaga tagccaatac aaagccatga gagttgtcag 118140  
gagaccccaa acttactatt ttttaagtag atcctactaa ttccacttta tcatataatt 118200  
gtctcaacaa acgcctaaca tgtgccaggc actgtgtctca gctctagagt tataaactg 118260  
aacaacaaaa agatgcattc catattctca agccactcag cggctagtgg agagacagac 118320  
actaaccaaa tagtcatgca gaaagagggtg aagactataa gaaaagtgga cttactgtga 118380  
accaagcatt tctacatatg ttatagtgtt taatcctcaa agtaatgtgt ttttgtggat 118440  
aagtttactg gggaggagag agatgtcatg atttggccac attgagatgt aagtaatgga 118500

tccaagatcc aaaggggttt ttcagtctcc tatgcctgcc ttttgtttgg gttgcgtgtt 118560  
gcccattctc tctgtgggtg gcaggatgtc catgtgtggc actgagcctg ttttttctg 118620  
ttcattgtct gttttgttct tgtgcatttt actttggagt taccgcagtt caggaagaac 118680  
agtaggaatg ggagagagag attaaaaaga gggatttggc tcagggtcca aaggaaagg 118740  
ggagaaaagg gcacatgatt ggacttaaga agactcagac cagatcagaa cctccatgat 118800  
ccccacgcag ccacaccaga ggggacttcg acatttgttg acaaatcaag agctctattg 118860  
tttaatgtta cccacatgca atcaaggctt gggatcttag aagcctcttt ctagttcatt 118920

cttctgactc tgagattcag cctgatctgc atcagctgtg tgggagacct gtgcgaagaa 118980  
acttggactc tcigccctggg ggaaagaaaa catttggaac aagcacgatg gaaaaatttc 119040  
ctccagctc tcctatccac taaccagagg aaataaaatg ttaggggccc gttactcacc 119100  
tttttgtatc ctaagaagct tcttgacctt tcctattctg ccaactgtcat ttcccagaat 119160  
ttagggagga ggtgaaaaaa aaaaattgtt tctgggtctt tgggccaaat caagtacaaa 119220  
tctatacaga gtttctgtgg agttgttgag agtttcttag taaatatagc agacgtgtgt 119280  
tccagatctt ctaggattgt tccatttttg acatgatgtc ttatagacaa ttgtcagatt 119340

gtgtcctaatt ttttggttgg aaaaatttgg tcacttgtac agaatagcac ttaacatagc 119400  
atactgtagt tattttttta aaagtctttc tttccacta gaccaagaag tcctccagga 119460  
caaactgatg gacgtgctta tctttgattc ttagtgcttg ttgtcttccc aagcactgtg 119520  
tactgattgt tgaactccga gtcacactca ttatgacctg ggaggcagat gtctagcctt 119580  
cagctaatta tgatgggcag tatggaggag agtgtgagtc aaaccttcca tggaggaaaa 119640  
ggagtgaaca ctcagggaga ctggagccgt ttaaaaggac atggggagga tctaactcggg 119700

atcttgaaaa tttaatgttc tcaaaagtta ttctctatcag tcttaagtaa tagatgaatt 119760

tctttttgcc actgcaaaga tgatactgtc ttgataacca ttctctatca tcatgcccag 119820

agaagcttcc cacaatagtg caaactgaca attgccaagc cccctgtcc tttattagtc 119880

atccaaaaca ctgctttctc tacagtgtac ttaggacagt ggttcttaag cttttaaatc 119940

ttaggaccgc ttttgtatgc ttaaaaaatc ttgaggatc ccaacataag tggttttat 120000

gggttatagc catcaatctt ccatgtatca aaaactaaaa cagagaaatt gaaaaatatt 120060

atttatTTTT aaaataaacc tagtaaatta aaaataataa acttgttcca ggtaaatata 120120

aagaacatat tttatgaaaa tacctatatt caaaacaaaa gaaatgtgaa aagaggatca 120180

atgttttacg tttttgcaac tgtcttttct atctggctta atagaatata cctggattcc 120240

catttgctt tgcttttgca ttcaacttag attcaaaata gattcaaata ggttcaaaaa 120300

atctatTTTT tgggtgaagt atgcggagaa aattctgtct catatggcta tgtaattgga 120360

aaaggaaga gtatTTTaat aaccttttct gataattatg gataatcttt gatcctacac 120420

cagaactctg caaattgttt ttttaaaggt taattacaat gtggaatttg aaactatata 120480

aatgaacttg tactcttaca ttaaaagtca ttgctttacc ttctactttg aatggatctt 120540

ttacaaatgc atggttttgt aacatcttac gttgatcatt tggaaaatat tggtttactg 120600

agttatgcag attgtgcaag tgttgacaca gttcattaaa caatatgaaa agccatatcc 120660

attaatatca ctaccaatct catcagaaaa gtatttaata ttggaaagct atcaagtcca 120720

taataatgaa cacaagtttt ctaaaattct gggttttgct tgaaagcttg aattttatca 120780

ttggcaacaa atactgtcag ttgttttct tgaagtgaca ggatcacttt attttttaga 120840

aatgtlaggc caaattccca agtctgaata accataattt gtcgtgcatt tgtcctttca 120900

agtgaatatg atgttttatg aacataaaaa gcggctagtc cagcttcac ctcaaagagt 120960

cgcataagtg cttttattca agacaatcac agtacttcag tatatagcag aagtgttctt 121020

gcgtagttcc caattagtca cacagaaaaa ataaaaatat gtttactcaa aggcagagat 121080

ctaataaat taatcatTTT tattgttttt tcaaggacat tctttttttt ttttaacttta 121140

agttctggga taigtgtgca gaatgtgcag gtttgttacg taggtataca tgtgccatgg 121200

tggttttgcc gcacctatca accattatc taggttttac gtcccatg cattaggtta 121260

tttgtctaa tgcctcctt cccctgtccc tgcactcccc gacaggacca ggtgtgtgat 121320

gttccccctc ctgtgtccat gtgttctcat tgttcaactc ccacttacga gtgagaacat 121380

gctgtgtttg gttttctgtt cctgtgttag ttgttgagg atgatggttt ccagcttcat 121440

ccatgtccct gcaaaggaca tgaactcatt cttttttatg gctgcatagt attccatggt 121500  
 gtatatgtga tgcattttct ttatccagtc tatcactgat gggcatttgg gttggttcca 121560  
 agtctttgct gttgtaaaca gtgctgcaat aagcataaat atgcatgtgt ctttatagta 121620  
 gcatgattta taatcctttg ggtatatacc cagtaatagg atcactaggt cgaatggcat 121680  
 ttctggttct agatccttga ggaattgcca cactgtgttc cacaatggtt gaactaattt 121740  
 acactccac caacagtgtg aaagcattcc tatttctcca catcctctcc agcacctgtt 121800  
 gtttcttgac tttttaatga tcactattct aactggcatg agatgggtatc tcattgtggt 121860

tttgatttgc atttccctaa tgaccagtga tgaatgagctt ttttcatat gttgtttggc 121920  
 cacataaatg tcttcttttg agaaatgtct gttcatatcc ttcacccact ttttgatggg 121980  
 gttgtttttt tcttgtaaatt ttgtttgagt tctttgtaat tctggaaatt agccctttgt 122040  
 cagatggata gattgcaaaa attttctccc actctgtagg ttgcctgttc gctgtgatgc 122100  
 tagtttcttt tgctgtgatg aagctcttta gtttagtaag atcccatgtt tcaattttgg 122160  
 cttttgttgc aattgctttt ggtgtttag tcatgaagtc tttgcccag cttatgtcct 122220  
 gaatgatatt gcctagattt tcttctaggg tttttatgct tttaggtttt acatttaagt 122280

ctttaataat ccatcttgag ttaacttttg tataagatat aaggaagggt ccagtttctg 122340  
 ttttatgcat atggctagge agttttccca gcaccattga ttaaataagag aatcctttcc 122400  
 ccaactgcttt tttttgtca gatttgtcaa agattagagg gttgtagatg tgtggtgtta 122460  
 tttctgagge ctctgttctg ttccattgat ctatatactt gttttggtac cagtaccatg 122520  
 ctgctttggt tactgtagge ttgtagtata atttgaagtc aggtagcatg atgcctccag 122580  
 ctttgttctt ttgtcttagg attgtcttgg ctatacagge tcttttttag ttccatacga 122640  
 aatttaaagt agttttttct agttctgtga agaaactcaa tggtagcttg atgggaataa 122700

cattgaatct ataaattact ttgggcagta tggccatttt cacaatatta attcttccca 122760  
 tccatgagca tggaaatttt ttccatttgi ttgtgttctc tcttatttcc ttgagcagtg 122820  
 gttttagatt ctcttgaag aggtcattca tgccttctgt aagttgtatt cctaggtatt 122880  
 ttattctctt ttagcaatt gtgaacggga gttcactcat gatttggctc tetgcttggc 122940  
 tattattggt gtataggaat gtttgtgatt ttgacacatt gattttgtat cctgagactt 123000  
 tgctgaagtt gcttatcagc ttgagatttt aagctgagat gatggggttt tctaaatata 123060  
 caatcatgct atctgcaaac agagacaatt tgacctcctt tcttctatt tgagtatgct 123120

ttatttcttt ctcttgctg attgcctgg tcagaacttc caatagtatg ttaaattggga 123180  
 tgggtgagag ggggcatcct tgtcttgtgc tggttttcaa gggaaatgct tccagctttt 123240  
 gcccattcaa tatgatattg gttatgggtc tgcataaat agctcttatt attttgagat 123300

atgttctatc aatacataat ttactgagag tttttagcat gaagcagtgt tgaattttac 123360  
tgaaggcttt tctgcatct attgagataa tcatgtggtt ttgtcattg gttctgttta 123420  
tgggatggat tacatttatt gatttgcata tgttgaacca gccttgcac ccaggtatga 123480  
agccgacttg atcatgggtg ataagctttt tgatgtgctg ctggatttgg ttgcccgtta 123540

ttttattgag gattttcaca tcaatgttca tcagggatat tgacctaaaa ttttcttttt 123600  
ttgttgtgc tctgtcagg tttggaattg ggatgatgct ggcctcagaa aatgagttag 123660  
ggaggagtgc gtctttttct gttgtttgga atagtttcag aaggaatggt accaactcct 123720  
ctttgtacct ctggcagaat tcagctgtga atccgtctgg tcttgggctt tttttggttg 123780  
gtaggctatt aattaatgcc tcaatttcag aacttgttat tggctattc agggattcaa 123840  
cttcttctg attagctctt gggaggggtg atgtgtccag gaatttatcc atttcttcta 123900  
gattttctag tttatttgtg tagagggtt tatagtattc tctgatggga gtctgtagtt 123960

ttgtgggac agtagtgata tctttatca tttttattg tgtctattg attcttctct 124020  
cttttcttct ttattagctt ggctagcagt ctatctattt tgttaatttt ttcaaagaac 124080  
cagctcctgg attcactgat ttttttaag ggtttccatg tctctatctc cttcagttct 124140  
gctctgatgt tagttatttc ttgtcttctg ctagcttttg aatttgttta ctcttgcttc 124200  
tctagttctt ttaattgtga tgttagggta tcgattttag atcttctctg ctttctgatg 124260  
tgggattttg tgcttataaa ttccctctt aacctgctt tagctgtgac ccagagattc 124320  
tgggtacattg tctctttatt cccattggtt tcaaagaact catttatctc tgccttaatt 124380

ttgttattta ccccatagtc atccaggagc aggttgttca atttccatgt agttgtgtgg 124440  
ttttgagtga gtttcttaac cctgagttct agtttgattg cactgtggtc tgcgagactg 124500  
tttgttatga tttctgttct ttgtcatttt ctgaggagtg ttttacttcc aattatgtgg 124560  
tcaattttag aataagtctt aagtgggtgca gagaaggatg tatattctgt tgatttgggg 124620  
tagatagttc ttagtttcta ttaggtccac ttggtccaga gctgaattaa agtcccgaat 124680  
atccttgta atttctgac ccattgatct aaaattgaca gtgggggtgtt aaaatttccc 124740  
actattatc ttaggagtc taagtctctt ttaggtctc taagaacttt ctttataaat 124800

ctgggtgctc ctgtattggg ggcacatata tttaggatag ttagctcttc ttgttgcat 124860  
gateccctta ccattctgta gtgcccttct ttgtcttttt tgatcttgt tggtttaaa 124920  
tctgttttat cagagactag gactgctttt ttggcttct catttgcttg gtaaatattc 124980  
ctccatccct ttttttgag cctatgtgtg cctttgcatg tgagatgggt ctctgaata 125040  
cagcacactg atgagcttg actctttacc caattttcca gtgtatgtct ttaattgga 125100  
gcatttagcc catttacatt taaggtaat attgttatgt gtgagtttga tctgtcatt 125160

atgatgctag ctggttatit tgcacatttg ttgatgcagt ttcttcatag tgcattgat 125220

ctttatattt tgtgtgtttt tgtgggtggc gtgcccagtt ttctcttcc atgttttagtg 125280

cttcttcag gagctcttgt aaggcatgcc tgttggtgac aaaatccctc agcatttgc 125340

tgtctataaa ggattttatt tctccttcac ttatgaagct taatttggct agatatgaaa 125400

ttctgggttg aaaattcgtt tctttaagaa tgttgaatat tggcccccac ctctcttctg 125460

gctttagggg ttcttcgaga gagatctgct gttagcttta tgggcttccc ttgtgggta 125520

acctgacctt tctctctggc tgccttaac attttttctc tcatttcaac cttgggtgaat 125580

ctgacaatta tgtgttttgg ggttgttctt ctgggggagt atcattgttg ttttctctgt 125640

atttctgaa ttigaatgtt ggccgtctct gctagattgg ggaagtcttc ttggataata 125700

tcctgaagtg tgttttctaa cttggttcca ttctgtctc cactttcagg tacccaatc 125760

aattgtagggt ttggctttt catatactcc catatttctt agaggctgtg ttcgttctct 125820

ttcattcttt ttctctaat ctatctctcg tgccttattt tggtaagtgt atcttcaata 125880

tctgatatcc ctctctctgc ttggtttagc tattgatact tgtgaatgcc tcaggaagtt 125940

ctcatgctgt gtttttcage tccatcaggt catttatgtt ctctctctaa ctggttattc 126000

tagttagcag ttctgtcac cttttatcaa ggttctgac ttcttgcac tgggttagaa 126060

cagtttctt tacctcagag gagtttgta ttactacct tctgaagcct acttctgtca 126120

atttgcataa ctattctcc atccagttt gtgcacttgc tggagaggag ttgtgatcct 126180

ttgtaggaga agaggcatc tggtttttgg aattttcagc attttgcac tggatttacc 126240

ctcatcttca tggatttacc tacctttgat cttgaggctg atgaccttg gatgggggtt 126300

ttgtgtggg ggtcttttt gtgatgttg atgtattgc ttctgtttg ttagttttcc 126360

ttctaacagt caggctctc ttctgcaggt atgtgcagt ttgtggagg tctactccag 126420

acctgttct cgtgggtacc accagcagag gctccagaat cgcaaaaatt gctgtttgct 126480

cttcttctg gaagcttcat cccagagggg caccagcctt atgccagctg gagctctcct 126540

gtatgaggtg tctgtcaacc cctgtctgga ggtctctccc cgtcaggaag cacggaggtc 126600

agggactcac ttgaggagc agccgtctcc ttagcagagc tcgagctctg tgctggtaga 126660

atctctcttg tcaggatctg ctgcactctt cagagctggc aggcaggaat gtttaaatcc 126720

gctgaagctg ggcccacagc cacccttcc ctgaggtgat ctgtctcagg gagaggggag 126780

ttttatctct aagcccctga ctgggcctgc cgcctttctt tcagagacgc cctgccctgt 126840

gaggaggaat ctagaaaggc agtctggcca cagctgtttt gccacgctgt gttgagttcc 126900

gccagctctg aacttcccag cctccttagc actgtcgggg aaaactgctt actcaagcct 126960  
 cagaaatggt ggatgccctt tcccacacca agctcgatca tcccaggtca acttcagact 127020  
 gctgtgctgg cagtaagaat ttcaagccag tggttcttag actgtcgggc tccacgggaa 127080  
 tgggaccggc tgagcaagac cacttgggtt cctgggttca gcccccttc caggggagtg 127140  
 aatgaacagt tctgtcttgc tggagtcca ggcaccacta gggtatgaaa aaaaaaaaaa 127200  
 aaaaaaaaaa tgcagccagc ttggcgtctg cccaaacagc cgcccagttt tgtgattgaa 127260  
 agccaggggc ctggacgtgt aggcacacaa gggaatctct tggctcgcgg attgcaaaaa 127320  
  
 ctatgggaaa agcgtagtat ctgggctgga tagcacagtc ctgtgtctgg aattggtggg 127380  
 ttcttggctt cactgacttc aagaatgaag ccgcgacccc tcgtagttag tttacagct 127440  
 ctttaaggtg tggtcttga gtctgtctct tctgatgttc agatgtgttt ggagtctctt 127500  
 ccttctggtg ggttcgtggt ctcatgtggt caggagttaa gctgcagacc ttgtgtgga 127560  
 gtgttacagc tcttaaggcg gcgggtctgg agttgttctg tctcctggt gggtctgtgg 127620  
 tctggctggg ctgaggagtg aagctgcaga tcttcacggt gagggttaca gtcataaaa 127680  
 gcagcgtgga cccaagagt gagcagcagc aagatttatt gcaaagagca aaagaacaaa 127740  
  
 gcttcacag tttggaaggg gacccggttg cactgctgg ctcgcagc ctgcttttat 127800  
 tctcttatct ggccccccc cccccccc ccgccacat cctgctgatt ggttagagccc 127860  
 agtagcctgt tttgtcaggg cgctgattgg tgcatttaca acccctgagc tagatacaaa 127920  
 ggttctccac gtccccatca gattagttag atacagagtt ttgacacaca ggttctcaa 127980  
 ggccccacca gagcagctag acacagcgtg tgcattgggt cactcaciaa cttgagcta 128040  
 aacacagggt gctgattggt gtatttaca tccctgagct agacataaag gttctccaaa 128100  
 gccccaccag agcagctaga tacagagtgt cgattgggtg actcaciaa cttgagcag 128160  
  
 acacagggtg ctgattgggt tgtttacaat cctgagtta gatataaaga ctctccagct 128220  
 ccccaccaga ctgaggagcc cagctgactt cacctagtgg atccgcacc ggggtcagc 128280  
 gtggagctgc ctgccagtc cgtgccgagc gctggcattc ctgagccctt ggggtgtcga 128340  
 tgggactggg cgccgtggag cagggggtgg tgcctgttgg ggaggctcgg gccgcacagg 128400  
 agcccatgga gtgggtggga ggctcaggca tggcgggctg caggtccca gccctgccc 128460  
 gcgggaaggc agctcaggct cggtgagaaa ttgagcag caccggtggg ccggcactgc 128520  
 tgggggaccc agtacacct ccgcagccac tggccgggt gctaagtccc tcattgcccg 128580  
  
 gggccagcag ggttggccgc ctgctccgag tgcggagccc gccaagcca cggccacca 128640  
 gaactccagc tggctcgcaa gtgccgccc cagccccggt tctcgtcgc acctttccct 128700  
 ccacacctcc ctgcaagctg agggagtggg ctctagcctt ggccagcca gaaaggggt 128760

cccacagtgc agtggggggc tgaagggtc ctcaaagcc gccaaagtag gagcccaggc 128820  
 aggggaggtg ccgagagcaa gcgagggtc tgaggactgc cagcacgtg tcacctctca 128880  
 atccctcacg gcttctttt gctgggggtg gcggggcggg ggaggccccc agctgcttgc 128940  
 acttctggg caagcgaca cccaccttg tttctgtca tcctctgtgg gctgtacca 129000

ctgcctaacc agtcccagtg agatgaacag ggttctcag ttggaaatgc agaaatcacc 129060  
 cgccttctgc attggtcttg ctgtgagctg cagaccagag ctgttctat tcggccatct 129120  
 tgccaatacc ctccaaggac attcttaagt gaaacggacc ccttttgctt tttactgttg 129180  
 gtatgtggca gtgaaaaata tatcagcgac taacatggtt tggggtcatt aacttgatcc 129240  
 atgctcagtg ccagagttaa tgtcaataca ttacaaaggg aagtaatgtc ttagcattat 129300  
 tataaaaata gttttcacct tctagacccc ctgaaagggt cttgggggtc caaggggtct 129360  
 gtgggccaga ctttgagaac ctctgcaata ggtaagatag caacctaagg tgtctgactt 129420

tcagtactct ttgactaact tgcccttggg aatttacgtt ggacactata ggaaggatgg 129480  
 ggcaataccc agtctctgca ggtggggccac atctgccgag gctcttctca accattttac 129540  
 aaaatggttt gttccaagtg ctgtttctgg ggttcttcc attggagcac agtgttctct 129600  
 ctaggagggg ctagatgtgg ttagataaga agggaggcag gggaatcgcc taaatgacct 129660  
 ctggcattcc ctatctattg taatgctata gatctctgct tgtcatctgg aaatagtga 129720  
 atccttttaa aacacttcta atctagtagt tctagaaacg cattttaact tatcatgtaa 129780  
 gttttacttc ctaattttac aagtgaaaa ctgaagcaca aagaagttac agactcagat 129840

gacatagcca cagagtgtcc gaaacaaaat caaagcttag gtctcctgac tcctttttgc 129900  
 ctctctctgt aggctattag gaggccatca atcttctgtc cttctgcaga aaaattagta 129960  
 tcttatacac aaagcatctt ttaataaggc cctgctgtac taacatgaac tcaactggta 130020  
 ccaaatttgg tgccatactg aacagctttg cccactcta caaaaacctg cattgcagag 130080  
 atcctaactt agaagtcaga aagagaaggi ctggattcac tggctctgag tggagtcat 130140  
 ggaccttaaa gtgtcagaag aactgccagc tctgcaatg tctgttcgag gcactgtgag 130200  
 tctgtagctt ccagctatgg ctgagaagca gttgcttcac agaaacaagg tgactaggca 130260

gigtaaccac atgagggtgt cctggaggct ggagacatgc ccattctttg ccaaggaatt 130320  
 gggagtacc taaaagatgc tgagtctctt tattctctag ctctgaatac agctcttggg 130380  
 tttttgacaa atgtctctat cccatagaga ccctttaatc acctttgaca atgtaagctg 130440  
 catagcttcc cccatttttg atatgacatc ggttttaatg ctgtttaaca gatatgcatt 130500  
 gatgaaaaga acattttttt ccaggagcca atcacgtttt ccgtttgaca atacattgcc 130560  
 taaaatataa atacagcaat tgggaaatat actctatata atcaaagttc attttacaat 130620

gaaattcagc catcttttct attggatcac cagatttagg aaattattat taagtccaat 130680

cacatgaaaa accaccgctc taacacttaa caactacttt tgtttcttca tatattcadc 130740

tatgtacaga gtatgtatat cacatttgaa catactgttc tactttttgc atttgatttt 130800

gtcttcatac tcatatcagc ttattctaag caacttatct attgttttat tgatcattta 130860

agtaatgtca ggtcttttgc taacatagaa agcactgcaa taaaatactt tgtacttagg 130920

ccaggcatgg tggtcacgcc tatgatccca gcactttggg aggccaaggc agatggatca 130980

cttgaggta ggagtttgag accagcctag ccaacatggt gaaaccctgt ctctactaaa 131040

aatacaaaaa ctcaccaggc atgctggtgt gtgcctgtaa ttccaactac tcaggaggct 131100

gaggcacgag aatcgcttga acctgggagg cagaggttgc agtgagccga gattgtacca 131160

ctgcactcca gcctgagtga cagagtgaga ctctgtctca aaaaaaaaa aaaagccaca 131220

caacgcttgg tacttaaaagt ctctctcaac cgtctcctt tctttggaat tatttccttg 131280

aaataatttc ccaagatgaa aactgctgga tcaaaggata tggatttttc ttttgccct 131340

tgatacatct tgccagattc ttctccaaca catthgtatc aattcagttt attaccaata 131400

atgaataaat gtgtctgttt ctcccagcct tctcagcatt caattaaaat ttttaattaa 131460

atthtattta gtaataattt attaaaatta atcttatttt aaattggcat tggtttaatt 131520

accaacacac ttgaatcttt ttctcatgtt attgtccttt gcctttaaaa ccactagggt 131580

gttggcatga atcaagtctg atthtgtctc ttgtctcccc agggcatcag tcattgtctg 131640

gcacactgaa agttctgaat aaatagtgtg gaatgaatgg atgaatgaat gagaagcagt 131700

tacaaaatga ggaaggaaga gagtggaggg agatgagcaa tgaaaagctg ctgatgaaga 131760

ggttagggca ggagagagat aaggccatat gtggctgctg agtggacagc agcttgatg 131820

gggccagtgg tgtgtgggag gatgcgcaag gaggacattg cagtcagttg gtgggcaatg 131880

gtgtggcttg gactgcagcg gtgaaagtgg taatggagaa aattgggtata ttccacatct 131940

cttttaacag tagattctgt catgaactgg atgcggagga gtaagagaga gaaacatcat 132000

agctgacaag ctaggtttct ggcttggaaa tggaggtgct ctttcttttg aaaatattcc 132060

tcaatattat tatctctctc tttttacaaa tgactttgaa atcatttcat caggctctga 132120

aaaggatcct gtcagaattt taagtgggat tgcactaagt ctcaaaatta ccttgagagg 132180

aattgttagc tttataatg ttagcttctc tagttttttc ccatttatga ataaaacca 132240

gcatttctgg gtttccttag caccatgcct agaagagtga taccatatgg accatagccc 132300

ttctttctca atctaactgc agaaacaaaa ttaaacatta tattacagtt ctccagagaa 132360

acagaccaac aggagataga taaatgagag actagataga tagatagata gatagataga 132420  
tagatagata gatagataat acattttttt ttgaggaatt ggctcacatg attatggagg 132480  
ctgagaagtt ccacaatctg ccatctgcaa accggagacc caggagaccc agtgggtgtag 132540  
ttctagttag attccaaaag cctgagaaca aaggagacca atgggtgtaaa tcccagcccc 132600  
agggcaggag aaggccaatg tccctgggtca agcaggcagg cagggtgtaa agaaatggat 132660  
ttctttcttc tctgcatatt gtcttattcg gccctcaatt gattggatga ggcccaccca 132720  
cacgggggat ggaagtctcc ttgttaagt tacctgattc aaatgtgtat cacatctgga 132780

aatectcaca gatgcaccca gaaataattt gggcacccaa tggcgcagct gacacataaa 132840  
atgaaccatc acaaacatac aatgaacaat aatccactg cttctttctt ccatcactgt 132900  
ggaatccctc ccaatcctga gaagtctgcc catcagagca tctcagctgt gccactgcca 132960  
gtgctatgat gggacaggag acattgtctg tgccaccagg ctgagtcaca aatataggat 133020  
ttcaccagga aatggaattt ggcacccaac acttgtgtcg tcatacacag tticagtga 133080  
agaaaggga aaagagaaag gattaaatat cttctttacc ctttttctct tgccttcctt 133140  
ctgcctctct ggaaggaag tcctatgaca accagtcact catgtatggg ttgggagtgg 133200

agaaggaag tccatgatca cattttccag ttaaacaggg aaggctgaac acataaatct 133260  
ctgttgtttc cccaaatccc acaagataa cactagatga ataaagcaga ctcagtccca 133320  
gaggatttct ctcacttttt tccagcactt ttaggtactt tgcacagggtg tgttttttag 133380  
ggatttcatt ctcaccccca gatccactct tctctccatc ctgctttggg aggggtgacgt 133440  
cgagggatct catcaagtgg ctctctcgcc ctctgcattc cagctggatt tggtcagtgg 133500  
gaagccaagg acagaggaaa gtgaggtcag ggtctctacc taccaccca ctgctccctg 133560  
ccagtggagg ctgcagggtg gtggtcctct tccagcagcc acagcttctg cccagccacc 133620

ctgtcttcca gcttcaactc tccctcctgg ttctgaaac tgcctctct caggtttagg 133680  
ggtagtcaca actccctggg agcttcacct ttctttattg cactccttg actctgccag 133740  
gcccttataa aatgtccctt catcaaacct acttctcttg cccacttga gtatgccatc 133800  
tgtttcctgt gggactgaga ctggtattgc cactttttca gaaattgatt cttagactct 133860  
glacatgtat tttttgata aaataagaag caaagctaac aaaacagtaa agtcagttat 133920  
tactatagaa ttttatgttg ctataggatt ttataaaaga ttatacatcc ccaactgtact 133980  
gaggctgccc tttctgaatt gccttcctct ccccatccc actcaaatgc tgcttccttc 134040

cattgtcac ctaggacctc aaaacacca aatgagaatg tcttttctct gggctctgtg 134100  
ctaaactcag acgccaatcc agttcccatc cccaaatctt ctctctttgc caacactagg 134160  
ctgtcatcta acccaaaaca tactcaaagg aacaacgtta taaagtagat tattagatag 134220

gggtttctgg aatttttagct aagaggacac cttttaataa tagggagtgc attttcacag 134280  
atcatgtttc ctggtttaaa aatatatgca atttccgtaa aaactgagac ttgaagagat 134340  
tttaattttt tctaaatgat ttttgttttc tcaagaaggc tttgctgttt cattcttata 134400  
tatgcttcat caagttaatt cctagaattt ttttatgttt tggttattat gaatgagatt 134460

tccagttttc attacgtttt ctatcaggtt ataattagtg tacaaaaatg ctctcgttat 134520  
tcccatttat tgtacctcta tgttttttcc taatagtttt acctaataatt ccttgggtta 134580  
cataagtaat caatagctat ttgcctagct ggcatggtg gtgcgtgcct gtagtcccag 134640  
ctacttggga ggctgaggca ggaggatgac ttgaacccat ccttgaaccc atggttaagg 134700  
ccattgagcc atgattgtac cactgccact gcactccagc ccaggcaaca gagtgagacc 134760  
tcatttctaa aaagataaat aaacaaaata aaaaattaat aatttgcctg taaaacacaa 134820  
catgtttttg tctttttttt ttctgattac tcttccatga tttctgtggt ctcccacttg 134880

ttcactgaca aggtatgatg ttgactcttg gcttccagga tgttaaagga tgtttaagga 134940  
tgttaaatat agatgtacac ttctaatttt tttaatgggt gttgcatttt tctttctttt 135000  
tgagacggag tctcgtcttg tcgcccaggc tggagtgcag tggcacgac tcagctcact 135060  
gcaagctccg cctcccgggt tcacaccatt ctctgcctc agcctcccca ctagctggga 135120  
ctacaggegc ctgccaccac gccagctaa ttttttgtat tttttagtag agacggggtt 135180  
tcaccgtgtt agccaggatg gtctcgatct cctaaccctg tgatccgcct gcctcggcct 135240  
cccaaagtgc tgggattaca ggcgtgagcc ggatgttga ttttctaag ccatttcagc 135300

gcttatgat atgaacaaat aattgttact attcaatctc ttttgtggag tattataatt 135360  
actagttttc aatttgctag actattcatc cattctgtga tgagcctaatt ttaattgttg 135420  
tttgtttttt ctttcttta gtacacatgt gtaattataa actattcaca aagcattata 135480  
tttttggat acattttctc aataattctt gccttagcct cataggatga atattatgct 135540  
cctgatttat ggaagagaaa attgagtctc agagaggcta gagagttagc ccagttcata 135600  
gagcaaatct gtggtcgagc tgggtcgtga tatgaaagc agagagagag agagggttg 135660  
gaagagagag agagagagaa taggagggga agagagacag agggagaaga ggagagagag 135720

ggaaagagag gcagccagag aatgatgcac tggtgtgcc acaggtttgc actatgaaat 135780  
gcatctggct ttgaatctgg gtccatctga ccctagagtc ctttctacca tgctctcct 135840  
ttaagtgggt aatccattag tattgtcatt aaattcttca gatctacatg caagagtga 135900  
agtggtagac aattcctgat ttttaaatca actctttatc tgactgtagt ctcaaggcca 135960  
tactagcttt gaggagtaaa ttggttagtt cctacctacc tgtttttatt cataattgag 136020  
actttaaaag aattatccac acacattgaa tactttccct taccctcacc cccaattat 136080

ccaatttctt catcagttat tgggtgtattc aagctctttc ttttatgtca gttttagaat 136140

tttacttttt cctttaaaaa ttatccattt tattttagatt ttcatagttc ctagcataca 136200  
 actatagagt gcagtaagat cattcactat ttcctggcta aatttaccg tgttagcttt 136260  
 atctaataag ctgtgtagct tattaataa tgctactgtt atgctgttgg taatttacac 136320  
 acatccactt ttatatatac tgttccttc ttttctttt gggttgcct tttgttcctt 136380  
 tggagaattt ttatattgtt gacttagtat gctgatttcc ccatattgtt tttgttttt 136440  
 attaataata aatgcactta aggctgtgaa ttttcttagt gtagctctga gcccttccca 136500  
 gggaatttaa tatgtagtcc tcattttcat tgttttctta atagagtgcct tttgtgcact 136560

ttatcttctt gacataattg ttaattagca gattatttca aaatttctaa gtagtcagag 136620  
 agttttgatt tacatctttg ttcctaattt tgttttatth tgttttggtg agtgtgttag 136680  
 tccatttttg catcactata aagaaatacc tgagactggg ataatttata aagaaaagag 136740  
 gtttaattgg ctgcaggctg tacaagcaca actccagcat ctgtttctgg tgagggcctc 136800  
 aggaggctac aatcagggtc gaaggccaag cggaagcaac tgatgtcata cgggtgagaga 136860  
 aggagtgagg gacagaggga agaggtgcca cactcttcca aacaaccaga tctcctgtga 136920  
 actaccagag cgagaactca ctcatcacca agcggaggga gctaagccac tcatgaggga 136980

tctccccacc tgatccgac accctccacc aggcceccac tccaatactg ggggttacct 137040  
 ttcaatatga gatttgagg ggacaaacat ccaaaccata tcagtaaaag agtgtgttat 137100  
 atataatttc tgcttttttg tacttactga gttttttttt tttttaata acctagctta 137160  
 tgttgacttt caaaagcctg ttttcttatt ctgcctcagg tgccaagcta tgtgttacct 137220  
 agtgacacac aagtataatt agtccatgaa aggcctctct gggccttggt gttgttctgt 137280  
 ttgattccat ctaccccata tttattgtga ttactgtcct actataattt tttctgcatg 137340  
 ttattataca tttctgattg tactttctca tttctttttt tttagacacc ttttttctt 137400

tccattgcct aaattatttt cttctgctgg attaaaagtg attgatcca tttttttgtt 137460  
 gtgtttctta tgggtggtgc ctttaattga agacacgtac ttatgtttat ctctgttgaa 137520  
 ttcataaaca aaacaagtac tttagcatat tttataattc ctttggtctc tactatccct 137580  
 giacccaaat acacacttta tgttggttat tttctagaat tttatttctg gattgtatgg 137640  
 ataatttctt tttgtttttt ctctagtctt tgccttttta cacaaccata aacattacta 137700  
 aagtgttgtt cacccatagc tcttiagcat ttttcttatt tcactatttt ctacaagagt 137760  
 atttttataa tacatttttg caaggcaaac ccctaaggc cttatatgcc tgagaatttt 137820

ttattatgct ctcacattta aatgactgat ggctgacata agacctgcat tcagaaacac 137880  
 ttgtttttcc attgtccagt gtgtccttct atccagctgc ttagaagcct aatctcagtc 137940  
 tgaatttggg tgcttccatg gtgatcaaat ctctctctct gttttgcttt tccatttttt 138000  
 tgtttgtgtt ttgtttgggt tgttttttgc tgtctctttg atgttcttta ttttcacagt 138060  
 taatgtgact tgatgtcgtt tttttctttt taaaacctgg ttttcggctg ggcgcagtg 138120  
 ctaatgcctg taatcccagt gctttgggag gctgaggtgg gcggatcacc caaggtcagg 138180  
 agtttgagac cagccagacc aacatgggtga aaccccatct ctactaaaaa tacaaaactt 138240

agccgggagt ggtggtgcat gcctgtaatc ccagctactc aggaggctga ggcaggagaa 138300  
 ttgcttgaac ccacgaggca gaggttgacg tgagcagaga tcatgccatt gcactccagc 138360  
 ctgggtgaca gagtaagact ccatctcaaa aaataataat aatttaaaaa taataataaa 138420  
 ataataaaac ctagttttct attctatggg tcctttaaat atgagggtct tcctccttta 138480  
 attctggaga tttatttttt gtcaaatatt tcccctctc cttttttctc tttctgagcc 138540  
 tctgggtgact cagatatgtt cacttctact catttccttc atatcatctg ggttttat 138600  
 tatgtgtttt ttcccttctt acctcactgc tgcctttaa aaggtttaga tcatctaaaa 138660

atactaaaaa acaaactcaa aaacactaaa aaggtctatt aattaaagag aagaaaaagc 138720  
 aagtgagaag ttctcagtt ttatccctag gccactcatt ctttagtgcc aaccatcctg 138780  
 cttttacccc aactactatg ttgcttattt caactgttgt ggggggtttta ttataaacct 138840  
 ttatgttgaa atagcttcaa atttatataa aagttgcaag aatagcacac agaacttctg 138900  
 atcacctgtc accagattcc acagttgtta acattttacc acatttcctt tatcattctc 138960  
 tcacatata gatacatatt attttttggt aacttctgag aagtagcaga catcatgcct 139020  
 gtccttttac ctctaaatc ttcagtgtgt atttctgaa tgtttttgta atattttgta 139080

agagaacaag gatgctctta caaaattaca atacacttat cattaacatt gataaaatc 139140  
 tataatctaa tctatatgtc ttgttcaa atactcatt atacctctca tgttctccaa 139200  
 agcaatactg tatcatatca ctataatgta aaccacaaat atgagccagc tatgtaattt 139260  
 caagtgttct aatagccata ttaaaaaaat taaacagaag caagtgcaat taattttaat 139320  
 gttctattct atttatttta agccagtata tccaaagtag tagcatttta acatgcaatt 139380  
 catataaaaa tttattattg agacattttg cattctcttt ttcataatat gatccattgt 139440  
 atttttttac acitaaacgc acgtctcaat tcagactagc cacatttcaa tcacacagta 139500

gctacatgta gctggtggca accatatcac acagcacagt tttgtagcaa atcaaaaata 139560  
 aaaattctgg ttcaagatcc agtctaagat tatatactgc atttacttgt caggtctctt 139620  
 tagtcttgtt caatctggaa tgggtcttag tccttcttga ctttcatgac actgatgcct 139680

ttgaagagta caaggcagtt actatgtaga ctctccttct gtctggggct gtctgatgct 139740  
 ttctcataat tagattcagg ttgtgcatct ttggcaggga taccacagcc attatggata 139800  
 ttgttttaac acctaattha cttttgttc tttttctcta tttctgttc ttgttcata 139860  
 ttgctaacat gctcccgaac ttgagaata tgtattgtgc ttctgttaaa tttttggtcc 139920

atctgttgca ataagctgct tcatgttcag ctgcatctct ctttcgctag ttgtactgct 139980  
 tgggatttag ttactgtggc aggtgggtctt ctgtttctgt ggtgatataa atgttctgcc 140040  
 tggtagtgta tgatggggaa aggccaaatc ctagggtgtg ccccttctgg tgtgtataag 140100  
 gaaaaggaag gagacgagge ccaggcatca tgcgctgct atcaactctt ctgtttgctt 140160  
 tcttctactg ggtaacttat tcagttaagg attcatcctg acactcttag aacaaagcag 140220  
 gaataggagg aagtgatctc ctgaggttct aatccccagc cctgcaagtc tggaaacaga 140280  
 agggatgaag aagtgtatc ccagtgaagg ctgggattcg tttatccctg tctctcctga 140340

gagggcttta tgctgctgcc ctgagattat tctggctggg aataggaata gagctggcct 140400  
 agtctgcag acatctgggt tgcaggacag gcaaggaccc agaccctccc ttggtgatgt 140460  
 caaggagggg aaatgagaga actgcaatag tctcacaaa tccatctcc caccactggg 140520  
 ccaggagaaa gaggaggatt catcactcca tctatctct ttttctggg tcaggatagc 140580  
 ctttgatctc ctctttattt cagtgtctct gttagtctct tggatctgtg ctccctctg 140640  
 cttctgaagt ttccctgggt tgaatttaga ggatgaggag cacatgctaa ttcacgtct 140700  
 tatcaggaaa cagcaataac atttcagggt tttttatttg ttgcttggt tgttgttcaa 140760

tctattaaat tgttggcaat acctaccctt tctgctgtat gtttaattat gcttttcagt 140820  
 ctattaatat atcatcttct tattaattta tcatattctg ataatggggg attaatacct 140880  
 tgttctaaaa ttgtatactt attaatctcc ctttgatttt tataagggat ttgttgctat 140940  
 gttctttgaa cttatagac ataatatcat tatgctctca ttattaagge ttttatcaca 141000  
 taattaacag ttagcttgct ttaataactt ttaccataat tctaccttgt ctgaaatctc 141060  
 acttgctttt tttcccttta attagtagac ctttttagtg atttttaaat ttacttttta 141120  
 gtgtttttat ctttttcta agccttttta aagatttccc agtaaattat tgcattattc 141180

cagttggaag catttttttc gtttttgtgt tttatttttt cttcctcaa attgtttgag 141240  
 cttatactta ttttaacct agtcgctta gggttatgtt cttccatttt actttttatc 141300  
 tctcaatttt tatagttaat ttgttttttt tttccctaga tgttctttgg tattatatac 141360  
 acaattaatt tgtttggttt gggttttgct tattttaatt tcttttagca actgtcttct 141420  
 ttttaatttg attagctgtc aatttaagat aaaccacaaa gatttcatta tcaaatggg 141480  
 atctttgatt ctcttttatg ggaaactttt gttctttttt tgttcttccc tactctgtta 141540

ctgcttccat ttttcattga attaacctgt tgcacagttt atttatttta atctgctttt 141600

attctaacaa ttttcctaata gcccaactcc tatcacaac aattctttct attgtttttg 141660

tttacttate tcttcaatag gtacatacta attcaagatt tcatactatt tttaatagca 141720

tcatcttttt tcaggctctat cttttaagat cagatttctt ttgttagtaa cttttgaagt 141780

cagtgcctgg ccatttagtg gtgaccaaatt ttcttaagac tgaaaattca tgaacatctt 141840

tacatttgga taaaaacttg actgtataaa gacagaaatt atacagcttc tttactctat 141900

ggtagtgaca tggttttttc attacaatga agtccttgtc tacttatgac tatatctttt 141960

acatgaaata tgtaacctag ctctctgcag aatgttttct tttccttttg taattaaaat 142020

aaaatatttg atgatacatg ttgatttcag ttatttttag tggatcttaa atagggtctt 142080

gtttgtactt taacctttaa ctattttatt aatggttaca tttttcttct agtggatctt 142140

ttctttttct aatcttcaat gttttattct ttgtttgctc attcattcca taaatctatt 142200

caaagcatct atttcatgca agcaatgtgt tcagttcatt ccttctcttt ctttaggaac 142260

tcctatctct tccagagcac tccattctcc agatcttctt ttgcataatt ttatatctct 142320

tttcatgctc tgcagatttt ttcttagttc attttctctt tctctgtag ttacctgtag 142380

catccaattc tacattttac ctatactacc attgtttact ccttctgccc ccttctgct 142440

gtaatgagct cttctgaaat agatataatg tctttcttcc acatttaaga aatagtttat 142500

aagtattttc taaatcctgt ttgatttctt gtttcatttc atggtttatt gattcatact 142560

tccatcccc accccacct gcaccaggt tcttaattca tctttcttct ctctgctctg 142620

acaaacattt tcaatggctc cagtcattta ttccccitta ctcatcttcc cttagatttc 142680

tcatgatgat atggctgcta tttctgaaac ctttgcttca gactgtttta ttacattta 142740

aataggcctt gaaattggaa ggttcacagg ctctactca gacttctcc tggaggctca 142800

aaaactttat ttcttgagca catcatgtcc taaataacac acacctgtat tggattggcc 142860

attcagaatt agatattaca ttaaatttta ctttcttat atctatcaag gtaaagtccc 142920

attaccactg agaggggtaa gtttaattat tgataacttg cttgccattt actctgctg 142980

gttggcagtt taaagagcac atgcttctg catctcattt atgtagctta agtagtcacc 143040

tgttttgaac tgatttgaga gggaagactg gattcattgg caagtcattg atcaattatt 143100

atgtaagctc taatgctagc agtctcctag caaaatggat gtgattaaca ttttaagcacg 143160

atgacaaccc atgcattttt catttactat ttcttcaaaa cctatttgcc agttctctctg 143220

ctgtgattcc aagaaatgca tactttaata ataaagactt aacttttctt ttgtatgaaa 143280

atattataaa caccaaaaaag ccttatgaaa ttataggagg gggaatatca aagaccatta 143340  
acaacattat gtatggtcac ccaggaattt gcacacaaaa ttctgccaaa gctagtgtca 143400  
tttatgtact taagttttcc aaacaacgag ttgaaaaata taccctcaag aattgtttat 143460  
gccaaagaagg gccaaactatt tataatcaca agtggagttt ctgcaaaggt ctctgccagc 143520  
cactacagtc ctggcataca tccctcccaa tctgcaaaaa ctctactgtt tggggttgaa 143580  
agtgaagcat gagtccaaag aaatacttgc agctttttcc tagactcagt tgaattcaga 143640  
gtgaaagaac atagaagacg acaaagggta taggaaatcg cagcataggc agccctgcct 143700

tatttttagt gaaaaggatt agtactggta gccctgcagt aaagctgac gcctgtgac 143760  
agggagtagg atagtgttaa tccctttact ataccactga gttgattgat taaattgaaa 143820  
gttatgagtc aaatgcccc agagcatctt ggaaccttcc tgagtctgtg catattcata 143880  
tggctctaata gaccttccac tgggaaggaaa aagtgtgtgc tgcctgcagg gaacacatga 143940  
agaaaggctt aggacgaagc aaaacttttt cacaaccacc agcaagagtt taattaaact 144000  
ctgtctaaca ttataagctt gcctcaattt aagagcaaaa tgtaccaggt ttttctgca 144060  
catggagcct cccagggtct tgcagctcaa gtggaaagaa caatgaaaag cagaaggctt 144120

tcattttaca tctggctcct tgaaatgggg ctaagaggct ttctggaggg ttttgctggc 144180  
tgggacagtt agtgtttaca gatgtgagt gctttcagtc attgaatgta aattgcattt 144240  
gctttgttc acacacctg ggaaaaccaa gaggaagaag agaaataatg ttcctttatc 144300  
cgccacaca cattgatatt caaggcacag tcttttcagg tttattgggt ccctaagcaa 144360  
cctttgaaga gatctgtaca tctgtccggc tgtccgtact ccagcggaca tggattcctt 144420  
tgctttgctt ttcaagtctc tggttccatc tttgggtccgt tgactgaatt ttttggtaaa 144480  
catttcttgc attcagacct gagtggccac ccagctcctg ggctaattct gcttctctct 144540

taaaatttga tctgtattct gaaggcaaga tcctcaggaa aaaaaaaaa aaaaaaaaaat 144600  
gaaagagggc tagcttttaa tgtggaagct aaaagcctaa gaagttaaact aaaataggaa 144660  
ggtgggagag agagcaagtt cttgtgaaa taccaaatcc ccaaaccaga tcagagtaat 144720  
gcgagagtgg aaaggaagcc tttctaaggt gagagaaact gtaatctagg tttcttttgc 144780  
accttgcagc tccccagaaa agagtagcca atggtcagca ctccgtgag aggcaatata 144840  
tattgtatat agtttgaaca ataatggact attgtgagtc agatccatct aggagtgttg 144900  
aatctgagac ttactagagg ggcttatgga agctacttaa cgtgtctgtg cctcagtttt 144960

ctcatctgta aagcagggat aatcaaatca cctatctcat gaagcagttt taaagacgac 145020  
ctaggttcaa agctaactct caccatttac tagctgtagc accttgcaga agacactgac 145080  
ttacactgac ctccagtctc ctcagtaaaa tcacagtcta catcactgta ttgtttaga 145140

gttggatgag ttaatatctt tagaataggc ttggaatatg atgaaagctc acaaagtgtt 145200  
 cgtcattatt attttaaaat gagacgatgt ataaatgggt cttagctcag aacaagacca 145260  
 acagcaagga ctgtgttagc tatggctata atgtgcttat ttctagcctt gtcctgctac 145320  
 ccacccaaat tcicaacctc taaataagga tttagctctg atctcatgct gatattcttg 145380

ataagcttc tcacttgatt ggcttccatc acctgatgag agtttgcga gattccaacc 145440  
 tgactcctga atttcttcca tgtaccaagt ggagagaggg ccaagttcca ggtatatatt 145500  
 gtcaccccta acttcacaaa taccactgga agtaaaaggc ccaagtta cacttgacag 145560  
 accatttata aaagatttta tactacaagg cctaaccagc aatgaggaaa tagagttttc 145620  
 atttctgact ttttcccta tcagaaagga atttaataac aaataaaata tatccatttc 145680  
 agcagccaac cagacaaaca catggaacta atcagcta atttaagttag tatttgatga 145740  
 cctttttttt ttttgtaaat aagaaaagag aagtcagtgg agtttggaat ttatgtgttc 145800

tgtgatttct gtggccaag gtcagtttta ctgatttct ctccctct ttgcctacca 145860  
 cccaaccccc aggagcacat aagcaattat taggtgggat ctctctctat gtatcctagg 145920  
 ggctgagcaa caagcagtta gagaggaatc aaagctggga gaaggttaagg aaaccattta 145980  
 attgttgagc tgagtcctgg gcagctcctt ctcttctgc ctatgccagt ctacatggt 146040  
 ctctgattt cagcctaacc catcacttct ttaaggaagc tctcctgat tccccacact 146100  
 ggactgggtc tagttcttaa acactcttta caactctttg tgccttcca gctatctatt 146160  
 gttctgttta tcattctgca ctggaactcc tggctcagt caatcctccc acctcagtct 146220

cctaagaagc cgggactaca ggttcatacc acgataaata gagcaacaag ctctatttat 146280  
 tgtttagtag agctgcttca ggtttcccta ggtttatgtt cttcaggata ttccatataa 146340  
 tttaaagctt acagaaataa gattaatact gaaaaaggat taagactaaa tttttaaac 146400  
 agctgtaaag tggtagagct gtgcaccaat aacataaaca cagcttaaaa ttcattcagt 146460  
 caccagcttt gaaactacgg ttcttgcaat ttttaattt ggggaaagag aatttgatt 146520  
 gttttgcaca tttgtgcac agagtggctt tactaatatt tttaatatt tttatatgtc 146580  
 tttattaata ttttatgtt tctatgcctt atgacatgtc catataggtc caaatcagac 146640

tgtctgtaa ttatttggtt aattaaatta actggctccc ccaataaagg ataagttcca 146700  
 ggaactgtaa ctaccttg ttcatctcat tccaccagt gcctagcaaa atggtatgtg 146760  
 gtagacactc aagaacctg gaagggtatt agaaggtag aaactgacac cttctgagaa 146820  
 taaaggagga aaactttttt cttctctgtg ggcaggaagg acagcatgtt ttccatctca 146880  
 aagacaggaa agagttaact cttctctgtg gatccatcag catctgcct actcctgcgt 146940  
 cacagcacag atcctaactg gcaaaattat taatctctt tccactgaaa tagatactc 147000

agacagattc ctttctgact gaaactgttc tgctgtgaaa gactaacaac aaagcagatg 147060

ctccttcattg cctggccagt tctatcagtt atcctactgg ccatccaggg taggaagaag 147120

actaaagcct tctaacacct gacatctccc aatccaggag agaataagag gaaattccca 147180

gttactgaga agtgaattgc agctcccttt ttgaggatc taataccatc agccacccca 147240

tctccttatg ggcccagaaa cccatgatct cttattttat cttctctttt ataagaatta 147300

ttgagtaatt gctatgctgc ctatactgtg tcagttgcac atcaattaaa caattgccta 147360

attggactat acatttctta cctactcct ggtacaaaa tctgtgttag agttctccag 147420

tgggacaaaa ccaataagat atatgtatat aaaagggagt ttattgggga gaattagctc 147480

acacaattac aagatgaagt cctatgataa gctagctgcc tgcaagctgg gaaaagagag 147540

aagctggtag cctggccag ttcaagtcta aaagcctcaa aaccaggaaa tctgatagtg 147600

cagccctcat tctgaggta aaggcccaag ggctcctgga aggcactgg tgcaagtgc 147660

agagcccaaa ggctgaagaa cctgaggtct aatgtccaaa ggcaggagga gaggacgagt 147720

cttctctcc cagtcactg gctcaaatcc agtcactgg ctcaaatgic agtttctct 147780

ggcaacaccc tcacagacac atccagaaac aatattttat cagccatcta ggcattcttc 147840

aatccagtca agttgacgic taatattcac tgcacacct gccctaggct attgtttccc 147900

tgagggcaga gactatgttt tgttcattgac tgcatacta tctcccagcc tatgcaaac 147960

aaaatagaca actagaagta tcaaatgaat gacagataac agaattgata gatgaactgg 148020

gattctgggg ttactccat cttttagt aatatcaagg aatgtcata aaagacagaa 148080

tctaaacctt ctttaaaatc tatattagtt aaatgcatta tgcttctttt aatctataag 148140

ggctgcaaaa atctctcata ttacctcaa ccttgggca gcaatcatta gtatcttcaa 148200

gataccat atattagaaa taacacggga caaactctct atatgatga cacatccttt 148260

tccttacctt tcattttctg tgcattcttt gctttttccc tgcattctat gattttatgg 148320

cagactctca agaaaggcat tagagttggt tgggactgtt actatatccc cagctccagc 148380

accatatctg atatagagtt agtgctgaat acatgttact caacgaactt gctgcaagaa 148440

gtcttcactt ttaagagaat atttcaatta cttaaaacga tcatagaagg gaggaatatg 148500

tacgtactaa caatctaata aggttactca gaattgtata cacaaaactg ctgaagctaa 148560

cagcatttat atgcttaagt ttcccaaca atgagttgaa aatataccct gaagaattgt 148620

ttatgccaaa taaggctgac tattcatgat catgactgga attgctgcat gttttgtgcc 148680

agccacttca ttctgcca acatcctccc aatttgcaag gattcttggg ttctgttttg 148740

aaaataaagc agtaaaatgc ttcttaagct caacttatgt ggggtcttat tcttcattag 148800  
 tacttactta agctatactg attagagtaa catcttaact cttttgaaat gcttatittg 148860  
 attgacaaag tgacatggaa tttctaaagt gacaaatga ccaaggagca cagaaacaag 148920  
 tcaatagaat tggatgta gcttgagttc tgaacactca acacttgaa agaacctcat 148980  
 accacctttt gtgccagaga caccgagaac ctgaaaggct gtcagtcaga tttttctatt 149040  
 agctgaagca agaaaacttc ctcatcctgg tggctcctag gccaaaattt gcaggggaaa 149100  
 aaaaaaaaaa ggaaaaagaa aaaagctggc agaccaaagc cttacattga ccaaggtctt 149160  
  
 aaacacagca actagagatt atatgcttgg aaaataattt ataacaaaca gcgcaaaagc 149220  
 actcctgata agtgagcctg ctgaagacc ttcagactca gtccagacct aggtttctaa 149280  
 ccagtgaagc tccttatttg gaagaactgc acaagagttt agcaaccag cattgtacca 149340  
 atttcaaca gaccattaca tctaaagctt tattaagcat gtagactctg cagtcagaat 149400  
 aaatcctgcc tccaccactt attacctgca agaggctagg caagacattt aactcctctg 149460  
 tgccttgggt ttctcatata ttaaatgggg ataataataa tactaacttc ataggactaa 149520  
 tgtgaggatg aagttaatta atttatgtaa agcgtcaga agagcgcta gcatatattc 149580  
  
 agtgttatat acttggcagc tattattatg accctttttc atgatctatt tcttgccttg 149640  
 gacccagtt ctcataactg ggtcttaatt ttcagcatg tgtcaattcc atagatagtt 149700  
 aaggactgcc tgctatccag ctgactctgt cttttataaa atggcctttt tcccagcaa 149760  
 gaccatata ggagccctgg ctttgcctt ccaggatga agtccttcc ttgctccttc 149820  
 taattcttcc aagcactaga attctgcctt ttattgctgc cagacctgcc tgatgccag 149880  
 tgtctctatc accatctgct cctaaccct gatctgcct aacaccagg gatttctggc 149940  
 ctgcctgctc atcccaatc cgatctttct gtctagtctt taacctcagc tgcctggtct 150000  
  
 ggtcttgatt ctgacagcac ctttgaatt tgttcaagca atgaataagt tattcaaac 150060  
 ctttatttcc ctccaaggga gaactaggaa gccagacctt ataaagcaa aggaattcct 150120  
 gttgccccct tactgcaata attaatctc taagaaactc aaaaaagcac taaggaaata 150180  
 accctctaat cataaacaat ccctctccat caagagaaaa cagacctctc ctgcctggaa 150240  
 ttgcttaaac aggagtcttc cattcacca gagctccagg gacaaaccag ccaccagcta 150300  
 ccacaatggg ctgcaagttt cagaaacttg caaaggggaa ttttcatcc tgattattgc 150360  
 ctttgagtg ttctcagctg ccagcatgtg atggaggcg tgggtatgag cctgcttttg 150420  
  
 tgttcttaaa taaggctaag aggtgttct cttcgttc ttagccctag acactcatca 150480  
 atcaaccaga tttcctgagt gcacctacta tgtgcaggc tttggaaagc aagtcacctc 150540  
 ctatgactt tttaaattt tttttttt tttttttt tttttttt tttttttt 150600

tttttttga gacggagtc cgtctgtcg ccaggctgg agtgcagtgg cgcgatctcg 150660  
 gctcactgca agctccgct cccgggttca cgccattctc ctgcctcagc cccccgcta 150720  
 gctgggacta caggcggccg ccaccacgcc cggctaattt ttttgtgtt tttagtagag 150780  
 acggggtttc acigtgttag ccaggatggt ctcgatctcc tgacctctg atccgcccgc 150840  
  
 ctgagctcc caaagtgtg ggattacagg cgtgagccac cgcgcctggc caaatTTTT 150900  
 tttaaatgtt tctgcataca gagtgggttt atatgtgtat agggTactg agatgtttt 150960  
 atacaggcat gcaatgtgaa ataaacacat catgggtaat ggtglacca tcccccaag 151020  
 cttttatct ttagattaca aacaatccaa ttactttt taagtatta aatattttt 151080  
 aatatacaat tattgacat agtcacctta ttgtgtatt aaatactagg tcttattcat 151140  
 tctttcta tttttgtac ccactaacca tcccccttc cttctgtcc cctactagc 151200  
 ctcccgacc tctggtaacc atccttcaac tctatgtcta tgagtccaag tgttttgatt 151260  
  
 tttagtcctt ttgtacttta aaaaatattg gagggaagct aataatcaag gcaaaacaaa 151320  
 taaagtctg atgtgcca agcagaaggg actttccaa ggtcacagag ttcaaaagga 151380  
 gcagatccag gatttaatta catcacctg tgaatacag attgtttgac acatctcact 151440  
 cagttcactg gaacttgcc tgttcagct taatctcatg cctctgcaa atcatactct 151500  
 tggctccaca tccgtccagg ttcttagaga gcagctctc attctgatct ccaggcctt 151560  
 gcacaggctg tttctgtga ttgccacct ccatccagcc tctatttctt cacttgactg 151620  
 tttgcttgcc acccttcat tctctgcat aacccactg cctcagaaag cgtttccaa 151680  
  
 ttccccagtc tgtattggcg gccctcctct tttctgtct gtggtatcc tatcacgca 151740  
 cttccacac tgactgtaa ttgcctgtcc tcacgttta tccccata tgctgagaga 151800  
 cctcaaggg caggacctt gtctggttc tctctgaac ccaggacca tatgtaggat 151860  
 ttagagcaca aacgtgacag tgaattttg ttaaagtaag gtggacaaa ctctctctt 151920  
 accaagtgc ctccctgaca ggtcaaatcc cagactaaa atagtagctt tgcaactcct 151980  
 ggctaattgc tccaggcagg cactctgtc ccagagcacc tgacctctga tctgtaaaat 152040  
 gtctggggt aacatgtgtc ctccacctt tgcctctac aggtcactg atcatcactg 152100  
  
 tcatttcct gataccccc ccattatggg agaaggaaac tttcagttt catccaatgc 152160  
 agctcaagca tagggtaggc cagagtgagc ctggagagac aagacaagaa aagtaactct 152220  
 gcttctgcc tactcagtt agttttctt tattaaaagg gaactttta ttgaagcata 152280  
 acatatacac agaaaagg gtaaatgtat agtctatagc tcaaagctt acattcatgt 152340  
 gaacacgtt atttaccag caaaaactc taaaatgac taggactcca gaagcctccg 152400  
 tttgtcccc atccagtcac tactacatct tgacttctat catagattaa ttggcctgt 152460

tttaaaacat tttataaaag gaattttaca atatgtactc ttttgatctt ggctttcttt 152520  
  
 gtttatagta tatagttaac tttatagttg gtgagattca tccatgtggt tgcataatcat 152580  
 tttggatatat gttctttctc atagctgtat aatattccat tgcataatc taccgctttt 152640  
 catttatcta tcctattatg gatgaacatt tgggtagttt ccagtttggg gctgtaatga 152700  
 acagtctgc tatatgctat atccattcat gtatatgtct tttgataaat atacatttgc 152760  
 ctttctgttg gttagatact agatgtggaa ttgctgggtt gtaatgtaag tggcttagct 152820  
 ttaataaata cagctaaaca atttccaca ccaaaagaga tctaattaat ctacatcctt 152880  
 gcccatactt gatattgttg atatggtttt gttttgtttt gttttccac ttttaactact 152940  
  
 ggatgtagta gtgataatcac gttgggattt tgatttgtac tttttgaaat tttgcctagt 153000  
 gtgtgtcat tgaccatttg gataacctga agtatttgtt cagatgtttt gatcgttttt 153060  
 cttttctat tatattctct gccattttct tattgacttg tagtaattct ttatatagtc 153120  
 tagataaaag tcctttgtca attatatgta ttgcagacat cttctcccat tctatggctt 153180  
 gcctttttac ttttctaate ttttggtaaa tagaggattt aatttaaatg tggccacat 153240  
 tatctttttt ttgttcata ttagcacctt ttttgcctca ttaagaagt ttttgcctac 153300  
 ctcaaagtcg tgaagatgtt ctcttgtatt tccttccaaa agcttcatag tttttatctt 153360  
  
 tcatacttag atattgaact gatctgtaat tgaatttgtg tatggtgtga ggtaggagtc 153420  
 aatagtcctt ctgaattttt ttttacagga ctattgattg aagtgccat ctttttccca 153480  
 cttcattaca gcattacttt tgcatacat caagtactg tacatctgtg ggtctgtttc 153540  
 aggactcttc tgttctctg ttccattgct gtatttgtct gccctgcaa taataactg 153600  
 tctttattat gggtccttta caaaaagctt tgatatctgg gagtgcttc tgattttttt 153660  
 tcttcttcaa gattatttgg ctattcttgg tcatttgcct ttctgataa atgttagaat 153720  
 catgatcat ttatattttt aaaaaacctg ttattgagac tgtttttgaa ctcatagaaa 153780  
  
 aacgtgggga gatttgacaa ctttacatta ttaaactctt caatcaatga ccatattatt 153840  
 ccattttatt agttttactc taagttctct caataatgtt ttatagcttt ctgtggataa 153900  
 gaagtctgtt tcactttttc atgagattta ttctgggtta ttatatgttt tatgctattg 153960  
 tgaataataa ctttttaaaa tttcattttc cagttgtttg tcactgggat ataggaataa 154020  
 aattgacttt tgtattttga attaatcttc agagactttg ctaaattcac ttattgcttc 154080  
 tattactttg tatatagatt attttggaa ttacgtacac aataagttat gccataaatt 154140  
 ccttctaat ctttatagct tctctttttc cttcttgctt tattgcactg gctattacct 154200

ctacgatgtt aaatagaagt ggcaataatg gacattcttg acttggtccc aatctcatgg 154260  
 ggaaagcttt taatatccat cattaagtaa gattattgct atggcttttt tgtaaatatt 154320  
 tttatcacat taagaaagtt tccttctatt attagtttgc tgatatgttt tcttatgtga 154380  
 atgtatatca aatataatca gatacttttt ctgtgttcta tgaacatatt catgtaattt 154440  
 tttctgttaa tgtgatgaat tgtattgatt aaattttgaa tgtagacta cccttgtatt 154500  
 ctgggaataa accctacatt gttattatat agcatacttt ttctaattta ctggatatag 154560  
 agtttgctaa tattttgggg ttgctacatc tatggtcattg aaagagattg ggcttccatc 154620

ttaactttta cctcaatttt gagatggatt tttttctacc tgggctgacc cctcttttgt 154680  
 cctatatata gacttagtta aatagacttt gcttctatta ttagcttaac aaacttcacc 154740  
 cagatcctct agtttatttc ttattgacag aacaaaagct ttctcaacga caaactagtc 154800  
 atgagccaag tcatggtcca accactccct ggcagtgtgt ccactgtcac attatagatc 154860  
 ctccctgagc ctgtttcctt atcaatgaaa tagcattgaa aaagaagtta gacaatgcat 154920  
 aataaagcac ctggtacagg cagggtctca gtaattccca tttctcacta cctcttctct 154980  
 tctgcttaaa aacttttcaa atacagaaga gcattggctt acttatttac agggcttagc 155040

catcagagtt aagattgaaa tctgaaaaaa tgaactaatg ggggtgggag atgtccattc 155100  
 tttttgttat actctaaaaa acaaagcgaa gttgtttact gctcctgcta agcttcttta 155160  
 aatacaagct cctagatttt taaaattaga taaacattgc tagaatttat catctgtagt 155220  
 gctacagttc ctccctggg gcttcaaact caagtgttag tggagtatta cacatttga 155280  
 agttgtccag gaatatagcc tctctccac atttaacaat gtttatgtgt aaaagtcagc 155340  
 ttggaaggac acctttaaat aatgctcttt ctggatatat aattgcagtg ttacttgtca 155400  
 gtgcataata aaccatcaac cagcctttat tgtaccagtg ggaatgagag tttgagggtg 155460

ccctgaaatt atgttctttg tgtctgagat gagaattagg ttagtagcta ggctttattt 155520  
 atagatatcc aaataaatca ggagtcagaa gttcagaaag actgggctgg gaaggctgag 155580  
 tccaaagaag gctgaagtct atgaacacca agagtcaata ccctaattgc tatcaaggac 155640  
 actggatagg tccatccta ctctcccca ttatctccac cccaagaact aatcccgtg 155700  
 acaggcatga gtgacatcag aatgaccttc tgactaaatc tgaacttggc tcaagctgtg 155760  
 gatccccagt ggagtagaaa gggcaaggcc ttaaggttgg cagatcaatg gcaaactca 155820  
 gcctgccac ctacttgcaa ctgattctc tcaccataac atggggatgg taactgacct 155880

acctagcaag acaactgtga gaatggaagg gtattagctg atacctgtga aggacatgat 155940  
 gcagggaaca tgetcaataa taaatggcag tgatttgtat gatagtata ctgatgagga 156000  
 tgagacaatg acaatgaaga caacatctct agctttgaat aaaggggtgg tagaggatta 156060

cctatattat gcttatggaa acaggaggag catccctaac tgcctttttt ctaatcccca 156120  
 caattatfff atggatctct gggcccagac acatgatctt agttggacaa gccatgtctc 156180  
 aatttgtgtt ctccataaag caggatctga ggcaaggact gcaggtactt cgtgtagaag 156240  
 gtgatagagg aagcagaagt gaaggaatag ggagagagtg acaagggagg aggaagggtc 156300

aaggtaagag tgcattattc aggtcactgg catcagcgta cctctgagag gtgtatagaa 156360  
 tgagtccaga attgtccact ttccagaatt ttctactage acccaccccc tattgaccaa 156420  
 gggttgtctg cagtagtgtg aacttcccca cactcccagg cacttgcttg ctggctaaat 156480  
 tgactctcaa agcttcagag aaggccatga gtcagtcaac aggaagaggc ccttgaggta 156540  
 gacactcact gatagcatta gcaagtgtct actgtgcct gccatagtgt tggctgaaat 156600  
 tggaggtgga tggagagtct gtgatacagg gcaccaaagt tagctgtctg aggccaagtc 156660  
 ttagttcaag tgcagactcc tctgcaagc tgtctacttg ccacatgtga tacacaattg 156720

tgagagtccc ccgtcgtcag tagagtcttt cctctcccat ccccttgtga cagaaaggac 156780  
 tactgcaca gttggttctt atatttagca gtacacaaac gtacacaaa ttctagagct 156840  
 gtactgtcca gtacagtage cactcgatac acttaaatgt attagtttat ttaaattaaa 156900  
 taaaatttaa aatttatctc ctacgtcaca ctggccacat ttaagtgtct agtggccaca 156960  
 tatgagaagt ggctaccata ttggacagtg aagtatagta tacttccaac ttcttggaaa 157020  
 gttaaactgg acagtgccac tcttgagaga gtcagtctgg atcctaattc tggctctacc 157080  
 atatactagc tgggtggccc tgggtgagtc atttaactct tctgtgcttt aatttgctaa 157140

tctgtaacat gaggttatit ccatgattaa ataacaatat gtaagcatat agtaaagtct 157200  
 cactacatgt taatgattat tatttcccaa ttcccagggt aatatttatg caaggcagga 157260  
 agtacttaaa gagcctccaa ccttgattca ggccctgggt ccttgaggc tactctctgg 157320  
 gcttctaaat tatctctgtg ctcaatatgg ccatgcccat atacctccca gtctccaaac 157380  
 agggatgttg ctttagccct cactgccttt tcagcttgct agttccccc cctaagtcca 157440  
 gaggtgggag ctggaacagt cacccccagc ttatgtcagg agccctactg cctgtctctg 157500  
 gaaacttctg tctgtgtgcc tgactcattc tgtcaccatt tteccaccac ttgcccacc 157560

tcccaatggg cctctgcaat cccaatgtg actatgacct gaactgacca cctcacttta 157620  
 aatgcttgct tgcctctaa gacctgtcc taccctaagt gacaggtcct gtgcatgtcc 157680  
 tggtttgcta ccaatttcta tctttcctag agaaataaaa tattaatatt taaaataacc 157740  
 attattgaat gttttcttgt gtgccaggaa ctgtgctaag ggctgtaata tggatttcct 157800  
 tccgtaacct catcacaacc atagaagata ggtactatta ttatttccat ttcacaggta 157860  
 agaaaactgg atcttagaga atttacatag ttgtttcaag attgcacagc aagtatatgg 157920

tgaaaacaag aatgtgatga aatccttaag ccagtaggag gtccttttct tctttcaaga 157980

caattgaaaa gaaggaggga ctgatgcata caacaacatg gataaatctc aaatgcatga 158040

tgctaagaag tcagactcaa aaggetacat actgtgggag accacttata tcttgaaaa 158100

cttaaaacta tagggacaga aaacaaacca gaggttgcca agggctggga gtggtggtgg 158160

ggttggttaca tgggaatgtg ggtaggtaat acaactattc attatcttga ttatagtagt 158220

tactatgtag ttgcctgcat ttgtcaaac ttgctagact ttacattaaa aggggtgaat 158280

attactgaat tcaaagcata cttttatttt taaatggaaa ataaagaaga tagagagtaa 158340

ttttcctctg aatgcccccc agcaattgtt caaatgtggg aatagagggg aacaaacatc 158400

agtttaaaga ttiggtggag aaaataagct cgggttcaga ttgcaaggaa gataattcaa 158460

ggagaggaaa tggaagcagt ggggttcagac tgaccttctt gaaaagcctg gaggtgcagg 158520

aaaggcaaaa gatgggcttt tgtgagaaca aagcattgat ggaagatttt tttttcacc 158580

agaatgagaa aacttgaacc tctttactta aagggagaag ctcttcagtg aagaagagat 158640

taaagtgca cttaccac atatttccca ttccagcac tctttattcc ttcattgata 158700

tctgtatttc catctgtttt cattttcctt cagcctaaag aacttccttt aatatttcat 158760

atactgcaga tigtctaata ataaattcac acagctttca tttattttaa aaaacgtttt 158820

atttttacc tcatttttga aggatatctt tgcaagacac agaattctag gctgacagtt 158880

tttttttta agcttttaag ttgtcatttc attgtcttct agtttgctt gtttttgaag 158940

caagtcatca ttcttatctt tgtttccctc attgtgtctt ttatcgcttt ttgttgcttt 159000

gaagattttc tctttttctc tagttattag attatgatgt gcttaggcat cattctcttt 159060

gtttttattc tgtttgggtt ttgtgatct gggatctata ggttggattt tttcttcaa 159120

tttgggagaa tttcaggcat tgtctcttaa aatatttttt tttatttatt tattttttt 159180

gagatggagt cttgctctgt cgcccaggt ggagtgcagt gcacgatctc ggcccactgc 159240

aagctctacc tcccagggtc ataccattct cctgcctcag ccgctgagt aactgggact 159300

acaggcgccc gccaccagc ctggctactt ttttgtattt ttagtagaga cagggtttca 159360

ccgtgttagc caggatggtc ttgatctcct gacctctga tctgcccgc tcagcctccc 159420

aaagtgttg gattacagc gtgagccact gtccccggc tgtctcttca aatattttt 159480

taactcaatc tatctattct ctcttcttg aactccaatt accactatgt taaaccatt 159540

gtttttattc cacagtcatt tataccctag ttcatttttt tcagccatt tttctctgtg 159600

cttcattttg aattgttttc atcacctat cttttagttc actgatcttt tcctttgctg 159660

tggtcaata cagatattat atttttcact tctgaaattt ccatcagagc tttttaaaat 159720  
 agtttttatt tatctaccaa aattccctat ctgttcactc attatgtcca tctttaaatc 159780  
 ctggaacata ttgataatag ctgtttttaa gttcttgtac gttagtcca catgtcagtc 159840  
 atctcaggaa ctccgttat tgactgtggg gctttttcct gatttggggt tacatttcct 159900  
 gcctttatac tgctcttgta attttttttt tttttttttg agacaggatc tccttctgtc 159960  
 acccaggctg gaatagagtg gcaatcatag ctcacttcaa ccttgaactc ctggaccaag 160020  
 tgatcctccc acctcagcct ctggagtatc tgtgactaca ggcaggcacc accatgcccc 160080

gctagttttt aaaaaaattt tgtagagatg aggctcact atgttgccca ggttgatctc 160140  
 aaactcctgt gctcaagtga tcctctcacc taggcctccc aaagtgtgg gattacaggc 160200  
 atgagacca tgcccagcca tgtctagaaa ttttttattg catgatggac attgtaaata 160260  
 ctacattgtt gagtgtctgg attttttacc ttcctttaaa gagtatgaca aatggttaat 160320  
 ttactgatgg atctgctca ttcctttccc aggctgttt tctaagctgt gttggggtaa 160380  
 gctagagta gcctttactc tagggcta at gtagtttgc tactaaattg tagcctttct 160440  
 agggtttcag ttgaacatat agtgttcagc aagtctctc taacatggat gggtagatat 160500

tttatatctc tagcattgtg tgacctctag aatctctatt cagctcttag cccccaggg 160560  
 gctgttctct gccaggcctt gtaaagtgtc acctgcaca agtgaagctt agtgtttgg 160620  
 caaagattta aggggacttc tatgcataat ctgaagtcc atctccatgc agcttcctcc 160680  
 tctctggcat tctagcccat aaatctatc tactttaatt gcccacaaatt ctacctcta 160740  
 cctctcagc tcagacagtt taccatggc agttctactc caccttctg caccacaaac 160800  
 aagaaagtgt ctgtggcaga aagcctgggc aaacacgggc tcactcttg tgtttccctt 160860  
 ctgtcagtga tcatagtcct ttgcggtctg tttccaaca tccgaaaact ggtgcttaat 160920

atattttgcc cacttatagt tatttatgtc cagagggcta atgcagtgcc acttacttaa 160980  
 tcagagttag aagcagaagt caagttagca tatgcagatc tgggagttgt ctatagacag 161040  
 gactatctta ttctcttctc tgcttcacat tgccttaaag ataaaatgtt tctattaaga 161100  
 cagtcatatc ctatcatgat ctgcctggct gactgatctc atcactgac atccagtctt 161160  
 tatacacaca cactcacaca cacacacaca cgcacacact accatgacct actcgtagtc 161220  
 ttacacatat ctctagcttt ttcttatgcc tctgcttttg catctattat tttgtctaca 161280  
 aaaataacct tccccaaact ccctacctgc ctctctaact gctacttacc cttcagaatt 161340

tagctcacct gccatctcct ccaggacacc tcctctggaa ccatctgggt taagtgtccc 161400  
 cttattttgt ctgtgacatt ctgtgtttgc ctttatcaaa gttgtatcac ccacgttta 161460  
 ttgtaattgc ctgttatgac ctatcttcca tgcccttcac accccacct ccagacagaa 161520

catctctaag accgggatca agtctgagtc atctcagtgt ctctatgacc tggcacaggt 161580  
 ttgaaactt ttgtatgaa gggccaaaca gtaaataatt tagagattgt aggccagaca 161640  
 tcttcagctg taactactca actctgccgt tgtagcatga aagtggccat aaacaataga 161700  
 taatacataa aatataagac ttattgaaa tagaaacagg caactgtagc ttactgatcc 161760

ttggactagc acatagtata atcccagtaa atattcattg aatgaattaa taaaatatta 161820  
 ttattggagg cctcagaaga aatagaaaat aatgtaatca atttataag tgcaagagtt 161880  
 ttcctgggaa cggaaaagtg gcactttcct ttaggcccta gggaaggaaa aaaagacagt 161940  
 ggagtgaaga aggcaggata atagaaaact gggggatttc tggcctaata gacagacttc 162000  
 cccatgcatg gcttttgcca ggaggccatt ctgggatggg aacctgaaaa ccagaatggt 162060  
 ctggtcagag tgagttccca aggcagccaa gaacagagaa tgccaaagga caagtacaag 162120  
 ctgtgtcctg ggcagcaccc aggcgcaaac ccgcagaagg catgttttgc agccaaattc 162180

aaagtgtcag aaaccaggca ggttctagaa ctgcatctag catgaaaata acaagggcaa 162240  
 gagggatgtg agatccaaaa caacttttat gaatacaact ggcaggtcca caatactttt 162300  
 ctgttggta ctggccacat tgtgcatgga tgagtctgta gatgggttaa ccttggcttt 162360  
 ttcagaagag ttaagtacc agttcatcta ctaagaaata aaaggaggag gggagcctag 162420  
 aacttagagg ctggaggaga tctgtcatat ataactacta tagcagattc cataagggcc 162480  
 caatcagggc tcaaaacaaa gatttgcga aaagtactat gggtaggct gaggttagac 162540  
 aacagaaggt tgcagcaatc taactactaa ggtttagga cattctgtag agaagcatta 162600

tgaatgagta tcaaggaaat gaataggtgg ctgtctgcag aattgggatt ggcaggggaa 162660  
 tgcagccact ggccaggaga tccagatagt cactgaatac ctgttgtatt agtcagggtt 162720  
 ctctaagaa ataaatcaa taggtatgt ggcggggcag ggcggtggtg aagagattta 162780  
 taaggatgtg gctaacctga gtacagaggc tgagaagtcc caagacaatg cagttagcaa 162840  
 gctggagtcc taggggaacc aatggtatag ttccagtctc agtgtgaagg cctgggaacc 162900  
 aggattgttg atggttcagt tccagtcta aggccagtag gctgaagacc caggaaaagc 162960  
 cagtgtttta gttaagtcc aaaggcaggg ggaaaaaagc aaggttcag cttaaaggca 163020

gttaggcaga aggcatttcc tcttctcca gggagagtct gccttttatg ttctattcag 163080  
 gtcttcagct gactagatag ggcccacca caataggag agcagtctgt ttactctac 163140  
 caattcaaat attcatccag aacacctca tagacataac tactttgatc aaatgtctgc 163200  
 cctccccata gccagtcag gttgacatat aaaattaacc atcactctgc catgtgcaga 163260  
 acacctcaga gaatctatct accatgcacc ctgtctcctt caacactaga taaaatatca 163320  
 gacagaatta ttgattagc actggtgttt taagcatcat tgtgaatgct ggcaatttag 163380

taccaatgat gacagcagaa aggatgttag gaaagaggtt actacacata tactcaaaat 163440

tatctccctg gagtagcttt ttagacaaat gcacctgggt ggccatcagt atctcaaact 163500

tacatgtcta attatttctt cctcccagct tccccccacc tctgggcctc atctaagcta 163560

ttgggaataa ataaataaac ccagagaggc tacttgaact ctgctggaac cagtgaggga 163620

catgcaaaat caaaaagcca tgtccttacc tgaagccaa aaaggatagt gatagtctgc 163680

cgcttcccc taggtctgag tcccaggtt ttcaccaaag actccagagg ctctgagttt 163740

tcctttaagg ccacaagctt taacctcgtc tcctttttcc cagccctcct gataacctgag 163800

tcttttctct ctctctctct atttactaga ggatgtgggg cccaggtgta aactttctcg 163860

tgctccagct aactgagatc tgcttaacca cctcattctg caggccccag atcagagtcc 163920

catttagatg attccttgac tccttttttc agattcagat ccttgcattg gacattcctg 163980

tcctctccac accctctccc aatcacccaa tcagattctc tttggttacc atgccttaca 164040

gaaatgtgtc tgcattttcc ctgctctatt tagatttaat tttactagct aatatttatt 164100

gacctattt tatgcgccag ccactagtca ctatttcatt gacttcagcc ttggaacaac 164160

actaggagge tgatcatatt actatcccta ttttacagat gaagaaactg agattgagag 164220

tgactaactg atgtgtttta tgtagaaagt ttcagaacca agactagaat atacatagat 164280

ctgacctcgg aaaaaaaaaa aaaaaccag ttttaactac tttacaaaa tgccctccaa 164340

ggactgttca gtcttctgtc ttattgtctc acactcctgg ccccttgtcc ccattcccc 164400

taccactgcc ctaagtcaga cactgcatga ttcattgaag gaattgcaaa gggccttcta 164460

tttgggtctc tcaccttcag accctctccc ttcctatccc tgggtatgtc ctaccaaagg 164520

tatggtaaca tgcagcagag aagagctggg ctttggctct ttgactcaac tttgaatccc 164580

agtgtcataa ctgcctgcc tctgcatttt tgggttaact gaatgagaat agcatctgta 164640

ttaacagttt tctttttgag cgtttaatga gataacatag gtcgagacct tggcattgtg 164700

cctgacacat agtaaaagt cgtgtattag tccattttca catgatataa agaactacct 164760

gagactctaa tgtaaaaaa ggtgttaattg actcacagtt ccgcatggct ggggaggcct 164820

caggaaactt acagtcatgg cagaaggtga aagacaagca agcaccttct tcacaaggtg 164880

gcaggagaga gcaagagtaa aggggaaact gccacacact ttttaagctat catatataat 164940

aagaactcac tatcatgaga acagcataag ggatatcacc cccatgatcc aatcacctct 165000

caccaggtcc ctccctcgac atgtgggaat tacaacttga gatgagattt ggggtggagac 165060

acagagccaa accatatcat tctgtctctg gacctccca aatctcatgt ctttctcaca 165120

ttccaaaaca caatcatgcc ttcccaacag tcccccaaag tctcaactca ttccagcact 165180  
 aactcaaaag tccaagtcca aagtctcatc tgagacaagg gaagtccttt ctgcctataa 165240  
 gcctgtaaaa tcaagagcaa attagtact tccaaggtaa aatgaggata caggaattgg 165300  
 gtagatgctc ccattccaaa tgggagaaat tggccaaaac aaaggggcta taggccccat 165360  
 gcaaattcaa aaccaaggc agtcattaaa tcttaaagct ccaaaataat ctcttttgac 165420  
 tctgtgtctc atatccaggc cacgtcgatg taagaggtgg gctcccagg ccttgggcag 165480  
 ctccaccctt gaggtctctg aggggtacag ccccgcggtat gctttcaca actggtgttg 165540  
  
 actgcccata gcttttcag gtacacagt caagctgtca gtgaatctac cattcagggg 165600  
 tctgaaggat gatgacctc ttctcatacc tccactagac agtgtcccag tggggactct 165660  
 gtgtggtgag tcttcagccc cacatttccc ctctgcatgg ccctactaga ggttctccat 165720  
 gagggtctctg cccctgcagc aggtctctgc ctggacatcc aggcatttcc atacatctc 165780  
 tgaaatctag gcagaggctc ccaaacctca attcttgcca tctgtgtacc cacagacccc 165840  
 caacaccacg tagaagcagc caaggttgg ggcttgacc ctctaaagca atggctcgag 165900  
 ctgtaccttg gcaccttta gccatggctg gagcttgagc agctgggaca gaaggcacca 165960  
  
 tgtccaagg ctgcacagac cagcagggcc ttgggcctgg ccagaaaac cattttccct 166020  
 ccttggtctc ccagcctgtg atagcagggg ctgctgtgaa gatctctgaa atgcccttg 166080  
 agacatttcc cccattgtt tgactattaa catttggtt tttacttatg caaatttctc 166140  
 ttgaatttct cccagaaaa tgttttttt ttcttaccac ataggctgca aattttccaa 166200  
 acttttatgc cctgcttccc ttttaacat aagtccaat ttcagaccat ctctttgtga 166260  
 atgcatatga ctatatgctt ttagaatcaa ccaggtcaaa tcttaaatgc ttgctactt 166320  
 agaaatttct gctgctagat accataaat ctctctttca agttgaaagt tccacagatc 166380  
  
 tctagagcag aagaaaaatg ctgccgctcc ctttgctaaa gtgtagcaaa tgtaacgttt 166440  
 actcccgttc ccaagaagt tcttactttt atctgagacc acttcaacct ggacttcatt 166500  
 gtccatatca ctatcaggat ttgtgtcaaa ttcactcaac aaatctccag gaagttccaa 166560  
 tctatccac atcttctgt cttctgtga gccctcaaa ctgctccaac ctctgcctgt 166620  
 tacctgcttc caagttgt tccacattt caggtatctt tatagcagt cccactttg 166680  
 ggtaccaatt ttctatatta gtccatttcc acactgctat aaagaactac ctgcgactcg 166740  
 gtaatttata aataaaagaa gttaattga ctaacagttc gacatggctg gggaggcctc 166800  
  
 aggaaactta caatcatggc agaaggtgaa ggagaagcag gcgccttctt cacaaggcag 166860  
 caggagacag caagaatgaa gggggtactg ccacacactt tcaaaccatc agatctcatg 166920  
 agaactcact cactatcatg agaacagcat aagggaact gctttcatga cctcccacca 166980

aatctctcct gtgacatgtg ggaattacaa ctcgggatga aattcaggtc aatagtcaat 167040  
 agtcaaatag tcaatcatca aatagtcaat cctcactata acctatcct catgttacat 167100  
 atgaagaaac tgaggccag agagcttaag gaatcagccc aagctcacag agcaaggaag 167160  
 gagcaaaact gaggttcaag cccaggctctg cctgactcca gaacacatgt tcattctcct 167220

acatcccact gtgaggtcat gatacagaag agatgattgg atggactctg gaaacaaaga 167280  
 aattagatga aaaagaattt cagggctagg ttgtggtggg tgctgagtc ctttggtggt 167340  
 aaatggcatt ggaaaagggg gaaacatgat caaaagtcc tcctgcgaag aatgacataa 167400  
 caatagttaa catgtattag gctgatatgg ttgtctctg tgttgtgtt gttctcaaac 167460  
 ccccttatac cagtattct gacattgtgc ttacataatt tagttaaatc ttttgaatt 167520  
 gatgagatat gagtgagaaa aggaaggcat ttttatggc tgctctgaaa ggactcaaca 167580  
 gaggcaagtt gtcaaaacta ttgtcaaata gtttaaatta aatcagataa gtgtaccttc 167640

aatcagaaat ataatcatg ccaataattt atcaccctg atttcagtt taggcttctt 167700  
 gaaaatgaat ctgtacttaa agatacttg cagaaccttct gagtatagaa ctctgagtt 167760  
 ttacaacttt tccaactctt ttacagatat ctgtctctca cctaattata tattattttc 167820  
 agcaacttgc ctctgtttag tcttttcaga gcagtcataa aaaatgcctt ctttttctca 167880  
 ctcatatctc atcaatttca aaagatttaa ctaaattatg taagcacagt gtcagaataa 167940  
 ctggtataag gaggtttgag aacaaacaca acacagagcc aaaccatac agcttaatac 168000  
 atgttaacta ttgttatgtc attcttcgca ggaggaactt ttgatcatgt tcccccttt 168060

tccaatgcc tttaccacca tcggcactca gcaccacca caacctagcc ctgaagttct 168120  
 tttcatcta atttctttgt ttctagagtc catccaatcg tctcttctgt atcatgacct 168180  
 cacagtggga ttaggggaga tgaactgtg ttctggagtc aggcagacct gggcttgaac 168240  
 ctgagtttg ctcttctctt gctctgtgag ctgggctga ttcttaagc tctctgggac 168300  
 tcagtttctt cgtatgtaac atgaggataa ggttatggtg aggattacac ataggagatc 168360  
 atcatcctaa cacctattag atgtttgagc ctgacatctg tattgttcat tgaatccctg 168420  
 ctccgactag cctgceagtc ctgcgccgg caaactatcc cttttctat ctatttcttt 168480

acatctctag gcacctcct tccaactgga aagttccctt gctccaccac cttcttttgg 168540  
 attggtgctt catatctgta ataatactga gagctttgtt ttgtacaact ctttacagct 168600  
 ttcacaattc tticgaaaac tatctcaatt aatttgtaca actctgggag attctccagc 168660  
 ttggttaatta ttatttctat ttcttaaagg gaaactgagg ctctgagaga ttgaatgact 168720  
 ggtttgtggt tataaatggg gcctggagcc agagtcttct ggctcctggt caccatgcct 168780  
 ttcttcctg caccattttg cacctgaatg actgctgctc acctgacatc aatacccttt 168840

gtaatgttgc aaattgtttt tccatagggtg cctgtcttgt ccccgaggg cagcgacata 168900

gtcttattcc ttccccctgg ccaagtgcct tacaaatata tgttatttgg ttgatgtcat 168960

taaatgtgtt aaaaatttga attagggtcgg gcgcagtggc tcacgcctgt aatcccaaca 169020

ctgtgggagg ccaaggcggg caaatcacia ggtcaggagt ttgagaccag cctggccaac 169080

atggtgaaac cccgtctcta ctaacaatac aaaaaattag ctgggcgtgg tggcggacgc 169140

ctgtaatccc agctactagg gaggtgagg caagagaata gcttgaacct gggaggcaga 169200

ggttgagtg agctgagatt ctgccactac actctagccc aggcaacagt acaagactcc 169260

gtctcaaaaa aaaaaaatt gaattaatat gttatgttgt aaggccattg taggaaacta 169320

acagctgtat tggctaggag gttgaacttg tgtaattaaa ttttatttaa gagagagaac 169380

cataagata ggtcccacgc ttgagggtcc tgtttctctg cactcgtgcc tttggacttt 169440

gattccttgg atctggggaa tttggagtta gctgctccat cctctgtgct ctgcattctt 169500

gtgctataaa aaacctgac cacagtggat tgtaattaat ccgcttatcc atctgtttcc 169560

cctgccccca gactgtgagt cccctcaggg caacaccata tccagtcctc ctgagtgtcc 169620

agggcccgcc actgtgcttg gcacataatg gaagttacaa gaataagcca gaaaactcca 169680

tctgggtccc tcccctaate ccctaggatt gtacatgttc ccattatctt atcacata 169740

tttcttatct cttatactga attaaaggca agtttcatgt tttactcagt tttgtagcct 169800

ccctaccaac catgaaagga agaaactata attattgact gtctattgtg tgccagtagt 169860

gatttcaata tattatctca cttttaaata atttaattta attctcataa taggttgata 169920

aggtaggcat tatcatccct gaattacaaa cgagggaact gagactcagg gaaataaagt 169980

aattgaattt aaccaagttt acaaagccag taagtggtaa tgctaggatt tcagtcctg 170040

tctgtcggct ctaagaccaa tgcctttctt tttgttgtt gctttttgtt ttttaacage 170100

acataggata ctgccttagc ctagcagggtg tcaggaactc tgctgaaata agacttgaat 170160

ttaatcacgg tgaatcaaat ctgtgcaagc ctgttcccaa ctatgtcaag tgcataact 170220

gtgcccctcc catttgattg tttggatgaa atgcttctgg aaacatatac tgagcactaa 170280

caacacacta ggcacagcac taggtgttgg gctgaagtca ggctccctca agaaacgttc 170340

agcctagtga gataacagac tgtaagagtg ataataaatg tgatttgtgc tatggcaaga 170400

cagaagacaa aagtttaggt tggcttgttg tggctctgag taacttctga gtattttata 170460

aaggaggaat gggagtggc taagccaaac aaggaggagag tacagagcaa agagcatatg 170520

gtaattctgc actaaggtac agaattgcag gcaggacacg cctagaacaa ggagtatttt 170580

gggtggagaag ggcagggaga gcaagagttt ctgaagctgc ttcactctgt gtccacatca 170640  
cgaacctaag gccattactg gttaccagcc attgcccta cacaagtga ctttggttt 170700  
gatgacggct aggactcttc acccaggaaa tgagttagag aaacggctgg cagcatctct 170760  
atctgtctac tctagggata tgagagatga aggataaaca tggggtctgc attttccga 170820  
tgttaggaa ataataaaca agcaattggg caaaccgca tggtagtgc ctctgcctgg 170880  
ggtagggcgt ggtgccttc agcaggccag gaaggtcgg cctggcttta cacctatgtt 170940  
cttgatgtgg ccctggagca gagggccatg gggaagcga gtgagctga aacagaacca 171000

ggccatgttc agaaccactt tctttcttc ttttttttt ttttctttt tcaagagtgt 171060  
ttattaaaat aggagtaat ggggtgaaga gttctgcca ctctgggcca caggatggga 171120  
aactgaaaat gttagtggg ttcaccagc tcaagtttc ctcttgata tgcctgaaa 171180  
tgtttttta cttgagactt gtttaacca accaaagaat ggctgagaat tgagccaact 171240  
gtgtgatga ctaattat gtaacttagt caataataa tgtatatga tctgtattca 171300  
tcacatgtaa aaaacaaac cagtaagggt ctgatactat cagtccctc ttcctccagg 171360  
acttaataa aatcctcaag tcaagtctg tctgtctca gccagatct tactctgttt 171420

tcccatgctg ttgtgtgtg cattaattcc ctccacatc cactgcagc caccatcca 171480  
tgtgatctc accaaaccac tgtggactgg tcaattccac atatccaaac tgtccatcac 171540  
atcctttaaa tatagtaac ctgctgccc ctgtactga aatgtacata gaagtcagct 171600  
gaaatcaacc atgtttactt ctaaggctgg tccccacaca tttctttat cttttgctcc 171660  
ttgcttacct ctccagctc cactccaac tgtgtctct ccaatgcatt cttcacactg 171720  
ctgtctggat gatttatcta aaattcaa gcaattatat cactcctct ccagaaccct 171780  
tcagtgttc tcagatcctt tcaaatgaca tccaaactcc tgaagcattt agagcaaggc 171840

cattcatgag ccagcttctt cctacctcc tggcatcacc tctaacttt ccccttgaca 171900  
gttttgaca cagcaatgct gaattagtt tgactctcca aacacacaat gttattta 171960  
gtttctgagt ctggtctatg gctataccac cctgaatgca ccaatcttg tctgatctca 172020  
gaagctaagc agggtaagc ctggttagca cttggatggg agtctgccag aacagtcctt 172080  
tctactctat ttgacctac aaatatgat agcctttaac gttctctca ctatccctt 172140  
ctctgagacc ttcctagaca gaacgcact ctgggtgcc tctgcgtctt gttcaacac 172200  
tgctgtgac ctgtctgac attccaaga cctatttgct tataggaact cagtcttacc 172260

actgaatggc acagggccta agacagaata ggtgcttagt cagtgtctt tgaatcgatg 172320  
tccaattacg catcctccc atcatttaag ggactcgtgt ttcagccaca gccatgctga 172380  
taactgcctc ctgattggct tcccaggctc ggccaacca ctggtctgcg atcatcgag 172440

gatccactc caagaattat gtactgtggg aatatggagg atatgccagc gaaggcgtca 172500  
aacaagtgtc agaattgggc tcacccgtga aatatggagg agaaattcga caacaggtaa 172560  
gacaaaaaaa tcacagaatg accaaaataac agaaatgcag tcaaagcact ccttagatat 172620  
ctttccagg ggcttgaaat ttgcagtaca atgtgggtga agaaaatcta ttgtctgagt 172680  
  
ttgggggttt tatgttaagt agaggacaga cagaggcaca aatatccatt ttgttgtctc 172740  
agattgtccc tgactgcatt catgttttct tcagcctgtg ctaaatgctg ctgctgtggc 172800  
catattgttg ggatgccttg tctctagtct cctgagagtc aaagccatga attaaggttt 172860  
tcttactgtg atctttgaga gggtcagagg agtaatagtc aagctgtcca gccaaatccc 172920  
caaaataaat gttttagtat tggcacgtgc tttttgcaac tatgtcttga ggtacttgat 172980  
aaattagtcg ttcgttcac ataactatta tggactgagg catcttctgt gtccatgct 173040  
gtgtgggccc aggagcagtc ccactctcta ggccttccact gatacctctg tgagataagg 173100  
  
gagaaaaagt ccataattct tatcaattca ttggctgac agtgccatcg tccttcatca 173160  
aaagccta atcaggttgaca ccagagagag gctaattgaga gaaccttgga agaagagcca 173220  
cgtggctcag tgggtggttg ctgcaagaca tggcagtga gctttagcca tccactacca 173280  
caaaagcctg tccagcctga gagagcacat ggcagcatgt cccactgccc accaagtgt 173340  
ctggaggaag taaggaaaga gcaaagcatg cttgggatgt gatcatttta caacacaggt 173400  
cactgagagg ctgttgccct ccctgtgtc ctgtcccaca tctctgaaa caatgcagga 173460  
ggctaagaaa acaccaggga ccccatctca cagtctgcat gtgcccagag gcctgagcag 173520  
  
cacagcaggg caagcacagc tgaggcccgc agtggtcccc accatctgga ctccaagctg 173580  
cccacagacc ctaaattgga ggcaacaaag gtcactctga ctctgtctat aaatcccctg 173640  
aggaatcagt ttggactaga gtcgaaaaat gcccagaat gagcttatgt ttcttattaa 173700  
tttgatttga agtctttcct cttttcttgg aaaaaagat gtttgaccag atgttttaag 173760  
agtgcagtgt attcatcaa gatgagctat ctaactatgc tctgtttctc tgactctggc 173820  
tgccatgcct cataattggc atcactcctt cagactatgg caaagtcag cagggtctta 173880  
tattggtgct agtctgtctg gcctatcatg ggggaacct tgtttgggat cctggaggtt 173940  
  
cacattccca gttctcaagt atggaattat gcctccctga tttgtcaagc tccatggtgt 174000  
ggaatcttga aaacctttt ttacaaatag tagttgaaat actaaagttt gccagttaat 174060  
tacatcaggg tcaaggcat cttcataata atgtcagtct cacttggttg ctttcttgag 174120  
aggtttcttg aaaagaaaga atcctgcagg aatcatacat aactggaact atattgtgct 174180  
ggtgaacatt atctgacatg tcatagcaat aaaaagattg aaaactcatg gatgggacct 174240  
cccaccacca ccactgccag cctcagaatc cctcttagga aaaagtctt ttggtatgttc 174300

ctaatacagca tggctgtgat tggcttgtat taccacacag gcaatgtctg tctgcctatc 174360

ccagctggct agtgtttcag acaaacagtc gtaataataa gttaattat gggtaaccga 174420

catgggaatg aacatatctc agtgcctgtc accacctttc aggccccctg ggtgctggat 174480

atctactttt cgccccctc acatctaggc tgaggatgct attattatcc cagttttaca 174540

gataaggaaa ccaaggcatg gtcaacagca gagaatacca ggacttaaac ctaagtctgt 174600

ctggctccaa agcccagaca gtactagaca tataatctgc tccgtgtaaa cctgaggcca 174660

cttgtttgaa acttgttgag aatctcaaga tggcagtacc gtgaatttca tagcatgggg 174720

tcctgtgagc ctgcatgggt cacctgcccc tgaagccagg cctacctgta taatttcctt 174780

gtccccacaca gcigccccac agagaaattc ctcttgccag cctctgaatc tggcctctgc 174840

taacagtgcc tcaggttccc cagctcctgg gaaagtcagt tggatagggt gatttcagga 174900

ttccaaataa ctcatcttcc taaatattgt tccccgcaag cacacaattg atttattttt 174960

ttgtaagtca ggtaagaaac aacattaaaa taagcaagaa tatgaatcct cctagaatac 175020

aaaagtgtcc tctgaataac cagaaacttg ttgaaaaca tctgcaaaact aacacagtgt 175080

tctcgggctt taatacttta taccctacca atcactttgt caaagaacct gaggccagcc 175140

atgatgaaaa taaaagccc tcttttctca agaaagacat ttatatgctt accagcattc 175200

tcttattata aacttacggc tcaactgcaag tttcaagggc atgaagaatc acaatagata 175260

ttcttgaggg taaattttat gctaattggct ttcaagcaca aatgaacaaa aataactaatc 175320

ctattaatag tggaagtatt aataataata acagtatatt aataataata ctgttgagta 175380

taaattttaa tgttactata actgcaaaac accaagaaaa ttaatgaaaa attacagcag 175440

aattattggc agtagtgaca ctagtggctg gggctgggga aggccacaat gctcaccctt 175500

tcgtggaagg acaaaggcaa atgtgtcctg gtggccagga cacctgggga ctgggaatta 175560

gaaatactga gctatggcta gcctggcagg tcacaaatgg gtaatccaag gcaggcgggg 175620

gctgtaggaa atggtagatc acacttgtag gttgggtgtg gagtggaag tgagcttatg 175680

aatactcgtt atgaaaacac ttcacccac taagaccatt tctacttcag taagcccata 175740

tttctggcat gtttactaag tgtctgggtc tctgctggat gctggcccaa agatgatgcc 175800

cctttcactc ggttattcag gctagaatcc ttgatctctc cacacccaaa cttgtgcctt 175860

ctcttttaaa ttcacccagt tcaatctgcc ctcatcaca cctccctcca cttatctctt 175920

gcctaaattg ctgcactagc ctccgatgc cctgcctct gattctctc ctgttgccca 175980

tgctgcccc gggccatctt tataaaaaac aatcagatc atgccactcc cccacttaaa 176040

atgtttaata gcttctcctt gaccctaaga taaagtccaa attccttatac aaagcctgaa 176100  
 taccctttat gtctgcctt tgtcttacct ctccaatttt atttcttgct gcaaacttaa 176160  
 gttttgggca tacagaacct ctttcagtct atgcacaagg gccatgccct tcttgtctct 176220  
 ggaccttctc tcagccagac atcttccagc agccttctaa ctggatgaact cctattcctc 176280  
 ccttaggact tagcttagat gttgcctctt ccaggaggct ttccttgatt ctgtactaaa 176340  
 ttgatcttgc cagggtctct cccagcactt tgccttctc ctattgttag catcatcaca 176400  
 cttacatatt tctttgatgt ctctccctca ctaaacaaca aggtttaaag ctgccgttcc 176460

cactattata tcccctgagc ttggcatagt attggatgct tcttaaatgt ttcttgaata 176520  
 tatagtttgt tcattcaata actttataaa tatttatga acttattagt ttattcattt 176580  
 ggtaatttta ctgaacacct actatatgct aggcattgga gatgcagcag taattaagaa 176640  
 aactccttct cttcatgagc ctacatccta acagtggaga aaagggaaaac atgtaaaata 176700  
 tataatatata tattaagtg aaaagaaacc aacaagggtg gtagtgacat aaagaggatt 176760  
 aggagtaggg aggggcctgt tttagataaa ccggtcaggg aaagtctccc taacaaatga 176820  
 ccatgaagca gaaacccaaa agacaagtgt aggggaaaat ctttttagat gctaacaaca 176880

gcacatgcaa agggcctgtg ggagaacata acttattgtg cttagaacta aaaaaagact 176940  
 agtgtgacac aaggatagtg aggggattgt ggcacaaaag gaggtggag agttgaatgc 177000  
 cggaccactt tctctctact cagacgaaat taacaaagtg ggagaggcac atacatgact 177060  
 attccatag aaggtactta ttccttaggg gaatctgtgc atccattggg gaaatgtgga 177120  
 cacacatttg ggcagggcct tgttgggttt cctctctgct ggagtctcct ttccaatcc 177180  
 acgtctgctt ctttccacta ttctagtctt tcattagggc tacttttatg tcttcaataa 177240  
 ttttaaatat gtctaattgt ctctttcaga ttattctatt ttctcataat cttagagact 177300

attttctctt ttcatgaaac ttgctctctc agtgacattt gtttcttctt tggttttaaa 177360  
 ttgtttgatc atcttcagtg gtatttggtt tgttttttg agatggaatt tcactcttgt 177420  
 caccctggct ggagtgcagt ggtgcaatct tagctcactg caacctccgc ctctgggtt 177480  
 caagcgattc tctgcctca gcctcctgag tagctgggat tacaggcgcc tgccatcatg 177540  
 cccagctaatt ttttgtattt ttagtagaga cggggtttta ccatgctggt caggctggtc 177600  
 tcgaaatcct gacctcaggt gatccacca ccttggcctc ccaaagtct aggtattacag 177660  
 gcgtgagcca ccacacttg cctcagtagt ttttttctt tttctttttt ttcctgttgg 177720

aggaaaaaag gttcaagiga tgggtgtctt acagtgactt tgtattttct tctcctggtc 177780  
 ccaccaagt ttttatgtcc tttctcagat tggaaatgcc cactgcacag ctagtatacg 177840  
 tctggaccct gcactaacac atgagagcaa ttgggagttc catttcttgg aggtgtcttg 177900

ggcagaaaca accttccttg ccatgttccc gaatgcttga tggagggttt tctcatgccc 177960  
tattcacaaa cagggcagcc ctttaaaaca tccactgtat gcaggcgtgc ccccccatg 178020  
ccccacttct cactggctca agatttcccc ttctctccat gcatgggctt ctaaaccccc 178080  
gcctccagct cciggggcct gtatcccagt ccagggcccc aacagctcac cacgcactag 178140

ctctgctta ctgttctgag ttagactttc ctccctatit ctggcatctg ggcagttttt 178200  
ctaaacttgt ttacataitt ttgtaatgtg ttttgttata tttgtccagc atttctatct 178260  
gtttgtagaa ggagagagaa ctttttgtgt cagttcagtt ttccacattt tcaggatcc 178320  
agctaataic ttagcacct aacaaatatic tgaattgatg acaagcaagc catgaatggt 178380  
tcttgcataa aactctgagc ttggaagagt caccatttta ttaaaaatcc attagaaaaa 178440  
tcattccaac tttatattt ctctggattc aaggctttcc tgaccataag aggtcagata 178500  
atggtggacc ctaatacagg cattgattat ttcaccttca ggagaccttg ttttgagga 178560

tgacttgaac cagcccacag gattatcaca ccgcctgtgg catgagaagc aatagacaag 178620  
cagatgttct ttttctttaa agttgaaaca gtttatatgg ctccaggaac tggaagaaaa 178680  
ggtttgagaa ttttcttttc tcatctcctt taaatcattg gagatgacat atgtctacta 178740  
aactattgtt ttttctgat ttttgatttt ctaaattttt aatcactttt ctttaattaa 178800  
agccatggcc tgacttcaag tgttctctat gattcatgac atgtgcctc atccggtttg 178860  
gaaaaaccac acacaaacac acacacaccc caccagcttt tatttataat aataaagctc 178920  
cagtgatctt ccatgcttat gagaagtagt gatgtataat gtctaaaagc attgcctctg 178980

aatcaagatt tctgagttc aaatcctggc tccatccct gccaaactatg tgactttggg 179040  
caagttactt aacccctctg tgtctcagtt ctctcttcta tgagatgaaa atggcgattg 179100  
tgccaacctc atagagtcat tctgaggact aagttagctg ataagtgtaa agtacttga 179160  
gcagagcctg cccttagaaa gagattgctg gatgttagct atcattacca tgttttcatt 179220  
cttcagcctc tgtttcctta tcagtataat gaggggtttg tcctaagacc cctgcagga 179280  
ctagaaaatt taatgttcaa gttcgtgtca tttctcagtg tgaagagtc cagaggatga 179340  
ggccacaact cctttacat ctacttcaac tacttcagca tccccaggca ctgccaagc 179400

ctgcccctcc tatccccact tgacagtgtc atctccaat ttgcctaac atttttccc 179460  
aaagttgatc ataagcaatt aagggtataa attaagcctt caaatataga aagagctaca 179520  
gtaaaactcc acgcccattc ccaactcact gctttgcaca tgctccctcc cttccttga 179580  
acagcctcat caggatgctc gctggagcta gttcgatgcc acctccagaa cagccctaga 179640  
ggcagccatg gagcacatct tcttgaatgt agcaagacac aagccaaggg gcagaaatgt 179700  
ggctcccaac ctaaggagag aggtggttta gtgaagtcta gtttgattgt aacaggaacc 179760

cactgaaact aacttaagaa caaaggaaac ttattttag aaagaaagta ggacacatga 179820  
  
 gaacacaagt ttgtgcagag taaaaaac ctcacgaaag ctggaattgg aaggcatcag 179880  
 gctgagacga cactaactc tctctccctc ctcacactg cccccagtgt caggtggtct 179940  
 ttccatgcc ctccatgca aatctctccc cgactatttc tcaacagagc tgctgcctct 180000  
 gcttacttgg gttgcacatg gccccaaatg gtagccatag gatcttctc cttggcttct 180060  
 cacagctagc tgagcagttt tgggtactct tagtgaagca ccagaaaaac aggttgatca 180120  
 ctggatagcc tgggcaatgg tgccccctgc atcagatata tacccttact ccaatccagt 180180  
 ggccacctct gtgtaaagaa ccatccggcc tgttattata tccagtggct gtgggcaggg 180240  
  
 cagtttatac taagaaggga actgaaggcc tgggtgtggt ggctcatgcc tgtaatccca 180300  
 gtattttggg aggtcaggt gggcagatca cttgagctca ggagttcaag accagcctgg 180360  
 gcaacacagt gagcccttat ctctacaaga aatacaaaa attagccagg catggaggtg 180420  
 cacgtctgta gtcccagcag ttgggggact gaggtggaag gatcacttgg cccaggaggc 180480  
 agaggcttta gtgagccacg atcacaccac tgcactccag cctgggcgac agagtcagac 180540  
 cctgtttcca aaaaaaaaaa aagggcaggg gaaactgaag gtagaagata aatttatatt 180600  
 tcagggcagc agtggatggg caagaattag actgagttgc agggccctag ccaaaggaca 180660  
  
 ggagctcagg gcaggatttc agtctcttag aagagagggg cactgaagag agaagaagtt 180720  
 caggagcact aaagaaagaa gagggaagat cagcagaaac ccagagttca gagctgcacc 180780  
 aattgggtga caaatgctg ggtctagagt ttggtttagc aattgaggtg ggatcaaggg 180840  
 acattactag gcctaaacac aaggatatgg aaaggcagag gtcagagaaa gagtatgggg 180900  
 cccaaagca ctgttaagc cacttattta ccttggccac ctgctgcctt gcattgttac 180960  
 ttaagaacca tgaacacagt agagaacctg tacttcttaa gtctctgacc tcgagtaggt 181020  
 cacctaagct cactgagcct tagattttac atttgaaaa caataacaag aatatgaatt 181080  
  
 acctctgttg gttatgaaat aatactgtg caaagcatgg cttggagtat gagtcatta 181140  
 ttactcttat tattgaaca aaaaaattaa attggaagga cttagaaccc ttttttcctt 181200  
 ccatcttcta aaagggtatt tcggttttac tgggtgggaa tacaatggaa agaagacata 181260  
 aattgggcta ggtagaatct actagagcat aaagacaagg aaaagggaga aagaaagatc 181320  
 caaagaagac ttttagacca ggcgtggtgg ctcacacctg taatcccagc attttgggag 181380  
 gccaaaggcag gcagatcact tgagttcagg agttcgagac caatctggcc aacatggtga 181440  
 aacctgtct ctactaaaaa taaaaaatt agccaggcgt ggcggcaggc acctgtaatc 181500

ccagctactc aggaggctga ggcaggagaa tcacttgaac ctgggaggca gaggttgcag 181560  
 tgagctgaga ttgtgccact gcactctagc ctgggtgacc gagtgagtga gactccatct 181620  
 ccaataataa taataataat aataataata ataataatga aaaataaaaa gtaaaaaccc 181680  
 aaagaagact ttgagtaaat ttgattttcia aaagaggaaa cttcaaaaga gaacttttag 181740  
 cagtatactt tgcagaatat tgtgtgatgt cattttcctt ttgctgcctt ctcaagaaaa 181800  
 cttcagcaaa gacctctaata actttttcaa ggcttctggg agtcagattg ggtctgtttt 181860  
 tttaggtgtg tcaccttctt gcaaatggcc cccaagggtg cccaacctta tttgggttac 181920

attgatgaca cacacctcct ttgttctccc ctacctcatt caaggcttaa ttccatgtag 181980  
 tatgggtaag tgggcacttg tggttggttag aaataaaatg acactcagag tggatgtagg 182040  
 glaaggagtc aaataaagat tctgtcacag atactcgata cagaaattaa gacattgttt 182100  
 gaaaggatat atttgagtca tatgaaacct cttgtttgct ttcagttgag tcttcaaaca 182160  
 aatccagatt acagtaggac aagctgccag agtgatttcg tgatgcctgt tctttaataa 182220  
 aactggcaca ggctgccttt gctggaaggg tatagagctg gcctcttagc attacttctt 182280  
 aacctctaca gttttataag acagcatcat gatccctggg aatttttctg agaatctctg 182340

tatgagagaa atgtgggaca gtcttattca agacttacag aatatttgac tcactaaaat 182400  
 atctattttt acagtaactg agccaaaata ttgcaaatag aaggcaaatt taagtgagag 182460  
 atcattaata tattacctta agatttagaa gacaatttag caatatctat caaaattata 182520  
 cgttttcttt ttctattgt agtaaaagaa aacacataat atttaccatc tgaaccattt 182580  
 ttaagtgcac agttcaggag tgtaggttat attcacattg ttgtgtgtat attttcctta 182640  
 tacatcaaca taataaaata attctatata taggaatatg tctttctgaa atagtcttgt 182700  
 gcaaaagtat atgaggaaga atattcatta tagtatttta ttttaagag atggaacaag 182760

caaactttca tcaatagggg tcatattaga aactctggat gcatttaacg ggtcaaatac 182820  
 catgcagcta ttaaaaagaa taaggcagat ttgtgtgtac tgatacagaa tgctccctgg 182880  
 tgtatatagt tagatgggaa aaaagcagaa cagtgtgtat agcttgattc catatatgaa 182940  
 aaatggcagg ttagagtga atgattatat tcatgtatag gattatatat gcatagaata 183000  
 tctctatgaa catacaccag aaactccttg cctctagagc acacagagag taaggggcag 183060  
 aactgaaagg ttcattcaca ttttgccata cggcctcttg tattgcttga attttaccat 183120  
 gaacacaaat tactatactt tttttttttt tttttgagac agagtctctg tctgttgccc 183180

aggctggagt gcagtggcac cgtgttggct cactgcaacc tccatctctc aggttcaagc 183240  
 aattctcctg cctcagcttc ccgagtagct gggattacag gtgcccacca ccatgcccg 183300  
 ctaattttta catttttagt agagacgggg tttcacatg ttggccaggc tgggtctgaa 183360

ctcctgacct caggatgcc acctgccttg gcctcccaaa gttctgggat tacaggcgtg 183420  
agccaccaca cctggcctac tgtacctttt taaaagaata atatttaaat gaacaaagaa 183480  
aacttgata agaaaccaa tattcccccc aaaaaaata ctgcataact taatctgtaa 183540  
atttaaagt ttccctcaaa aatcccagat aattttttaa aaattataca ggctgacgct 183600

atagaaatag aaaactaac agtcaacaat agtcagaaaa tgtttgaaaa agcatataat 183660  
gaagggaaga ctggctaacc cagatataaa aacgttataa aacaacatta actaaaactg 183720  
tgtgaagcta gagagtgaat acacagatca atagaatcta atagaaagtc cagaaataga 183780  
cacaattct ttgtaagtta agtatatgaa aaaagtataa ttttatatca gttggaaaaa 183840  
cactagatcc ttcaataagt ggtaatggca caactggaag ccatctggaa aaaatatatt 183900  
tcttcatacc ttaatcctgg aaccaataca agctccaaat atatcaaaaa tttaaatatt 183960  
tttaaatgaa aacataaaaa cgtagaaga aaacatgaaa gaaccttttt tttttttttt 184020

ttttttttt tttttgagac ggagtcctgc tctgttgccc aggctggagt gcagtggctg 184080  
gatcttggct cactgcagcc tccacctccc gggttcaagc aattctctg tctcagcctc 184140  
ctgagtagcc gggactatag gcacctgcca ccatgcctgg ctaatttttg tatttttttt 184200  
tagtagagac agggtttcac cttgttggtc aggctggtct caaactcctg acctcaggtg 184260  
atccacctgc cttggcctcc caaagtgtg ggattacagg cgtgagtcac tgcgcctggc 184320  
tggaaccatt ttataacct agaacaagc ttctccaag cacatcaca aacccggaga 184380  
tcataaaagg ttaatgaagt aaactaaaaa catttctttt tttagatgg agtctcactc 184440

tattgccag gctagagtgc agtggcaca acttggtca ctgcaacctc tgcctccaag 184500  
tttcaagtga ttctctgct tcagctccc aagtagcttg gattacagc acccaccacc 184560  
agcctggcta atttttatag ttttagtaga gatgggcttt caccatgttg gccagctgg 184620  
tctcgaactc ccgaactcaa ctgatctgcc tgccttggcc tcccaaagt ctggtattat 184680  
aggcatgagc caccacggct ggcccaaac attttttaag tagtggaaaa tactaagact 184740  
ttttttttt ttgagaggag tctcgtataa caaagggcta atttttttt gatataaaa 184800  
gagcttctta tggtcagttt ttaaaagacc aacaaacca tagatcaaaa cacatggaca 184860

ggtctcagaa aaggaaaatg agatggcttt tagatattat aatgatgtt caacttcatt 184920  
tacaatcata gaaatacaaa ttagtttcac agagctacaa ttttgatct gttagacttt 184980  
tgacaactat atgtcagag gtgtagggaa acacctttct aactggaga gcgctttctt 185040  
ctgactcagc agttcagtc gaaatttata tacacagata tactcacatt taggcacatt 185100  
ctatttattg gacattgtaa cacaagagt gaataaatta aatatcatg aataggggac 185160  
cagttaaata aatatgagat ttgatatta aacatttcca agacaaattg tttcattaaa 185220

aaagaaaatg cagcagggtg ctcatgattg gtcccatgtg tgctatcttt cttaaagatgt 185280  
  
 gtacttacgt ctcttgaagg gtatataaga atattaatag tgggtgcctc tgggggtggag 185340  
 agttaagaga ttgcggaaaa cgaagagagg gacctttcac tgtattccct ttgggtgcctt 185400  
 tggaatgtgg taccatgttt ttgtgctatc tattcaaaaa gtaattatit tatagttgaa 185460  
 ataaaaaaaa ataagccaac caaccaacaa acaccaagc ttaggaacat ttaaagcatg 185520  
 ctgtatctga aagcacattg tggggctctg gtagatcggt ctcctcctgg tgaccaagag 185580  
 agctacagtc cactgtttat tttaggtgag aaaactgagg ctcaaaaa atacttcaca 185640  
 tgtccaaatg ctagtggcaa cacaggactt ttgacttccc tcttggtact tttttctgtc 185700  
  
 tctgctaaaa gagaagagac ataggcagcc ctgaaaacgt cactctgggtg tatgtactcc 185760  
 tccagtgtac tgaacattt acttttcacc agattgtgtc tctgagacag tttagagctg 185820  
 gacttttcaa tgaatacttg ccatctagtg gtaaaaaaag atgtgtgcac ctaacataga 185880  
 ctgcattcat tcattcattc atgcatcaaa caccatacag tcatgcactg cataacattt 185940  
 cagtcaacga cagactgcat ccatgacagt ggtcccttaa gattataatg gagctaaaaa 186000  
 ttcccatgtc ctagtattca ctatactgta atttctatca ttattttaga ggggtactcct 186060  
 acttattttt ttaagtttag ctataaaaca gcctcaggca agtccttcac aggtattcca 186120  
  
 aaggaaggca ttgttatcct agaagctgaa agtgatgagt tactgcccc gaggcacctc 186180  
 cagtgggaca aggtgtggaa gtagaagtca atgatgttga tgatcctgac cctgtaaagg 186240  
 cttaaagcaca ttttttaaaa tgtgtgtgtt tacatcttag cttttaacaa aaaagtttaa 186300  
 aaagttaaaa aaagaattaa aaaggcctgt agaataagga tataaagaat gaaaacattc 186360  
 ttgtacaaca tgcactgtgt tgttttttta agctaagtat tattacagtc gttaaaaagg 186420  
 taaaaaaaa tgtataaagt aaaaagtttag aataagctaa ggtaattta ttattgaaga 186480  
 aaagtgtttt tataaattta gtgtagccta agtgtacagt gtttattaag tctacagtag 186540  
  
 tgtgcagtaa tgccttaggc cttcacattc actcaccact cactgactga cacagagtaa 186600  
 cttccagtc tgcaagctcc atacaggtgt accatttggt atcttttata cttattttta 186660  
 atggtacctt gatatgttta aatatacaaa tacttaccat tgcattacaa ttgcctatgg 186720  
 tattcagtag agccacatgc tgtacagggt tatagcctaa aaacaatagg ctataccata 186780  
 tagcctagggt gtgtagtagg ctagaccctc caagtttgtg taagtaccct ctatgatgtt 186840  
 tgcacaatga agaaattgcc taatgacaca ttctcagag catatccccg ttgttaagtg 186900  
 aggcattgact gggaaatcac ttgtccttaa ggcactccta gtctcttggg aaagactgac 186960

agaaaaacag gtgattacac cagtatgatg aagagacaac tgcactccca tgtttattgc 187020  
ggcattattc acaatagcca agatatggaa tcaacataag tgtccatcaa caaatcaatg 187080  
aataaagaaa aattggtgta tatacacaat agaatactat ctagccataa aaaagaatga 187140  
aatgccatca ttigaggcaa tgtagatgag cttggttgac attttgtaa gtgataataa 187200  
gccaggcatg gaaagataaa tatcacatgc tctcactcat atgtgggagc tgaaaaagtt 187260  
gatctcataa tagtggagtg tggaatagtg gttactggag actgggagtc aggggatggt 187320  
gagaggttag ttaacggatg caagattgca actagataga aggaataagt tccaatgtca 187380

ctggagcatg actgtaatta acaacaatct acagtatgtt ttcaaatata gctagaagag 187440  
cagattttga atgttctcaa cgcaaagaaa caataaatga ggtgatatgc atgcaaatta 187500  
ccctttgatt attttacatt gtgtacatgt atcaaaatat cacactatac cctgtaaata 187560  
tgtacaaaac tatgtgtcaa ctaaaaataa taataaaaga taaaagaata gaaaaatggg 187620  
gaacaaaaag acccatgggtg agcgtgaaac taaaaaata gaatagaaaa tgtctcatta 187680  
atgttttcgt tatattgatt acctgctgaa atggtaatca tttgtgaaaa agaaaaatag 187740  
gtgattccac tacagtgcaa ctaaggctag gaaagtcaag tacaggacac agggagcaca 187800

gtgtagggtc taaccttgcc ttgggaaatt gcaggatatca ggagcaacac tgaactcact 187860  
tttctggatt ctcatgatg gctaaaatta cctcctttct tgtcttctc ttgctggacc 187920  
ccatcaggac caggatagca gtttttggtg ttacgttctc tgtgtctgag gatggactca 187980  
ttaactgac atgttaggaa ggcagccagt gtatgccctt tggctacatg gagtagctgt 188040  
tccaagagct gaatccgtgc caccgttgca tctggtctgc agatctgttt tccaaagagc 188100  
catatgcgaa tgcattgttc atttcccacc tctggtcaga acatctgtgg aatgtccctc 188160  
ctgccatgt agtttttcag ctctgttatc ctgaagctct ttcaaaggtt agcctttcat 188220

tctccaagca aacaagttct tgtagcccat agaagatgac ctccatagaa accaaagcag 188280  
tccaccagc ttgcctagaa tgaaaggtgc ctaaagtggg aggggggtgga cctgcaaaga 188340  
aaggtggagt cttttcataa atgaacttaa ataccaggct ggagagatgc agagattaca 188400  
agtagaccta aagtaattag gaagccattg agggtttctg agcaaggaag cgaccagaga 188460  
ccaacgtatt tgttcattca acaataatt gtcaacatct actgtgtgca aagctctgag 188520  
tgagaccctg tgctacagac ccagcacag agatgaataa gaccagggt gggagacatg 188580  
tcatctctct gggttataat gccttctacc tccatgcaac agcttaaat tttgtctca 188640

gagaaggaaa gaaatgtcag agcataagaa attagtgaca gaaattataa actataaatc 188700  
acagtctcaa ttgttctata atcatgtaaa catagcaatt tttctttaac atagaaatat 188760  
acaaatcaaa gataaaacag gagcccatc tcatggagag atagtctgct gcctcttcag 188820

attctacctc aacattataa catgtccttt tgacactgtg gagccaataa ggtttccatc 188880  
 cctagaagac ctttctctcc caatctgtat ccatcagaat tccactcaac ctccataacc 188940  
 ctcttggca gaataccttt ccaactcctt ccaaatgcat gtcatttctg cctccttggga 189000  
 tcttcagac catattgtaa ccccatittg ccagttcct gccttgatt atgggtgtct 189060

gctcctaaaa acaaaagtag gagtgcgtct gagctggggt gtagtctgga atcaccctc 189120  
 catctcccta gtcattgttt tcatatgtct catagtacat tgagaagtgt ctgttgaatt 189180  
 gaggttgaatg ctttagacct cgggttcactg acagaggagc tcctttagca aagttagcca 189240  
 ttttacctcc tttgtctcca tagctacttc cagttctcca aactacaacc tatttcccaa 189300  
 cagactccag ttacagtact tcttaattta tcttctattc aaaggcaaaa ctactgcttc 189360  
 attaataat gagtaaggaa aatcaaaagc ttattaacta gcaagccaat gctcttctaa 189420  
 agggcattga tccatgtatg ttatgggcag cctgttcatt gatagctaca gctcttggag 189480

agcagctctc tggagtagca ttggggaac tgaaatctta tttgaaata gcttttaaat 189540  
 gcatggaaac acatctgatt cttactggga atttcttgat aggggaataca gaagggaaga 189600  
 ctatttgcct gtcagtaata tgatatagag acaaatcatt tcataggatt tcataagtgc 189660  
 atatatgtaa ccaagaaaca caggtaactt catattatct tgagaaaaat gaattcattc 189720  
 tttaaaatgc aatgacttcc ctgcataatg cattcaagaa tcaatgcaa tataaaggat 189780  
 gtgtttattg gcttgtgatc tgtattcatg actgcaagca tggttggatc ttttgagatg 189840  
 ggggtttcct ctgtttcagt ggccaaggga tattctttct caaatggaca tggatgatcat 189900

ttgaaactta tcccatgcat agtgaccca aattcgagta aatatatac aagtacatat 189960  
 aatacacaaa gaagtgaatc tgaagtcaac ctccaagcac tccaaattag ggccctaaga 190020  
 caactgcaga atttgttgca gggcagatgt atggcctggt ttagaacttt attattttga 190080  
 cctccattcg catgttagtt ttacttcttc ttctatcttc aatcttttac aacatacatc 190140  
 ctttacttat tagattctaa tataattagca tttacatac ttttactatt tcttggacaa 190200  
 tggaaaaacc ttagaacact gtaattcct ttagcccatg tattagtctg ctctcacatt 190260  
 gctataaaga actacctgag acttggtaac ttataaagaa aataggttta attggtcat 190320

ggttccacag gctgtaaagg aaacatggct gtggagacct caggaagctt gcaatcatgg 190380  
 cagaaggtga aggggaagcc agcatgtcct ataaggctgg agcaggagga agagagcagg 190440  
 gagggccaca cactttttaa caacaaatc tctgagcact cactcactat cacaaggaca 190500  
 gcaagaggaa agtccacca atgattcaat cacctccac cagaccctt ctccaacact 190560  
 gaggattaca attcaacatg agattcatgt ggggacacag agccaaacca tatcattctg 190620  
 cccctggccc cticgaaatc tcatgtcctt ctacatttc aaaacacagt catgccttc 190680

caacagtctc ccaaagtctt aactcattcc agattaattc aaatgcccaa atcccaagtc 190740

tcacttgaga caaggcaagt ccattctgcc tatgagtgtg taaaataaaa aaacaagtta 190800

gctacttcca agatacaatg agggtaaagg catgggttaa atgcttctgt tccaaaaggg 190860

ataaattggc aaaaaataaa ggggttacag gcgctatgca agtttgaaac ccaacagggc 190920

agtcattaaa tctcaaagct ccaaaataat ctcttagac tccatgtctc acatccaggc 190980

catactgatg caaatgatgg gctctcaagg ccttgggcag ctccacttct gtggctatgc 191040

agggtatagc cctgcagct gttttcacag actggcatca agtgcctgca gcttttcag 191100

gcacatggtg caagctgttg gtagatctac cattctgggg tctggagaat ggtgaccctc 191160

ttctcacagc tccactaggc agtgccccag taaggatact gtgtgggggc tccaacccca 191220

catttccct ctgcactgtc atagtagagg ttctccatga gggctccatc cctgcagcag 191280

actttgccca tgacatacag gtgtttccat acatcctctg gaatatatgt cagcctcaac 191340

ttttgccacc tgcacactca caggcttaac actgtgtgga agccttgggtg gcttcagct 191400

tgcaccctct ggagctgtga cctgagacat atcttgccc cgcttagcca tggctggagc 191460

tagagaggct aggatgcagg gcatcatgtc ccagggtgc acaaggcagt gggaccctgt 191520

gcctggccca caaaaccatt tttccctctt gggactctgg gcctgtgatg ggacaggctg 191580

ctgtgaaggt ttctgaaatg ccttacaggc atttttccca ttgtcttggc tactaacatt 191640

tggcttctct ttacttaggc aaatttctgc agcaggcttg aattcttccc cagaaaatgg 191700

gtttttctt tctaccat ggccaggctg caagttttcc aaactttat gctgtacttc 191760

ccttttaagt ataagtttta gtgtcaggtc atttcttgt ttatgcaggt tagtgtaggc 191820

ttttagaagc agccaggcca catcttggat gctttgtac ttagaaattt ctaaatttct 191880

aagataaaat ttctaaatt tagataacct aaatcatcac tcttaagttc aaagttccac 191940

agatctctag agcagggaca caatgccgc agtctctttg ctaaggcata gcaagagtgc 192000

cctttactcc agttccagc aagtctctca tctccatctg agaccttagc ctgggcttca 192060

ctgtccatat cacttcagct ttgtgtcaca acaatttgac aagtctctgg aaagttccaa 192120

actttccctc atcttctat ctcttctaa gccctccaaa ttgttccaac ctctgcccac 192180

taccagttc caaagtcact tacacatttt caagtatctt tgtcgcaatg cccactcca 192240

ggtaccaatt ttctgtatta gtccattctc acattgctat aaagaactgt ctgagactgg 192300

glaatttaca aagaaaagag gtttcattgg ctcacagttc cacaggctat acaggaagca 192360

tggctgggaa ggcctcagga aatatacaat catggcggca ggtgaagggg aaactgacat 192420

gtcctacatg gctggagcag gaggaaggca ggggaggtgc cacacacatc tttttttta 192480  
 tttttttta ttttattatt attatacttt aagttttagg gtacatgtgc acaatgtgca 192540  
 gtttagttac atatgtatac atgtgccatg ctggtgcgct gcaccacctc actcgtcctc 192600  
 tagcattagg tatatctcct aaagctatcc ctccccactc cccctacccc acaacagtcc 192660  
 ccagagtgtg atgttccctt tctgtgtcc atgtgttctc attgttcaat tcccacatat 192720  
 gagtgagaat atgtggtgtt tggttttttg ttcttgcgat agtttactga gaataatgat 192780  
 ttccaatttc atccatgtcc ctcaaaggac atgaactcat ctttttttat ggctgcatag 192840

tattccatgg tgtatatgtg ccacattttc ttaatccagt ctatcattgt tggacatttg 192900  
 ggttggttcc aagtctttgc tattgtgaat agtgccgcaa taaacataca tgtgcatgtg 192960  
 tctttatagc agcatgattt atagtccttt gggatatatac ccagtaatgg gatggctagg 193020  
 ccaaattgga tttctagatc cctgaggaat caccacactg acttccacaa tggttgaact 193080  
 agtttacagt cccaccaaca gtgtaaaagt gttcctattt ctccacatcc tctccagcac 193140  
 ctgttgtttc ctgacttttt aatgattgcc attctaactg gtgtgagata gtatctcatt 193200  
 gtggttttga tttgcatttc tctgatggcc gtgatggtga gcattttttt catgtgtttt 193260

ttggctgcat aaatgtcttc ttttgagaag tgtctgttca tgtccttcgc ccacttgttg 193320  
 atggggttgt ttgttttttt cttgtaactt tgtttgagtt cattgtagat tctggatatt 193380  
 agccctttgt cagatgagta ggttgcaaaa attttctccc attctgtagg ttgcctgttc 193440  
 actctgatgg tagtttcttt tgcctgcag aagctcttga gtttaattag atccatttg 193500  
 tcaattttgg cttttgttgc cattgctttt ggtgttttag acatgaagtc ctgcccattg 193560  
 cctatctcct gaatgggtatt gcctaggttt tcttctaggg tttttatggt tttaggtcta 193620  
 acatgtaagt ctttaatcca tcttgaagta atttttgtct aaggltgaag gaagggatcc 193680

agtttcagct ttctacatat ggctagccag ttttccagc accattttatt aaatagggaa 193740  
 tcttttcccc attgcttggt tttgtcaggt ttgtcaaaga tcagatagtt gtagatatgc 193800  
 ggcatatttt ctgagggctc tgttctgttc cactgatgcc acacactttt aaacaaccaa 193860  
 atctctgagc actcactcac tattacaaga acagcaaggg gaagtctgcc cccatgattc 193920  
 aatcacctct gaccagaccc cttctccaac attgaagatt acaattcaac atgagatttg 193980  
 gtcgaggacg gagagccaaa ctatatcaat ccactacat cttaagtatt attgttacca 194040  
 aataattaaa tttcatatat attttaaccc tacaacacat tattagtatt gctttgcccc 194100

gtcaaaattc atttggcttt acccatatat ttattctttc tgttgttctt cttttttta 194160  
 tgtccatttt cttcttgga tgatttctt ctacctgaaa aactccttca gcatttttta 194220  
 gaatttgag gcaaagaatt ctcagttctt atttatctga aaatgtcttt attttgcctt 194280

tatTTTTgaa gagtatTTTT aaataagttg ccacttattt tcattcagta tttttaaggc 194340  
atcacttgtc tgtctgtggc tttcatgatt tctgttgaga agtcatctgt cagtcttatg 194400  
gttgcttggt agaaaaaac atgtctTTTT acatagctgc ttttaagatt ttgtctttat 194460  
ctctgattgt cagtagtttt actacatagg taggcatgac tttatttata tttattgttt 194520

ttgagatttc tagcacttca tgcattccatg tcttggtatc tttgtcagt ttgggaaaat 194580  
tctggccctt atttcttcaa acattgggtc tatcccaata ttctttctcc tttcttctg 194640  
gaactttaat tatatatatg ttcaacttta tcatcatttt ccatatgctt ctatgcttt 194700  
ttttgtatat tatttatcat ttccctcca tacttttagcg tggatatttc ctagtctct 194760  
cctctgctag tctgaaatgc tattaacctt gttcttaatt ctagtatat ttattaatat 194820  
tagttctaga atttcatTTT gattctTTTT tttagaaatt ccagtttggt gctaaaattc 194880  
tccatctaga ttctatttc cttgaacata ttaattatag tttttaagtc caagtctggt 194940

aactataata tctagatcat ttgtaggctt atttctatta tttgttttcc cttgcttca 195000  
gtttcttggt atgtctcatc atttctatt gaatgccaga catgtgtatg ataaattata 195060  
ggggctctgg atgacattat ctctcttcac aaagatttgc ttcttctagc aggcagttgg 195120  
agtatggaaa atcacctaatt caggccttgg gttgggttgt ttttaagctg gattctgtct 195180  
ttgtgagggc tcttttactt atggttcact ctattccat gggtgtagct ctccagggtt 195240  
cctcacttaa agcctgtagt gcttaccagt gtgtctcttc cttatgggtt ccaatttcca 195300  
attttaatct tcccaaate tgaggctgct aaaagctctg tttaatctct tagccactaa 195360

tttctacca gatttgcaaa ctctcttcac catgactctt acaaattagc aactgcctca 195420  
gaagaaacag cagtgcacaa catcaggctc acttctctgt cctttctct tcagggactt 195480  
gatcttagct caagtcatTT tctctccca gtcttatgag actgatgaaa gctgtactca 195540  
gcttctcagc ctcttagcct tgtgtggctg atgaaaaagc cagagcctga agggaaaaaa 195600  
gcagtttga atactgact caccctcatg catttccctt ctctccagga tcttggcctt 195660  
caagtctgg ctgcattgag acctttccaa tactttaaac caagtactt tgttttgttt 195720  
tattcatTTT ttgtagtgt tcttgggaga ttgttggcct catataagct cgcttatcag 195780

tgttgagggt gaaactagta tctcttcttt aagtacttgg gttctgtctc tctacatgc 195840  
aagtctttct ctgcatctt tctgatttgt gtctctaacc caatctcact tctgtgtatc 195900  
agttctaata tgctagggtg ggagaactgt acgtctgtct gcaattgttc aaatctttcc 195960  
tcttaagtaa tatctcttac tttgtttcta ttcttaattt atattgggaa atataatatt 196020  
acatcaagtg tgacttcttt caatgtgagt gccttggtaa aactctgcaa ctcttaggac 196080  
tgaagaaaa aacctctatg gatttaacat aattaattac ttatagtaat tagtaagact 196140

ctaattgatt attacctcta agatgtcatg aattgatgcc acttttttct gttttttgag 196200

ttattagatg tgaacacagtc attattaaaa atttttttga tgccttttga aagaaattac 196260

gggaaagggtg ctcaacatca tgatcatcag agaaatgcaa atcaaaactg caatgagcta 196320

ttatctcacc ccagttaaaa tggcttataat ctaaaagaca ggcaataaaa aatactgttg 196380

aggatgtgga gaaaaggga cccatcataca ctgtttgttg gaatgcaaat tagtacaaga 196440

actatggaga ataatagttt ggaggttccct taaaaaactg aaaataggga tactatatga 196500

ttcagcaatc ccaactgttg gtatagatcc aaaagaaagg aaatcagtat atcaaagaga 196560

tatctgcact cccatatttg ttgcagcact gttcacaata gccgcaattt ggaaatgacc 196620

aaagtgtcca tcaacagatg aatggataaa gaaaatgtga tatatatata caatggagta 196680

ctattcagcc ataagaagaa tgagatccag tcatctgcga caacatggat ggaactggat 196740

atcattatgt taagtgaat aagtcaggca cagaaagaca aacatcacat gttctcactt 196800

atttatgaga tcaaaaaatc aaaacaattg aactcctgga cttagagatt agaaggataa 196860

tttccagagg ctgggaaggg tagtgggggg tgggaggttg gggggatggg gatggttaac 196920

cgggtacaaa acatagttag aacgaatgag tacaacctat ttgatagcat aataggtgaa 196980

tatagtcaat aataacttaa ttgtacattt ttaaataact taaagagtat aattggattg 197040

tttgtaactc aaaggataaa tgcttgaggg aatggatact ccaatcccca taatgtgctt 197100

attacacatt gcatggatga cccaaatcat ctcatgtacc tcataaatat atacaccac 197160

aaaatttttt taaatttttt ttaaaaagaa aagaactata gatactcctt gacttacagt 197220

gaggttacat cctgataaac tcaggatgtt ttatcagtta caactgaaaa aagttgaaaa 197280

tatcactaag tcaaaaatc acttaataata cctaagctac tgaacattat agctcagcct 197340

aacctacat atagtgtctc agaacactta cattattttt atatatatat ttatatatat 197400

atatttatat atatatatat atatatatat ttatatatat atttatatat atatatttat 197460

atatatatat atatatatat atttacatat atatatttat atatatatat acatatatat 197520

atttatatat atatttatat atatatttat atatatatat atatatatat ttacatatat 197580

atatttatat atatttatat atatttatat atatatttat atatatttat atatatttat 197640

atatttatat atatatttat atatatttat atatatatat atatatttat atatatttat 197700

atatatttat atatttatat atatttaatt tatatatatt tatatatatt tatatatatta 197760

tatatatttt tatatatatt tatatatatt tatatatatt tttatatata ttttatatat 197820

atttatatat ttatatattt atatatatat atatattttt atatttttat atatttatat 197880

atatttatat atttatatat atatttatat atttatatat ttatatatat atttatatat 197940  
 ttatatatat ttatatatat ttttatatat ttatatatat ttttatatat ttatatattt 198000  
 atatatctat atatatttat atatatctat atatttatat atatttatat atatatataa 198060  
 tttttatata tttatatata tctatatatt ttatatatat ctatatatct atatatittta 198120  
 tatatatcta tatatctata tattttatat atatatctat atctatatat ttatatatct 198180  
 atatatattt atatatttat atatatctat atatatttat atatttatat atctatatat 198240  
 ttatatattt atatatctgt atatatctat atatttatat atttatatat atattttttt 198300  
  
 atatatctat atttatatat atataagatg gagtcttgct ctgtcactca ggctggagtg 198360  
 cagtggtgca atcttggtc actgcaaact ccacctcca ggttcaagtg attctcttgc 198420  
 cttagcctcc caagtagctg ggactacagg tgcacacat cacaccaga taatttttat 198480  
 atttttagta gagacgggct ttccgcgtgt tgtccaggct ggtctcaaac tcctgacctc 198540  
 aggtgatcca cccacctcgg cctccagtg tgccgggatt acaggcatga gccactgcat 198600  
 ccagctagag cacttacatt aacccaaagt tgggcaaat tatcaaacac aaagcctatt 198660  
 ttgaaataac tgttgaatat ctcatatagt ttattgaata ctatattgaa agtaaaaaat 198720  
  
 agagtggttg taigtgtact cgaagtacag ttccactga atgggtattg cttttatacc 198780  
 atcataaagt caaaaattat aagtgaacc atcataagat ggggactatc tgtatattaa 198840  
 aataatgaag gttttccaca ccaggtgtgg tggctcatgc ctgtaatccc agcactttgg 198900  
 gaggccaagg tggggcagat cacttgaggt caggagtctg agaccagcct ggctaactg 198960  
 gcaaaacccc atcttacta aaaatataca aaaaaaatgg ctgggcatgg tggcaagcgc 199020  
 ctgtaatccc agctactcgg gaggtgagg catgagaatc acttgaaccc gggaggcaga 199080  
 ggttgcagcg agctgagata gtgccactgc aactagcct ggtcagaaaa gcaagactct 199140  
  
 gtctcaaaaa aaaaaaaaaa agacaaaata atgaagttt tcttaaaata taaaatgaaa 199200  
 tatgaacact aacctatgta tattacacat atatgtagag agagggggga aacactaacc 199260  
 aatgtatata taggaatgtc tagtttggtg gatgccctcc attccaattc aaatgagagc 199320  
 agaagttgat tactataacc taaagaagaa tgtgttaaag cagggaattt aaaaattaat 199380  
 acatggatat gtcaaatagt ttaacttaa tcagataagt gtacctcaa tcagaaatat 199440  
 aaatcatgcc aataatttat caccctgat ttccagtta ggcttcttga aaatgaatct 199500  
 gtacttaaag atacttgcag aacctctga gtatagaact cctgagtttt acaacttttc 199560  
  
 ccaatctttt acagatatct tgctctcacc taattatata ttattttcag caacttgcct 199620  
 ctgttgagtc ctttcagagc agtcataaaa aatgccttcc ttttctact catatctcat 199680  
 caatttcaaa agattttacc aaattatgta agcacaatgt cagaataact ggtataagga 199740

ggtttgagaa caaacacaac ttactcttgg taaacatgca agtttactgc agaagcagaa 199800  
gcgtgtctgcc acagcggaga gtgggcaccc agctgaatca tccggatgcc ctactctgt 199860  
cagtgtttat aatactacag agggaaatggc aagcatcggc tggtcctgca aagaggttaa 199920  
gtgttggtta gtcaagagag cttctgcaat acagttatit tgagtatagt tatittgctt 199980

aatcttgggt tgaatctaca tctttttgaa gtcaccttcc ttgtcaccac tcactttatc 200040  
ctcacattca ctggcatgat ttcagaatga ttggagatag cttcttccaa tctaaatatc 200100  
acagattgcc taagtttaat aataacagtg cactttttgt gtgttaacaa ataccagact 200160  
tctaaacact ttacatgaat gtcattgaat ctttagaacc ctaagaagta gggctattat 200220  
tatccacatt ttgtacttga ggaaatggag gctcaaagga atgaaatggc ttgcacatag 200280  
gctcatagaa agtaatgata agtgcaaaat tcaagtccag gtcagttagca tctacaactt 200340  
acatgtgtac cacacactaa gtgcatccct tgcataagaa cttgggggct ggtgggtggc 200400

tcccgctgt caggctgggg ccagctcccc accctgcat tctccttita tttctccagt 200460  
cagctccct aaactcagcc cactttgcct tctttcagga agtgattact tcttatagcc 200520  
ccccagattc tcccccata cctggcaaag ggctgggttc aggcatectc cattccctct 200580  
ttcactgact ctgaggatat ttgtttgagc tccttgtgat ttcagaattt tactgtcatc 200640  
actatggaga catgggggtga gagaaataca catgcagaaa aatgacaaag gcttcagaaa 200700  
cttactacat tcttgattc tggttcctga gctaccattc ttcattgccc tgctgtggtg 200760  
ggaaccaaat gctcccatgg actgtgttcc tccatatga ttcctgagag aaaggctctc 200820

caattccctc ccccgcttta gcaacagccc tggttacccc cacaccata aaggctactt 200880  
tgcccagcac agttgtcccc ttgtttatag tggagacttg tgctctaaag cccttcaaac 200940  
tgggaagcat tcaattctgg cccccata cagcagcagt aatgaccct ctgggcatta 201000  
cctgatggtc actattttaga actaagtatc atgacttctg gaaaaactgt taaaatgcca 201060  
agtatttttg cctggcacia atcaggttga gtggccaagg caaaagagcc acagcttcag 201120  
ccaccgttaa ccgttaaagg tgaaaagaaa ttcgtttatc cacatagcct atatccaaga 201180  
tggttttact ggctgtgctg aaatggcaga aactcacggg aagtcctgg ataaatttaa 201240

atttcacta tccagtgcac ctaacatgta tccagtatc aatcctcca ctcttttaa 201300  
tatcaggata ccagttgtca gctggataca tggccacca gaataataca ttccagct 201360  
tctcttgaga tagccatagt tatgaaacta agttctgacc aataaggtgt aagaaaaata 201420  
atgtgtgcaa tttcctgaaa gactacttaa ccagaggag catgcccctc tttgtcttct 201480  
ggactgtcca cctacaact tttttacata agacaaaaat aaaccgttc taagctacga 201540  
tatttgaggt ttctcagtta tatgcagtca aacctaacc taactgggtt aaccaccaa 201600

gaagttcatc ttgccactg cctagatagc cgattcatca cgacaggggc attgcaatag 201660

agaaagagta atttatgcag agttggccat gcaggagacc ggagttttat taccacttaa 201720

atcagcctcc cctagcagtc agggagcaga gatTTtaagg ataacttggg gggTgggggg 201780

aagctagtga gccaggagtg ctgattggtc agagatgaaa tcacaggaag tcagagctgt 201840

cttcttgtgc tgagtcagtt cctgggtggg ggccacaaga tcaatgagcc agttttattga 201900

tctgggtggg gccagctggt ccatcaagtg catggtctgc aaaatatctc aagcactgat 201960

cttaagagca gtttagggag ggtcagaaac ttgtagcctc cagctgcatg actcctaaac 202020

cataatttct aatcttgtgg ctaatgttag tcctacaaag gcaatctagt cccaggcaa 202080

gaaggagacc tgctttgaca aagggtgtt accatcttcc tttaaactat aaactaagtt 202140

tctccaaag ttagttcagc ctacaccag gaatgaacaa ggacagcttg gaggttagaa 202200

gcaagatgga gttagttaag ttagatctgt ttactgtct caatatgatt ttgcaaagg 202260

gatttcaatc cctcctttg ggtttttata acacctgat cttaagggtg aggcctatgag 202320

gatgggaaaa ggccgtgat cactctggct tctttctgct gacaggagat gtagtgggaa 202380

tgggagtgc cccaagggtg agaagagtag aaccacttg caattgtctg agtgtactca 202440

tgcaggcctg gctgggtttt caaggcttgc atggcaaaaa acattagtac tctcatctat 202500

agttttacta cagtgtttaa agtgaccagc ctactataag gtaaataacg agtccgagga 202560

tgaggagtac aattccaat tttaaaagca aagatctgaa agcattagtt tggggacttc 202620

taaccacaa agaatttaga atttagtcta aactgcagaa aaaacctcaa gaacagctaa 202680

caacagtga ctatagcttt tctttgaag cataattttt ctgtctccag tccccatttt 202740

tattcaaac aaatcatgat agaactgact tgtttcaaaa ataacttta ctcttactgt 202800

acttgccctg attattgca aaaagtgcag caagaataat tattttcac ttaggctttt 202860

taaactggct ttgatagaac tctgtctat gaagactctc agataagact ttttaaaagg 202920

tgagcccagg catgggtttg taccctcaaa tacctatgag ttgggcaaat tctcttctc 202980

ttaaggtccc aagataactt ggggttctg ggctgttag aaagtggcat tctttaactt 203040

tccacaggtc aggaacctgg tacagggact ctgtgtacac aaggtatgag gccagattcc 203100

ccaatggact ttaattggct ctataagtca actttgattc tttaaaagaa gcatgccatt 203160

ccagtcaaag ccttggttaa ataaccagtt tatccaattg tgtcctgtta caaaaggaaa 203220

gagattctta ctgtgcttat acaattaact atactataat gccataaatt gagaatattc 203280

acaaatagtt tccgaattct ggagaaatca ggtagaaaag aacaatatg atccaaattt 203340

tggtcacaag agtataatgtt actcacttgt taaaagttgc aaatagctct aaagaaatta 203400  
 gtcctcttgt ctctgaaaac aaaaggttta gcaatgttta acacattagc tctccatgag 203460  
 agtcctagaa gtttggcttt ttcattgtact ccaatagcac aatttttaaa gttatctgag 203520  
 tcctgcactt aagagtccta tatctgatca taaactgcct tttgaaaagg accaaaacaa 203580  
 gacaaaatgt ctgtggatga caaaagtcta tagccactat taaagctaca attgactagg 203640  
 aatttgggtt acttctgtgg cataaaacaa ttttatataa caattacaat taataatgta 203700  
 cactaaatta tactaacatt atagaagttt ccataatgtt tggaacacat actcataaca 203760

tttatacaaa cacagtccaa agtaaaccac acagcattta ctcttctatt tgaaactttt 203820  
 tcttctaate tcacaatctc cagcattatt catcagaatc ctgcatttaa gagcacctta 203880  
 aatagctcat tataaaacca tcttttaaag aggaccgaaa caagacaaat gtctgtagat 203940  
 gacaaaaata ttttagggca gccacagtta aagacacaat tgacaaggaa atttttacct 204000  
 ccatggcaca cagtctgtta ccaaaataat tataatactg ataacatata ttaagtcata 204060  
 ttacaattat aggagtttta cataatgttg gaacatatac caataacaca ttacataaaa 204120  
 tatagaccaa agaaagccaa acaccatttc atatttgatg atgttctctg tataatgttt 204180

glaccaaata agccaaatgt cactactgga ctttagagga cctaacatct aaaatattag 204240  
 gctagaaga gacataatgt ataatttttt tttggaaagt tgtcagatat caaaggttta 204300  
 aaacactgga tatcacaaaa tagaatcaca ggatcatcata agtcattcat ttggccaaaa 204360  
 tgataactcc aaaatcttaa aagaaaaatc ttactcaga taggaaactt agccaataaa 204420  
 gatagcatga ggccagctga atttgtctct tctctctct cccctttttt tccctgccat 204480  
 ttacccaaag gagaaaacaa aaccattttc attatctttt aacattactt aaaaatcgct 204540  
 ttcaaaaaag gaaacaaat ttcattgttg cattacagca tctttaatgt taaagctagt 204600

tatttaaata aaattttata tttctateca gttttaatta atttggccat aaggtaagat 204660  
 tttcattaac tttttagaac actttacaat tttccatcaa atagcagatt aattttctaa 204720  
 gaaaaccctg ttacttggac acatgggccc agattctggt cccacatcag tatgatttta 204780  
 atgtgttaac ctgtggaaaa aacctaaata atttctctta aatcttagcc accttgttta 204840  
 taccacaga attttttcat aaaattaacc aaacctttt cactttgctt aagacttcag 204900  
 ttttgcceca ttactctttt aggttaagac aatctataaa atcctctgaa ctggacaaaa 204960  
 ttacattctc ttttaaaaaa tccatattcc tatgccttct tataatcttt taccaaaaac 205020

accttccta tacaccttgt acgtaaaact gtttctccag tggctcaca tacatattat 205080  
 actgttaact cttactcttt tttagcatagc tagtaggcat ggctctccat atgttcccag 205140  
 gccttattta taacctaatg ctccaaagta ggtaaatga acaattttca aaagtcaaac 205200

agtttgacct taaagcattt agcaaatctg atatctgacc ttaattttaga ccaaatgtct 205260  
acattttcaa gacattttat tttaaccaata atccttaaaa ctgtctttat ttccaaaaga 205320  
ttactaaagt cactgaaca aaaaggcatt aaagcttctt ttttctgaca aaatgtttga 205380  
tttaagtgtt ttttctaagc caattaatca gagctctttt atagataaac atacaacaca 205440

tacaaaaatg cagacagaag attcaatgct tgtaaaattt ttcttttttt ttctttttatt 205500  
tttattatac tttaagtttt aggggtacatg tgcacaacgt gcaggtttgt tacctatgta 205560  
tacatgagcc atgttggtgt gctgcacca ttaactcgtc atttagcatt aggtatatct 205620  
cctaagtcta tccctccccc gccccacccc cacaacaggc cccggtgtgt gatgttcccc 205680  
ttctgtgtc catgtgttct cattgttcaa ttcccaccta tgagtggaga catgtggtgt 205740  
ttggtttttt gtccttgcaa tagtttgctg agaattgatgg ttccagctt catccacgtc 205800  
cctacgaagg acatgaactc atcctttttt atggctgcat agtattccat ggtgtatata 205860

tgccacattt tcttaatcca gtctatcatt gttgaacatt tgggttggtt ccaagtcatt 205920  
gctatcgta acagtggcac aaaaaacata tgtgtgcatg tgtctttata gcagcatgat 205980  
ttataatcct ttgggtatat acccagtaat gggatggctg ggtcaaatgg tatttctagt 206040  
tctagatccc tgaggaatca ccacactgac ttccacaacg gttgaactag ttacattct 206100  
caccaatagt gtgaaagtgt tctatattct ccacgtctc tccagcacct gttgtttcct 206160  
gactttttta tgattgccat tctaactggt gtgagatggt atctcattgt ggttttgatt 206220  
tgcatttctc tgatggccag tcatgataag cattttttca tgtgtttttt gactgcataa 206280

atgtcttctt ttgagaagtg tctgttcata tcttcaccc actttttgat ggggtttttt 206340  
ttttcttgta aatttgtttg agttcattgt agattctgga tattagccct ttgtcagatg 206400  
agtaggttgc aaaaattttc tccattctg taggttgctt gttcactctg atggtagttt 206460  
cttttgctct gcagaagctc ttgagtttaa ttagatccca ttgttcaatt ttggcttttg 206520  
ttgccattgc ttttggtgtt ttagacatga agtcttgcc catgcctatc tctgaaatgg 206580  
tattgcctag gttttcttct agggttttta tggttttagg tctaacatgt aagtctttta 206640  
tccatcttga attaattttt gtctaagggt taaggagatc cagtttcagc ttctacata 206700

tggctagcca cttttccag cacaatttat taaacaggga atcctttccc cattgcttgt 206760  
ttttgtcagg ttgtcaaag atcagatagt ttagatatg tggcattatt tctgagggtt 206820  
ctgttctgtt ccattggtct atatctctgt ttggtacca gtaccatgct gttttggtta 206880  
ctgtagtctt gtagtatagc ttgaagtcag gtagtgtgat gcctccagct ttgttctttt 206940  
ggcttaggat tgacttgga atgtgagctc ttttttggtt ccgtatgaac tttaaagtag 207000  
ttttttccaa ttctgtgaag aaagtcattg gtagcttgat ggggatggca ttgaatctat 207060

aaataacttg ggcagtatgg ccattttcat gatatttatt cttcctaccc atgagcatgg 207120  
  
 aatattcttc catttgtttg tatectcttt tattacattg agcagtgggt ttagttctc 207180  
 ctigaagagg tecttccat cccttgtaag ttggattcct aggtattttc ttctctttga 207240  
 agcaattgtg aatgggagtt cactcatgat ttggctctct gtttgtctgt taatgggtga 207300  
 taagaatgct tgtgattttt gcacattgat ttgtatcct gagactttgc tgaagttgct 207360  
 tatcagcttc aggagatttt gggctgagaa ggtggggttt tctagatata taatcatgtc 207420  
 atctgcaaac agggacaatt tgacttctc ttttctaatt tgaatgcctt ttatttctt 207480  
 ctctgcctg attgccctgg ccagagcttc caacactatg ttgaatagga gtggtgagat 207540  
  
 agggcatccc tgctttgtgc cagttttcaa agggaatgct tccagttttt gtccattcag 207600  
 tatgatattg gctgtgggtt tgtcatagat agcgcttatt attgtgaggt acgtcccatc 207660  
 aatacctaatt ttattgagag tttttagcat gaagttgttg aattttgtca aaggcctttt 207720  
 ctgcatctat tgagataatc atgtggcttt tgcttttggg tctgtttata tgccagatta 207780  
 cgttttattga ttttcgtatg ttgaatcagc ctgcatccc agggatgaag cccacttgat 207840  
 catggtggat aagctttttg atgtgctgct ggattcgggt tgccagtatt ttattgagga 207900  
 tttttgcatc aatgttcac aaggatattg gtctaaaatt ctctttttt gttgtgtctc 207960  
  
 tgccagactt tgggtgcagg atgacgtgg cctcataaaa tgagttaggg aggtattcct 208020  
 ctttttctat tgattggaat agtttcagaa ggaatggtac cagctcctcc ttgtacctct 208080  
 ggtagaatc agctgtgaat ctatctggc ctggactttt tttggttggg aagctattaa 208140  
 ttattgcctc aatttcagag cctgttattg gtctattcag ggattcaact tcttcttggg 208200  
 ttagtcttgg gagagtgtat gtgtccagga atttatccat ttcttctaga ttttctagtt 208260  
 tatttgcgta gagggtttta tagtattctc tgatgtagt ttgtatttct gtgggattgg 208320  
 tactgatatc ccctttgca tttttattg catctattg attgttctct cttttcttta 208380  
  
 ttagtcttgc tagcagtcta tcgattttgt tgatctttc aaaaaaccac ctctggatt 208440  
 catggatttt ttgaagggtt ttttatgtct ctatttctt cagttctgct ctgattttag 208500  
 ttatttcttg ctttctgcta gcttttgaat gtgtttgctc ttgcttctct agttctttta 208560  
 attgtgatgt tagagtgtca attttagatc tttctgctt tctcctgtgg gcatttagtg 208620  
 ctataaattt ccctctacac actgctttga atgtgtccca gagattctgg tatgttgtgt 208680  
 ctttgttctc gtigggttca aagaacatct ttatttctgc cttcatttcg ttatgtaccc 208740  
 agtagtcatt caggagcagg ttgttcagtt tccatgtagt tgagcggttt tgagtgagtt 208800

tcttaatcct gagttctagt tggattgcac tgtggtctga gagacagttt gttataattt 208860  
 ctgttctttt acatttgcctg aggagtgttt tacttccaac tatgttggtca attttggaa 208920  
 aagtgtggtg tgggtgctgaa aagaatgtat atcctgttga tttggggtgg agagtctctg 208980  
 agatgtctat taggtccact tgggtcagag ctgagttcaa ttcctggata tccttgttaa 209040  
 ctttctgtct cgttgatctg tctaattgtg acagtggagt gttaaagtct cccattatta 209100  
 ttgtgtggga gtctaagtct cttttaggt cactaaggac ttgctttatg aatctgagt 209160  
 ctctgtatt ggggtcatat atatttagga gagttagctc ttcctgttga attgatccct 209220  
  
 ttactattat gtaatggctt tctttgtctc ttttgatctt tgttggttta aagtctgttt 209280  
 tatecgatac tagggttgca acccctgcct tttttgttt tccatttgcct tggtagatct 209340  
 tcctccatcc ctttattttg agcctatgtg tgtctctgca tgtgagatgg gtttcctgaa 209400  
 tacagcacac tgatgggtct tgaactttta tccaatttgc cagtctgtgt cttttaattg 209460  
 gagcatttag cccatttaca ttttaaggta atattgttat gtgtgaattt gatcctgtca 209520  
 ttatgatgtt agctggttat tttgtcatt tgttgatgca gtttcttct agcctcgatg 209580  
 gtctttacaa tttggcatat ttttgcatg gctggtacca gttgttctt tccatgttta 209640  
  
 glgcttctt caggagctct tttagggcag gcctgggtgg gacaaaatct ctacagattt 209700  
 gcttgtctgt aaagtatttt atttctctt cacttatgaa gcttagtttg gctggttatg 209760  
 aaattctggg ttgaaaattc ttttctttaa gaatgttgaa tattggcccc cactctctt 209820  
 tggctttag agtttctgcc aagagatcag ctgttagtct gatgggcttc cgtttgtggg 209880  
 taacctgacc tttctctctg gctgccctta acatttttct cttcatttca actttggtga 209940  
 atctgacaat tatgtgtctt ggagttgctc tttctgagga gcacttttgt ggcgttctct 210000  
 glatttctg aatttgaatg ttggcctgcc tcgctagatt ggggaagtgc tcctggataa 210060  
  
 tatcctgcag agtgttttcc aacttgggtc cattctcccc gtcactttca ggtacaccaa 210120  
 tcagatgtag atttggctct ttcacacagt cccatatttc ttggagggtt tgttcgtttc 210180  
 tttttattct ttttctcta aacttctctt ctacttcat ttcattcatt tcgtcttcca 210240  
 tcgtgatac ctttcttcc agttgattgc attggctact gaggttgtg cattcgtcac 210300  
 glagtcttag tgccatggtt ttcagctcca tcaggtcctt taaggacttc tctccattgg 210360  
 ttattctagt tagccattca tctaattttt tttcaagggt ttttaattgt ttgccattgg 210420  
 ttcgaacttc ctcttttagc tcggagtagt tggatcttct gaagccttct tctctcaact 210480  
  
 cgtcaacatc attctctgtc cagctttgtt ccgttctga tgaggagctg cgttcccttg 210540  
 gaggagaagg ggtgctctga ttttagagt ttccggtttt tctgtctgt ttttcccca 210600  
 tcttttgggt tttatctacc ttttgcctt gatgatggtg acgtacagat gggtttttgg 210660

tgcagatgtc ctttctgttt tagttttcct tctaacagtc aggacctca gctgcaggtc 210720  
 tgttggagtt tgctggaggt ccactccaga cctgttttac ctgggtgtca gcagtgggtg 210780  
 ctgcagaaca gcggatatg gtgaaccgca aacgtttctg cctgatcggt cttctagaag 210840  
 ttttgtctca gaggagcacc tggccgtgtg aggtgtcagt tcaccccgta ggggatgcct 210900

cccagttagg ctactcgggt gtcagggacc cacttgagga ggagctctgc ccagtgcctg 210960  
 taaaattttt caattgccag tttcttaatt ggattactgg cttcaggggtg gagcccttgg 211020  
 aggaacaggg ccaggaaagc atgcatttct agggccaaat aagcagctga aggcaaagac 211080  
 agttccccaa aattaagggt gccattttat actggatcct ggatcccaa aaggaggga 211140  
 agactatggg agaagatagt gcaatgcttc taccctgcat ttcagcattt cattgcaagg 211200  
 caacccaaag ccaatcagcc cattttgtaa tcaccccatc tctcatgagg gagtctcatc 211260  
 tcccatttgg ggatgaggat gtttccttgt cttccaggtg gccacgagcc tgcttctctg 211320

atccaagtgt gctaagagtc aagtatccct ccctaactac tgtagccat cccttaaagt 211380  
 gtatttecta cctagttata atgtgaagta atttgatacc cccaaaactc aaaaccttca 211440  
 gataacacaa tgcaaaacag aacacagcct ttgattttga gagggattta tctgctttta 211500  
 attccttggg tticatgagg aaaacagagg ggtttttttt tccccaaaa tggggcctgt 211560  
 ggcacctcct ctgttttccc aatgagtcg aggctaccgg aagtatctt agggcctctc 211620  
 ctgtgtgcat taagtgtggc aagacaaaaa aaagaaaaa aagaaaaaaggagaaaaa 211680  
 taattcagtc aattgagaag aaaaacctt tttccagaaa aacaagttcc aagaagagaa 211740

aaacataaag gccttttaaa tatactgtga gcttgtttat ccacttttaa ttaagctgat 211800  
 ttttaatcat agtgcctctt aaaaaagaaa tcctttcaaa tctcttatta cctgacttta 211860  
 tccatgccaa gtggccaata tttctagctt ctaaaactta tgaaaggtaa cctcctaggt 211920  
 gcttcaaagg catggtgaagc agtttctttt tttataggag ttagaagctc tacaagatag 211980  
 ttcagagaaa ggaaaattaa agagaggaaa tcagaagata accatgggtg gggggagggg 212040  
 gagactcaat aaatggcaaa gttacacaaa taacaaacca gaaaggaatc attccagaag 212100  
 ccaacaattg aacctaggcc accactgtca gaagataaag ccttagctac tgagctgtac 212160

agcattgagc agtttctatt gcttttcca gaaggagcct agagaagcca gtttcaagct 212220  
 ttcaaggctt taactgtca caaaaaattt ttaggactaa ctatgacaag aacccccaaa 212280  
 ttctgtcct ctggatgggt gaaatcaaaa gaaagtattc ccacatggct actaagttaa 212340  
 gctgttaagg acacaaaaca agacagagaa atttctaca gtattggttt cagggacca 212400  
 tagcaaaagt tgtaactgac cagcctgccca ggctggcttg aaaagcaggg ttataggggt 212460  
 cctaaacca catgctatcc tgtgataccc ctgtctccat tacagaacac agaaagacaa 212520

attcttatta caaagtacac cagatttgct acagcctaag actagtctca caaatccttt 212580

tttctattaa tcaaaccctt gcagaggaca ccagtagttt actgttttac tcaaacagag 212640

aaagagagag caagcagaaa ctggctgggt aagaatttct tacccttttt gtgggcatac 212700

caggtttcta gggtcccttt ctctgcagtt tccagaagaa ccgagtggct tctggcgacc 212760

ctgtctactt gtgtatagc tggggattca agccacttta caagagaaaa ttacccttta 212820

ctgtcttaca gaacatagg caaggttctt aatttgcaag atgtgcca atgggctgca 212880

tgggaaactg aattaacatt ttccgttcca gaaaacaca cataacaaaa cagacattac 212940

ttaccttggt cagcaccac tatcagcctg gcaaagctca aactttttcc cattgggtccc 213000

tgctatcttt gatctactct atgtggggac agatgacctc tgaagggtaa ttcatttgg 213060

ggtctctggg aaaggcaaag agcagacagg cactccgaga caggcctgtt aagccctctt 213120

tagggttcat tgaatgtgac cagacgaata aggagggttc tctgagttag gcctgctgga 213180

cttccatcag caaccctct gagatccctt ccacatatgc aaacacacac aaagatgaga 213240

cagacagaag gccttccaaa tcagatccct aaccaagagc tccaagaata tcccttattc 213300

caaatatcc tctattctc cgtctgagaa accgcctcaa aatctttctg attgagaagt 213360

ctccaaagcc aggactcttc ctactagtta gaaagagcca actgagaccc ccaggagccg 213420

aacagacacc ctgcaatgag gctacaggta tcccatggta gagctacaaa gagacacccc 213480

acaatggagc tacagacacc ccatcatagg gctacagaca cccaccata gggctacaga 213540

accagtcggg agaaggaagg tggccttggc agcaatactc accaatccag acaccctca 213600

atggggctac agacagatat cctgtgatgg ggtacagtta agggacatct caggactatt 213660

tctccattgc aattaaatcc atgcacattg ggtcggcagt gccccaccag tagagagagt 213720

accagagtca gtccccagcc caagagaact aggcgactgc ttgggttggc ttctggatcc 213780

atccataaaa ggggtgccac cgaaccacag gcatgtagcc acaagggcaa tcccagacaa 213840

gcccttaaat ttgtaaccac ccgaggggtt cgcttgccc gctgcctaga cagagccgat 213900

tattcaagac agggaaatg caacagagaa agagaaattc atgcagatcc tgctgcacag 213960

gagactggag ttttattatt actcaaatca gtctccctga gcatctgggg agcagagttt 214020

tttgttgtt tttgtttgtt tgttttgaga tgggtgtctg ctctgtcacc caggctggag 214080

tgcatggcg ccatctcagc tcaatgcaag ctccgttcc caggttcacg ccattctct 214140

gcctcagcct cccagatagc tgggactaca ggcgcccacc accatagca gctaattttt 214200

tgtattttta gtagagacgg ggtttcacct tgttagccag gatggtctcg atctcctgac 214260

ctcgtgatct gcttgccttg gcctcccaaa gtgctgggat tacggtcattg aaccactgca 214320  
accagcccag agtttttaag gatagcttgg tgggttagagg gaaaccagtg agccaggagt 214380  
gctgattggg cagagatgaa atcacaggaa gtcagagctg tcttcttctg ctgagtcagt 214440  
tcctgggtgg gggccacaag atcaatgagc cagtttatg atctgggtgg ggccagctgg 214500  
tccatcaagt gcagggtctg caaaatatct caagcactga tcttaagagc agtttagga 214560  
gggtcagaaa cttgtagcct ccagctgtat gactcctaaa ccataatttc taatcttctg 214620  
gctaattgta gtctacaaa ggcaatctag tcctggccg tcccatagg tgaccaacca 214680

tgctagtctt tctctagcaa gaaggaggtc tgctttggga aagggtgtt atcgtctttg 214740  
tttaactat agactataag ctaagtttct cccaaagtta gttcagccta caccaggaa 214800  
tgaacaagga cagcctgaag gttagaagca agatggagtc agttaagtta gatctgtttc 214860  
actgtctcag tcataatttt gcaaaggcga tttccctgac acatgtaaga attccaaaag 214920  
tatttcagag attgaaagac ttgtttctta ttcctgttca aagtacttgt cacatgaaat 214980  
acattaaatc caagattctc tgattctctc actgttgtaa aacacacaca caaacacaca 215040  
cacacacaca cacacacaca cagcttttgg tctccagtga ctggggagga gtcgtttgct 215100

ctcacagatt attgtattct acacacaatt cttcaattaa atgaatgttt agaagtcaca 215160  
aacacttttg gaggtgagg cgggtggatc acaaggctag gagatcaaga ccatcctggc 215220  
taacatgggtg aaaccccatc tctactaaaa atacaaaaaa ttagccaggc atgggtggcgg 215280  
gcgcctgtag tcccagctac tcgggagact gaggcaggag aatggcgtga acacaggagg 215340  
cagagcttgc agtgagccga gattgcacca ctgcactcca gcctggggaa caaagcgaga 215400  
ctccgtctca aaaaaaaaaa aaaaaggaag tcacaaacaa cacagaatcc tgcacaaact 215460  
tgggtctcagt tttaaccaa tccctacct cactcgcgag atgagaaaac aaaagaaatc 215520

agcctgcctt tttttattcc ttgggctaaa ttgttacata ctctgcaagg aatgagcat 215580  
agatatttcc aagactaaac catcatacc aagcagtcag taataaatat gatgaatgcc 215640  
taaataaatt atggctagag ttggtaaagt aattcttcac catcagatga ttcctgtaaa 215700  
aagcactaaa gtgtcaatct acatgaagcc ccggccctg tttcaagtta tctgttaatt 215760  
acacatccct catttatcca gtgactctgc tattatggta agtgtcggat tcattttatc 215820  
ccattgtcga atagatttta attgcagctg ctgcagcaga caccttgaga tacatttctt 215880  
attgagaccg tggcagcctg ctagactggc ccaatgatga ttaatttcaa tgacttgaat 215940

cactgagaag aagggaagcc acttccattt taattacatc tacaagagtg cagcactttt 216000  
ataccagttc attgtcetta aacaaaagaa tacctgaaag gaaaacaaaa ttcagggtat 216060  
gggtgtctct atttgtactg atctcctttt ttcagttcat tgcaccacaa ctgagtcagc 216120

tctgtattgg gaaatattgg caagccattg ggatttgcac acagattaga aacctgaag 216180  
aaagcgtcat tcagcttgtt ttgtttatc ttacttgggc aattagaatc cattgagcgg 216240  
gttaagatat gacacagcat ttgccatca tcgcagatgt tccacataaa agggtaaga 216300  
ataattaact ctgacatgca tatgtattta ttattgttc caggagaca gagccaaaga 216360

cattcttggg attttacaga acactccata ctcatcaca ccttggatg ctggcacatg 216420  
ctagtccctt ctcttccca tccatttga taaaatttc cagcaaaggc cagctcaatt 216480  
gtcatttctt ctgtcctgcc ttgagatagg ggtggagtga ggggtggggg tgaaagagca 216540  
gaggccttgg atgagacata tctgactggg actgccagt ctgtgtgacc ttgagcaagt 216600  
tacttaggct ctctgagcca cagtttctc atctaatga agaaaaatta acattctctt 216660  
atgttattat catgtggatt aaatgagata ctttctagaa agcaccaga ttgatgcctg 216720  
gtcataaaag ggtgtgatgg gtataagtct actttctct tctgcacttc tcgcagtagc 216780

acttaaaaaa aaaaatctcc ttatgatgc taattgatca gcaagccaga aaacaggaat 216840  
ttaggctctg tctttcttc ctccctcc ccgcgtaaaa agatgatgaa atgtattgt 216900  
ctctacttc tatttcagat tcattctctt ctctcgtcc tcaactgtaa ctacctgat 216960  
tcacacctgg ttcttctac cctcacctga attaatgcag aagactctt acagatccc 217020  
acacctccca tctgacctt ctattgcac ttccatgagg cttgcacagt gatcttccct 217080  
gccccccc ataggtgacc aacctccca gttgtccag gacagcagg gttccagga 217140  
tgtgagactt ttcagtitta aaatcaggac attcccaggc aaaccaagat gaggtagtca 217200

ccctgcatc cttagttaa atctctaac agtttctca agattccaag ataaactta 217260  
atttgcagt gtaatacaca aaactgtttg taatctagc cttctctctt accttcatct 217320  
tcatcatgcc tccgtatttc ctgcacaaac acacacacc tttgcttgg caatactggg 217380  
ctctagaac ttcttcgca gatatttcat gctcttctt gactccttct ttgtctttgc 217440  
ccttgagtt cttccactt gcaatgcca ttccctact ctttcatcg gctagtcct 217500  
tcagatcctg atgcatcac tccactaata agtaccct gagagtctaa cgtagaagct 217560  
cctctactgt gacttctac gaccctgtt ttaaactctg acctgacata tttatgctt 217620

cactgtgatt atgatctgcc tgcctaata gactgggcag ttctgagga caggactat 217680  
gccttcttta agtcaggag ttgacgatg tctgtctca ttattggctg gacgaacaa 217740  
taagtgtat atatttgcct tctcacctc actactaagt gacctctca aaggcagaaa 217800  
ggacacatct tgatttctt tgatctctt attttctcc ccagcacctg gtccacagca 217860  
gggttaatt aaatgtttg aatatatgaa tgaatgaata aatacatct tctttagata 217920  
tgagcctagc ttcttggtg aaataaactt ccttcagtt tgttactac ccctgcccc 217980

agctggctgt gtgccctaga caaggaacta gttgtcagaa ctaaacatgg cccacactg 218040

tccctcaagt ggccatcagc ccgaagacac tggggtcagg acctctccta taggcatgaa 218100

ctccagaagg aaaaagattt ctgtccaaag gctgatttca gtcaaatcta ataaaatttt 218160

caactagatt ccttacacaa ttaaatataa agaccactag catatgggga ggaaagctac 218220

accagatggc tttccacta caaagagatg aaatatatgt catttccact tccatagtgg 218280

tttagtcttc ttggagctca gcattaaaca gctgggagcc ctttctgaca gctgggagcc 218340

ctttctgaca gtgcagattc cactgctgat ggcaggaagt cagtatcagg cagcatccat 218400

ccattttctc caactacctt tccagccaac cacctatgac tttctctcct acaaaagttt 218460

tatgacaagt taagtagaaa gcttagcaat gaataagacc tcaagggatt tggcaggatg 218520

gagaaaatga ggaaagtgtg gaataacatt gattgttctt gggaataaat gtaaagtgga 218580

aaaaggtcta agggcattgt ggtcgacacag accagggatc aaagcctcac tcttccatgt 218640

agaagccacc tgaccccatg tcactgggac tgggcttcag ttttctaacc tcaacaggga 218700

gaagaatgac aagacctagt tggcacagag tatgttcagt acatttttagc tctcttcccc 218760

tctcttgact cctattgtat ttgctaaaat gacacttctg gtctgaaatg gatTTTTTct 218820

tttctcatg tgtgggtttt ttgttttttg tttttagtaa tgataacgcc cataaatatt 218880

gttttaaatg aaatcagatt tagatatgca tttttaaat acttactttt gaatagaagg 218940

acaagactat gcigaacaga ataaaattag aattgtcaag gggtacctgg gaaatgtgac 219000

agctctatcc atgaggcaac catgacagct aaaaaaattg gtaacttgta attggctttg 219060

ggtctccagt atattctgct gtgagtctca catttgcctt cctaagtctc ccaaatggag 219120

aggggtctct aacactctta agctccctga tataccctt gatactgtc cctgagacta 219180

cttgtttcca tacactattg ttctgatat tcattcacct ccaagtcac tcatttttta 219240

aatcacatt tgaataggca tgtgtgagag aggctaacac acctgtaagt caaaatccca 219300

tggcgcgctg tagaagacat cccagtaagg cttaatgagc aagggtttca gaatcagagg 219360

cctaaattct aaccttggcc ccttcatctt tgtacaagag cagcgcttat gtctgtgggc 219420

tgttatataa aatctacaaa taccgtcat tcagtccagt ttccattca atgagaagcc 219480

cctttcatca cattcctagc agatagtcac cccatctctg cttcagttcc tccagtgaca 219540

gagacctccc ttttctgaac tgccatataa gtttgtgcaa tttgggtatt gcacaaaagc 219600

accaacctga agaggcaaat gggagctaaa atcgagtcac cattctgcat gtaaagcttg 219660

ttgcctaaaa gggatgcctt tttcttattt gacggtccat aaaaggctcc tttttctaac 219720

ctcacaaagg caccatatag actatcagtg accctgccag gtcaacacac tccagcgctc 219780  
actgaaaaat agaaggaact tcaacctctg ccatgaagga tgttgtttca gatgccaagt 219840  
ggacaatgag actgtgtcct ttggctcttc ttagcaaggg ccacgacccc aaatgagccc 219900  
aggtgttgag agaccagcaa ttagttgccg tccaagctag tgtctctgca agagaagaat 219960  
ataacaaaat aaataaagac ctgcagcagc acaccatgct tgatcattta tcaaattgca 220020  
aaatcttatt catgactgtg aaatggcttt atagtttaga aaatgtacta ataattgtat 220080  
taggcagcaa ttaaacttaa attcctttta actgtatttg atgicattct tttctgggc 220140

ccattagact aacattaagg tgtttgtgca gatagctcag tcatttcaaa ttactttctt 220200  
gtctaatttg ggagccttta atagcatact cttaggttga attcaatttt ggagacacca 220260  
ggcatgctaa ttagattgtc tcagtgttcc ttgcagaaga agccaaagaa gagctatfff 220320  
tctccctctt ctgcttagca atgttcatgg aacacaactt tctgtgcaat tagaggtata 220380  
gaccctttac cacacaaaat ctcaattgaa ccgtaagtat tgctagcaga cacaatgtct 220440  
ggttaatatg ccaccattgt tgaaatgttt ttaagttctc attagagcca gtaagttttc 220500  
tcccctatta ttctgagtat cgtagccagt gtttgttctg tctcagcatg ttagagttgg 220560

aagagaggga gaaataagtg aacatttatt aggcacctac catctgcaa gttctgggtg 220620  
agatgtttaa tgcctccaac agccctgtga gctgtgggtc attatctcca ttacagatg 220680  
gggaaacttt gactcagaga gggtaagtaa agtgccaag gtctcacagc tggcaggtta 220740  
tggagttggg atttaaacag atctgactct aaagatatgg tcttccctt ctcttagctc 220800  
ctctgcttac tggtttgaa acttagaaag tcactttaac atcttgatca tcaagatcac 220860  
atctataaaa tatgataata atattcacc cctcacagta cattgtatft atcaaatata 220920  
glaataaacg taaatggccc ttggagaaag tgaaatgcta tacatatgtt gatgaaaagc 220980

aactcctgag ggaccttagt ttccccaggc tgatatatgg atcagatggg atagtattat 221040  
gtcaaacatc cagcccacgg ccagaactc aaacattcaa ccgaacaata atttcatcat 221100  
catttcaacc agccttagtc cctggaagcc ttccaactat gtaatctctg ctcatftaca 221160  
gattcccttt tetaagtctc ctttttcatt gatctattaa cataaattct ttcttcaagt 221220  
agtcatgca ctggcattg atctactaac ttatagctat tacaatcatg attgcaatta 221280  
ccatttggct ccttgaatg ctatcatcat tttctcttgg ttaccatgat aaatcttact 221340  
aataactcct gcctcagatc ctttgtggaa tgaggcaaga gattaattta ttaattgatg 221400

gattaatgac tcataacagt tacagtcatc attaattgct attacctctg aagcatcaaa 221460  
tggttgaggg ggaataagag taaggctaag tggagtgttt cttctctca gagggccagc 221520  
ctggtagaga aggtgaaagc tgtcaccagc caggcagaga aagtaaatgt caccttggga 221580

gtagtgagtgt attaaaactg ttatggcaca aaccaccgct gttccaaccc attcctttgt 221640  
 cttccctggc tctgacttgg ctttcccat aactactgtg attctttcaa cattagacat 221700  
 ccagctctgg gctgctggcc cttccctcat cccaaggtca ttctccacc aggaattcct 221760  
 gagagccagc caggcaagat aagaaaacaa caggcctatt tgccctcca gcctttggga 221820  
  
 tccttgaaag ctctggtgag tgcagcaagt agctacaaac ttgtcacct gtctttgaga 221880  
 gatcactcat ccttgagccc tcagattccg tggaacccat ggaagaccag agctcaaagt 221940  
 cagaagaagg gtacaccatg aagaaccaa acttttcac agtccacact acccatctc 222000  
 cattcatacc cagctctcct gtgtaagaaa ggtaaccctt ccagagccac atgaatctct 222060  
 tgtgcaaccc tcttagccat gcagcatttc tgcttagata caagagtggg gccaatgcaa 222120  
 tgcacatgct ttgtctaaat tattcccatc aaggaaacag tattatacat tctgcttacc 222180  
 acaggtctta cctgtaatga cccccacca tcagcaaagc caatcatttt cccttaaata 222240  
  
 ttatagctat tgttcattac tattggctat agagtttagt ttgaaggttt gcccatagca 222300  
 tatcccccatt cctttaccat ccaagatcta tatgtatgaa ctgtttttcc tctatttact 222360  
 atcaactttg aatgtatgtg cccccgctc ctttctcta gagagccttt ctcatataga 222420  
 cctgacctct ctcataactc atctatagaa tcttgcaacc atttctga aaaaacaatg 222480  
 gaaacagacc aggggcttgg ttcagtgaat atgttagtta aacctgagtc tacatggtaa 222540  
 aatggattat acatagttaa ccaaacagat gaaatgtata cacagctacc ccaaatagca 222600  
 cacaggcatc actgcagagt aaagtgggt taatgatcaa tccctccaaa acagggcatt 222660  
  
 aggaaagccc ttggcctagg ccagttgaat ggatttttct tgggtcttc cagactcctt 222720  
 ttgtctttgt gatggttctg tagtttctgc tgattgacct ctgaaccaa gatgagcagc 222780  
 gccccttctc atcagactgg ccatttctt atatcagaac tgatcagaac attgcaaaga 222840  
 gttatttaat atgccgctc aactgatctg gcaaagtga aggaagactg ggcaaccttt 222900  
 caatgccaga ctttgattt gatctcatag tcagtaaaga ttattgagct gaggagtaca 222960  
 tcttgtaat aacaatatgc atctccctga gtgtctgag gatcaaatga aataatatat 223020  
 gcaaatgaa ttgaaacct atataggcct gatgattgtt attatttctt tctgaaggag 223080  
  
 ttcttcccca ttagtgattc ctggcttgc ttggactcc tcttcagaa aagcaagcca 223140  
 gacacatgtg acaagttaa caggcataga agatattttt atctgctcaa gccaacaaca 223200  
 gtaaatgcat ccaacacagt gtgtgattaa ttgccaatg aattgtgaaa agaataattg 223260  
 ccagaagagt ttgaacaagg gagggctcag ctctaacaag tgggcaaggg aagaaggagg 223320  
 atcaggagag gctgtataga agaacagaga tttgttttt ggtcttgtgg gccagatagg 223380  
 atttggattg gcaggagag gacattccag ggaagataag ttatgtatgg ttgggtggac 223440

atgctaggga ttggagtgtt cagggagctg ggagtggggg agatgcattt gatgtagtgg 223500

gaaattgtga atggtatttt ctttgactct gtacctttaa ccatgcccta cataattgtg 223560

ccaccactc caaccagcct ctccaatcct ggtgtgccca tttatccaac actcactcct 223620

gcttatgctg taccacccct ttgccatcct ggctcatctt catacctaata ctgactaca 223680

tttccattt atatccttgt gcagggccct gtgaacttga ttcaaatttt tgacctcaga 223740

ggttttcttc tcaattccca ctcaagccta cagaagtaaa gctaacta agccagatct 223800

tcgtgtgaga tcttgaaatc ttctatctcc ttaaagtaat cctgtgaagt gaaatttctt 223860

ttaccccat tttgcaggag aggaaactga ggcttgagat gtttaattgtg agcactgtgt 223920

attattagtc cactttgcat tgctataaag gaatacctga gactgggtaa tttataaaga 223980

aaagatattt atttggctca tggctctgca ggccatacga gcacagcact ggcactctgt 224040

cggcttccgg tgaggtctca ggaagctttt actcatgacg gaaggcaagg gggagcaggc 224100

atgtcacaag atgagagaag gggcaagaga gatgccaggc tcttttaaac aaccagctgt 224160

cctgtgaact aataaggtga gaactcactc attacctcag ggaaggcact aagccattta 224220

tgagggatcc acctgcatga cccaaacacc tcccaccaga cccaactcca acattgaggg 224280

tcacatttca acatgagatt tggagggggac aaatatccaa accatctcag ggtgagattt 224340

gaaccccaac ctgtctgacc ccatagccta actcccacca ctaggcagat gacaaagcct 224400

cttattgcct tggcccacca tatttggtttt ttctatcggt agtacccttg gataggatat 224460

tttactctag gcaacccttg gaacttagac cctgcctcat attgccatcc tgccgcaaat 224520

ccttgggtag caaggacatg tcataggttag gaattctcag tgcagcagtt agtttgggg 224580

cctaaaagac tttattttct tttgttgtt gttgttttt gagtcagagt ctgatctgt 224640

tgccggggt ggagtgcagt ggtgcaatct cgccacactg caacctccac ctccagatt 224700

caagcaattc tctgctca gcctcctgag tagctgagat tacaggagtg tgccaccatg 224760

cccagctaac ttttttttt gtttgagatg gagtttcgt cttgttgccc aggcctggag 224820

tgtaatggcg caatctcagc tcaccacaac ctccaccttc ttgggttcaa gcaattctcc 224880

tgctcagcc tctgagtag ctgggattac aggcattgtc caccagcct ggctaatttt 224940

gtattattag tagagacagg gttttgcat gttggtcaga ctggtcttga actttcaacc 225000

tcagggtgc tgctgcctc agcctccaa agtgccagga ttacaggcca ctgtgcttgg 225060

ccaatttttg tatttttagc agacggggtt tcagcatgtt ggccacgtg gtctcaaact 225120

cctgacctca ggtgaccac ccacctcagt atcccaaagt gctgggatta caggtctgag 225180

ccactgtgcc cggcccgtaa aagactttca acaccagcat ttatatttga ttctattgac 225240  
 agtgaagcc agtgaaggtt ttaagatggt tataaacatg aggataacat gatcaaatgc 225300  
 catattttca gaagataagt cctggacaca gtccaggact atcctgcctc ttcctccta 225360  
 tacaatgaag aggtggcagg aagacacaat ttgcacccta ttttgtggtt taagttaagg 225420  
 ttataagagt ctgaattagg tagtgggtgt agaaatggac agaataatgat aataagtaat 225480  
 tgactcattt tactctgaaa taaatgtatt tcttctgaaa ataaactttc tcaccaatag 225540  
 catcatctgg aaagaataag ctcatagctt cataactctc ggggacccag gatgtatctc 225600

agggtgatca ttgttcttg gttcatattc ttgaaacttt tggcaacagc atgatgtgga 225660  
 gggaagctta ggggggttaa gtcaggcccg ctttctagta gtgactctgc cactcaacta 225720  
 accatgtgac ctgggaaag tccttaatct ccttgagcct gtcttctcat ctgtaaaatg 225780  
 gggttaatgt ctgtcacaca gggtagttgt gaggcttaaa tacaacagaa gatagaaaag 225840  
 ctatgatgag cacagaataa atgtcagttt ttatactatc ttttcttagc caaacatctc 225900  
 attaaaagcc ctgagtaatc acccttaaag tcatgtttga aagaaaagtg attgggttta 225960  
 accaaccctt tagaaagaaa ttggctttc caaatgtttt ccactgtgta ttaagacaca 226020

taaaaatgtt catatctttt gaccagttg ttccacttct cagaatctat tgtaggaaa 226080  
 ttgtcctcaa tacagaaaga gtggaatgca caaagaggtt caatgcacag atggctacaa 226140  
 tagtgaaaaa tcagaagcaa ttgtaatgtc cagaagccaa tgattgcaga gtccactgc 226200  
 agtctgctga tactttaaac atgctttaaa tcagtataaa atacacagct caaaacaata 226260  
 tgaaaacggg caaagtaaat caagatcaa acattctttt cttcgattca tcacctcca 226320  
 cctctgatgt ccaacccac tcttctgcag ggcttccctg tgtggcccat ataccaaca 226380  
 ttctcttttt ctgccatctg ggtactacca gggctcattt gcacagcatt aagcttcca 226440

cccagctgcc taagccccct cggaggcaaa tctcagctct ttcctctgca gacacagagg 226500  
 ttctctcaa gcttggcagt ttttggcac agctctctct ctgtctcca aggttctct 226560  
 gctctggccc caccctat cctattacc ttcacttc caactcttt cccgattgtc 226620  
 tccaacgcag ttcgctgtgc ctttctaagt tagagaaagt attttctcag gtgtcaaaa 226680  
 tttgttcac tacataaact taaggaagag ggaaaaaga tagattttga tgtcaaagt 226740  
 tatttagaag ccagtttaca ctacgtctcc aagtctttca gtcttgactg cttcgtggaa 226800  
 tccctcaaga gaagactaaa atgttattaa actacatcat ttcaaagctg gaattcatga 226860

agttagaaac acagacagtt agctgggtcaa aaataaaaat aaaaatcaca taaagtcag 226920  
 tgggtctacc tgtattttgt aagcgggcac ttctctttt ggtaactcct tgaatgaaga 226980  
 gcatttgggt tctcttgagt ttgtataatt atatgcattg tgcaatttct tagctttggc 227040

aggcgctggg tagcatttgg cttcagcact ttcaactcta aggacaattt cacaattggg 227100  
cttttctgt cagctccaac atctggaccc aggggagact ggggccacca tgcgatgaaa 227160  
ccctatgtga acttctcag ccaagcaaga acaagctgta caaggcagg tccttccctc 227220  
actccaggag ccigaaaagca ggtctttcac tgtggctgcc aggttatggc cattttttaa 227280

aagaaaaataa gctgatcatt ttttaaatg ctgctttact ggttgaacaa taatcactat 227340  
ttcaaatcaa tatttattca gcacctactg catgccatga gttccaccct gtgtgctgga 227400  
atacagagac agctcctgt aatccatcct gcctcttcta tcttcttct tctttccctc 227460  
tttctcttc cttcttctt tctttacttc cttcttctt tagttcttc cttccatcct 227520  
tcttcttcc tcttcttcc cttctttact tcttcttcc tttggttctt tcttccatc 227580  
cttcttctt cctcttctt ccttcttcc ttttcttcc ttttcttct tcttttttt 227640  
ttttttgaga cagagtcttg ctctgtcacc caggctagag tgcagtggca tgatctcggc 227700

tcactgcaac ctcacctcc cagattcaag tgattctct gcctcagtgc cccgagtagc 227760  
taggattaaa ggggcccgc accgtgccca gctgatttt gtatttttag tagaggtggg 227820  
gtttcaccac cttgaccagg ctgttctgga actcctgacc tcatgatcta cccacctcgg 227880  
cctcccaag tgctgggatt acaggcatga gccaccacgc ccagcttctt tctttaata 227940  
ttgtttaat aatgctgaaa acaaaaaaga aaaaagcact tacaatcca tcacttgga 228000  
tataaagaat aaaaaagagc attgttctaa agcttattta gaagccatt tacacttaga 228060  
cctcaagtct tttagccttg aatactttgt gaagttctc aaaagaagag tgaaatgta 228120

ttttaacca catcatttaa aaaatacatt gctcactcta cctctctga gtccgtgct 228180  
gcctctggtg gcctggggca gggaatcaa tgctgccc aactggccac ggcagtgatg 228240  
gaagtggtg caatgagaac tagtctctgc cttaggaagca ctgtaggtt atgttatata 228300  
caaaggatga tgccttcaca gtttaaacct tcccctaat ttataacct gtgctgagct 228360  
ttctgctct cccacagatc ttccagtcct acctctctc aagtagaact ccttaaatgt 228420  
agagttgtt ctttcttct tccccacaca cttaaaacag gcaggacat tttgttctc 228480  
atgaacgttc aggaccgcga cactgtgaaa caatgagtga aaggagtaga cagcacggac 228540

tctgacttcc tggtcttaga aaattcctc cagagtaagt ttgcatgcag ttcactgtt 228600  
cacacagtc tgggccaaag gatcccaat gaaagcaaaa acccatcaag agaattgtga 228660  
tttaaaagt aagaaaacag cctgtgcata tttttagaac agcccagaaa agaatacatc 228720  
tgtgacttga aacagctgga aatctacttt ctgcaaaaat tatgctgatt atgaaagctg 228780  
taatggtcag acaagagaca gtcagaatcc aaggagtctt gtattttcat gtattcaact 228840  
ttcaataat ctttacttc atacattaaa cattgacccc tctacactgc ctttcaaca 228900

ccaaatgcc a gccagccatg aagtttttac agccatgttt gtataattga ggattttatt 228960

gtattttgcc cttatcagtt tagtagtaag aatgatcaac caaaagaaca aaagtaatca 229020

gaagcgtggg ttttataaac tcataatata cttcagaaaa taaagaaaat tatgaggcat 229080

cctgaaaaca gaataacatt agccctggat agtcattggg ttacaccagt caaccatgtg 229140

ttcaattctg aaggaaaaca aaattttaaa atatgtgtga aatgttaaaa atattggtaa 229200

caacttatgg ctaaaagaca aggtatcatt agggatatat atatatatat atatatatta 229260

ggattactga aaatgaagtc ttctcctact tggcactctg ctagggtatg tctgtcattc 229320

actgttatgt cctcagtgcc ttgcacataa tagatgtccc ataaatatat gttgaataaa 229380

tgaataagtc attttagctt ttgacatttt aaagaattta ttatgcataa aagtagagat 229440

atatttgcct gtctcctaat atagaaagag aagtagaaaa aggatttctg aagctgcccc 229500

gtcaatgtgc gtagagatgg atcaatctct tacaggggta caaaagggtga atttaagcag 229560

aaagggtgac agtgagctgt ttgtcagact attgtccaaa tgccctccct cacgggtacac 229620

cctcctccaa gccacacata cccctgactg aaatcaggca aaaaaacaga cctggttaagg 229680

ccaggacaaa gacaaggctt aggagtggagg tgccccaccc cccgccccca tcacaggatg 229740

caacgtctgg aaagagggtg gacaggaagt tgtgcccggg ggagaacatc aaattctagt 229800

ccaatatagt ccaaactgag gaataaaatg aaaatgtaca accaaggtaa agaaccacac 229860

cagagatgct ggtgagtga gagcattcaa atggacattt ctagaggaat tctcggggta 229920

gagtgcaggc atccaaactg gtgtttccca ccaacttctg gtgtgcattt gaagaaacca 229980

gagcagaatg catgcagctc ctatgcaaaa gacggataaa ttacaacaca gaaaagacag 230040

tctaaactcg tgcaccagca gagcaagtct ctgatgtatt tgctccaaaa tgtaaatgat 230100

gaagccaaat attggacaca gtttagatca ggcactggaa aattatttca atggtgccaa 230160

ggccacacgc atggaggaaa agcagtgtca gcagcaagtg tggtagaaaa cagggtaaaa 230220

gcaggatggt cctgagattc taagatcaga accaggaagt gttggcagga aggcctggga 230280

gatgatcaga acagtctctc ctccagagag gacccaagcc tcactgcac tgccacgcca 230340

ccccaatctt gaaggtaccc catgccgaac ctcatcactg acagcttggt aaggtgtata 230400

acgccaggga ggagtgtgg taaacgtatg cacacatata tataaatatc atcttgctcc 230460

aaggttttt aggatgtgta gctctgcttg tcacaaaggt aacaggggtg gtcattggtt 230520

tcactttatg tgaccttaaa gtgcatttta agtgaactca cattcaatgt cactttgtgg 230580

gatgcttggg gaagagggtc tccttttagt tccagtcttc tgaggctctg ccttttcct 230640

ctctggccct cctcagacaa gcagagctga gactctgcct tcaaagctcg ggtattgcct 230700  
 ggaatccctg aggcaagtct agctggggaa tccagtcagc taacacatgc ctctcagaca 230760  
 gtctatactc tctcctctga catccaggag ggctcatggc agggccacac ggtgagacct 230820  
 tgcccatcac acagccatta cagaggattc ccacagagcc ttttgacagt ggtggccact 230880  
 catggctttc agagtatgct gcttcctga ggagctcacc aagggtctgt atactctcag 230940  
 aagtgcctct gaaaggcagc agtttacaga aggaccctg ctgagccctt ggtgaagctg 231000  
 agctgctgca cagcttgccc aaggaacacg ttttagaaat atcttcagat ccactgggac 231060

tgccagaggc tctcatcct gtgcccagca caggccagtg gttctagccc ttttggttca 231120  
 ggataaaact tcacccctcc taggtttttg tctttccact catccctcac tggtaggta 231180  
 aaatatgcct attaaatctt cccattgggtg tgcgagagtc aatathtaggt gtagctgaca 231240  
 aaagctctag attcctcttc ctctgagtcc ttacacagca tacacctatg ggcatggaat 231300  
 tgaataatct gccagtcctc catttccttc agctccctaa acagcaaata caaactgaac 231360  
 ttcattagca actccaactt gaatggcaaa tgccagccac tgggtcagct caaagctcaa 231420  
 ggataaattt cagtggtgaa acatccacag aaaaccctca agtgggagaa tgctaagaaa 231480

cagtgggaaa gaactaatgg gaatctaggc ctacttcaca cacacacaca cacacacaca 231540  
 cacacacaca cacacggact gcctgcgtgg ctggtacaat aaaagtgtgt atttacctc 231600  
 gctcatctat ttcattacaa gggaccaatc acaaagacat ttattttgtc tcttttctg 231660  
 ctctggtaag ctaattacaa agtaattgaa ttagctacag aataaattag ttgttatcaa 231720  
 actgcaagta aagggtattt tctaaaaatg attttaggtt aaaacactgg ctgacacaat 231780  
 tattccaggt taggaaatat ttttaaaatt tttttatta atatgtttat ttagggagga 231840  
 aatcctaaat ttaaaggtaa acctaaagta aatatttatt ctacctttaa tgaatgacaa 231900

agaaaggaaa gcatgggtaa attcttgaat atgctagagg gggcagctca cgtgaaatgt 231960  
 ttacatgata atctttgttg gttgaagtca ctgaaatatt gaaacgtctt tagtggtag 232020  
 caagtgggtt ggaatgggtc ttactctaca taatgttcga tttagcacc ttaccacatg 232080  
 taattactaa gtagccagaa agaattgtct tttcaaaagt acatactctg ccctctttaa 232140  
 aatctcaaaa atagcatgtt ttcttttcaa ctctaaatt acacttctat taaatgctat 232200  
 gcagagtcca gaaaatggct gcctctgac aatctggtgt gcaaagccct tcatgaagtc 232260  
 atatccattt gatcataaat aagctcaaa ataccttgca ataaaagtgt caggctttca 232320

gctctctggc aaagtagaag ttatttatac attgaaaggg tgtgggatat taatggcaaa 232380  
 gacaaaaatg attggaaaa gcctggaatc aaaggacaaa agctggaatt attaaacaca 232440  
 atacaacata atgccacaat cagaacact gtaataccat ggaattctta cagtgccggt 232500

caaattatgc ccatgagcat aatacttgag acttgagggt gaaatgtcag gtcctatact 232560  
 tgggcctgga agcaacagca caattacaag atcaaataac agtattggga ataaaaatag 232620  
 ttgtcagggt ttagtgggca gtgaactcag agttcatggc atgcagaggc tgcagaaagg 232680  
 ccaatttgag gatggacagt cctacaaggc atagtctgga agcagggttc ttaactgggg 232740

ctctgttggg ggggagtgga ttggggagtc acagcctcta ttgtcagaca tttatttcac 232800  
 agtttcatag caacattgtc atgattagct atgtacatat aactttgcaa ccatccttaa 232860  
 tgaataccta aggatcatcc tagaagtga atttctgggt ctgagggtgt atacattctt 232920  
 agtgctttta atacatacta ccatgtgcct ctgaaacat tttctgttcc taataagagc 232980  
 agttgaaaat tctgtttcc ccagctatcc accatttgcc tcatgatttt ctctaggact 233040  
 aaattttaaa gtagagtctt taaagtagaa gggagtccaa attccatccc tttcatttta 233100  
 taggagaaaa aaaattgaag cccatgaagg ataggcgatg tgtcctctaa taccagagct 233160

tctcaggggg agagaagatg ggggtggcta tagctccctt ctctggcct taggcctgat 233220  
 atagaacagg tgcattgaaa cgtccagcat agagaaatct acagaaacag aaagtagatt 233280  
 agtgggtgcc taggcttctg gatgggaggg aagatgggga gtgacaacta acgagtatgg 233340  
 atgggtgttt tgggtggggcc attgaaaatg ttctaaatct attgcggtga tgtttacaca 233400  
 acactgtgac gatactaaaa attattgagt tactttaaag aggtaaattg tatgttatat 233460  
 aaaatatatc ccaataaagc tgctatttta aaaaaaatg tgctcagtaa acattttag 233520  
 aaggacagaa tagaggaggg aaaacagatc aaacatcctt gttccttcat ttccaaccag 233580

tggcttttcc actttctcac ttctactgaa gtagaacatg tctaaaattg tccccagctc 233640  
 agtgctgggt ttcccciagg tgtttccctg tgtttcagga atgtgttttt ttagtaaaca 233700  
 ctaacctgcc tttccagaa cttttgagta gagaattttt taaatctgag cttcaggcca 233760  
 ggcatggcag ctcatgcctg taatcccagc ctttggggag gctgaggtga gtggatcact 233820  
 tgagatcagg agtttgagac cagactggcc aacatggcga aactctgtct ctactaaaaa 233880  
 tacaaaaatt agccagatgt agtggtgcat gccttttagtc ccagctactt gggaggctga 233940  
 ggcaggagaa tctcttgaac ccgggaggct ggggttgcag tgaacagaga tggcaccact 234000

gcactcta atctgggtgaca gactgaggct ctgtctcaaa aataactaaa taaaatctga 234060  
 gcttcagcct tttatatatt cctgagaatc tagctcaggg ctggtcacaa agtaggcact 234120  
 tgatagatgc ttattttactg aaatactggg gaactgtatg tacattaaat attaagtaat 234180  
 aaggcagtaa tatagcatta ttttctaata ttgatgccta atttctccag ctgtcagttc 234240  
 aagctctgtc aattcagttg gcagtttaaca ctctggcatt tcagagattc tgatctcccc 234300  
 ccttacattt cactgtgcat agtgagttgt tacgggcccc actttgcctt cagtgccga 234360

aagcacagga ctaaatttaa ggctcagaag tattgactgc agcatctggg gggcaaatct 234420

agaatccatg aagcttaaac ttatttact ttggaaggag gaaaggtcct ctttaaaaat 234480

aaataaataa ataaataaat aaataaataa acaagtgggg gctgcgcatg gtggctcacg 234540

cctgtaatcc cagcacittg gggcagtatc acctgaggtc aggagatcaa gaccattctg 234600

gctaatacag tggaaaccga cctctactaa atatacaaaa aaaaaaaaaa aaaattagct 234660

gggcatgggt gcacgcacct gtagtcccag ctactcggga ggctgaggca ggagaatcgc 234720

ttgaacctgg aggcagaagt tgcagagagc tgagatcaca ccactgcact ccagcctggg 234780

tgacagagcg agacttccat ctcaataaat aaacaaataa taaaaataaa aacacaaaat 234840

tataaatgct aagtacagca ccttgggaagg ggcctgacca aagaagcttc ctcagcttcc 234900

tgataagtct gcttgtggct ttgttcgttt ctctctcctt ttcattggat ttaattttgt 234960

ttttatgttt aaaagtccat tgttagtagc aatttagcat cataagcttc ctaattcttc 235020

ttaaaaaatac agtgcattta agtaattgtg taattaacta cccacacat ctagacgata 235080

actagaatgg tggggcatcc catctggagt ggaggatggg ctctcaaatac ggtgcctaata 235140

tgaaaaatca cacatagctc taattgtctt taaaatctct taaattgcct gttaagtaca 235200

gaatgtgtgg ttttatgtgt ctgaccttgi cagtagttct tagacatact caagtttgaa 235260

aatcactaag ccagacaaa ggaaggaaaa tccaaatgca ggtgcctgga ggtagaacc 235320

tctttgcctt atgaccgtc tcaaactctc agcttgaaca aaggtagggt ctcacctggg 235380

atgttgactg cctcttgttt ttgatactga gcccttataa acttaataaa tgttaccagc 235440

ttggtttgtt gctatggaat ttgaaaagat gatataattg aaagctgata gactgggact 235500

tggcacaaga ggigtctgtt gaatgtcagt tggattttaa tctcatttga tcaggctctc 235560

atacacactg ctctgctaaa gatgtgtct tccaagctgg tgtttctgtt tgtggcctca 235620

ctacatgaca atccactca ttcagggcgt gggccctgga ctcagcacct ctttcgggg 235680

aaataaagga ttccttttac ctgagggagg gttctcaagt ctccatttg aaaacatttc 235740

ttcatgacaa ctacatgatg taactttgta taacaaaag ttatttgaaa tgaacttact 235800

taataattta ctigctacat ttgctttttt acttctttgt aaagcttaag cttagaaaag 235860

gtgcttctgt tgtatttgca tttttttaa ctgactcgag taaggcaatg aatgaggttt 235920

ccgaaagatg accagagata aatctagcta aatcagctc caggacttga gttagttttg 235980

ttcctaccct tatacttatt tcactgacat aagtaatagt gtttctact atctactact 236040

ttgggggaag aaaagagagt ccttttggtg cagagttact aagcacctaa atatcagccc 236100

tgtttgctgg gcatgtggga ttcggaatg aataaatagt gcacagcctt gacctgaagg 236160  
 tcacatatgt ctgaagatat ttagtcccct agatactttc ttaaggagat gtaagggcac 236220  
 tagctttcaa tgtacttttg aggggaagtaa ccatattcct ccaatgtctt catagttaca 236280  
 ttgctttata caaaaactct ctctgtaata gcaccaacgt ctgcctaggt gttcaatcca 236340  
 gacacatga gtcaccaga ccactccttc ccttcacccc cacaacagtt gaccaccaag 236400  
 acatagtagc tctaagtccc aaaatatcca tctctccctc ttactcctct atctctttcc 236460  
 tgggttcaggc ctcatcacct cttgccttga ctatcaccac ttcttaaact tttctccctg 236520

tctcccattc ccacttcctg ccttttccca atctccctgc cttaccagc ccatgttcca 236580  
 tactataact agaaagggt ttttaaacac aaagctaaca atggcacctt cctgcttaaa 236640  
 ttcctctgtg ctccccgtt actctcagct gtggctcctgc accttttct cctgctaag 236700  
 tgcagtctca tatgtatgtg cattcagagg ttcatctgct catgcacggt tctgagcatg 236760  
 ccagctataa tcttgcccca tcactctgga ggggtgcaagc cctcagtggg gaacccctgc 236820  
 cttagagcat gaagctcaag ttccttggcc ttgcctaaag gttctttctg atctggccta 236880  
 ttcacatctg caacctcatt tctcccagc cagcatatg tgcctgttc atcagcctat 236940

tccaaaccgc ttacagtacc ctcaaagaga ccatgcccc a tgcgttttta cacattgctc 237000  
 tcttttctt gaatacttc ccccccccc tcateccacc atttagcaac tactaacctt 237060  
 ccaagacaca acttaagaac caccacctcc aggaagcctt ccatgctcca tttatgtccc 237120  
 tattctctat gttatatgtc cctcccctat aagatcattt atggcttcat gcttatctgt 237180  
 aattaataga gtgttcaagt ttatagcttg tcttgtgtgc tagggaataa gctccttgag 237240  
 accaagaact ttgggttacc aattgttaag atctcagttc tttgcacagt gcttttcac 237300  
 ctagggaatcc gtaaacattt gatatttgtg ggaggaagga aagaagtaag agaaggtgga 237360

actttgaagc tgtgatcatt ttctttccat caaagccata gcaaaaagaa caatatTTTT 237420  
 aacatccatt taattaactt ctataaagat tttttgtga cttcatgaat cttaaaattc 237480  
 tttattaaaa gatcttttgg ctggtttctt cattctcact tttgaggatt tgtcttaaag 237540  
 ttatataaag gattcatagg agagaggcag aggtggacag attacttggg gccaggtttg 237600  
 agaccagcct ggccaacatg gggaaacccc gtctctgcta aaaatacaaa aaattagctg 237660  
 ggcatggtgg tgcagtctg taatcccagc tactcaggtg gctgaagcac aagaatagct 237720  
 tgaacccggg aggtggaggt tgcagtgagc caagatcacg ccactgcact ccagcctggg 237780

tgacagagca agaccctgtc ttaaaaaaaaa aaaaaaaaa aaaaaaaaa aaaaagattt 237840  
 atgggaacat tcaatggtcc caggtttcaa caaaaactct gtagctctag aggatggtgg 237900  
 ccggaagtgg ggctttgaag tgaacagac ctgtgtttga atccctcttg gccattagt 237960

atctgcatgg ctttggcaag ttacctacct ctctgagcct cagtttccat atctgtaaaa 238020  
tagggatact aaaactacca actcctggcc aggtgcggtg gctcacacct gtaatcccag 238080  
cactttggga ggccagggcg ggtagatcac aaggtcagga ggtcgagacc atcctggcta 238140  
atatggtgaa accccatctc tactaaaaat acaaaaaatt agccaggcgt ggtggcgggc 238200

acctgtagtc ccagctactt gggaggctga ggcaggagaa tggcgtgaac ccaggaggca 238260  
gagcttgcaa tgagccaaga tcacgccact gcactctagc ctgggtgaca gagcgagacc 238320  
ccatttaacc aaaacaaaaa aacaaaaaaa caaaaaaac taccaacttc atagcattag 238380  
tttgattttt tttttttct ttttgagaca aagtcttgct ctatcaccca ggctggagtg 238440  
cagtggcaca gtctcagtc agtgcagcct caacctccc ggctcaatca atcctccac 238500  
ctcagcctcc caggtagggt agatcagagg cctctgccac cacacctggc tattttcta 238560  
tttttagaag agatgaggtc tcactatgtt gcctggctg gtctcaaact cctgggctca 238620

agtgatcctc cctcctcagc ctcccaaagt gttgatgtta taggtatgag ccacctcacc 238680  
cagcctagtt tgaatttaa atgataaaat acatacaatt gagtataac acataagtat 238740  
ttaatgtatg atgatgatta ttattattac aaggacaaaa tctagtgcac ctgatcttaa 238800  
gctatggttt catagtaggt gactgtgaag tggtaggggg agtccttgaa aggagaaaca 238860  
aaaaattcag tgggaactta gataaggaga agatggagaa gtcattttt ttcctaactc 238920  
gtttagctca ttctctata attaaactgc aagattatc cttcaactac aaaatggata 238980  
aattattcat tatattgact tgtttgaaaa gatatcatag tttaaaattg aatgaatttc 239040

tctttaatat gattttctgg caagattaga ttctaattgt gattaataac cttaaattgag 239100  
agctctaatt gaacactgtg ggaaccaagc atgagtcaaa gacatcgcc ctttacaagt 239160  
ggcagtcacc gaggaacgt tcacttgtgt gtcagaggga cacctaact cagcaagagt 239220  
aacagtagct gaggtgaat gaaggcttgc tgtgttgggt acgcatgtca agggagacgc 239280  
aggacgctat ttgcctcaca tctccctcat ctgcagtc tgcgcgtcct gtgccttgg 239340  
ggagttttta gtgtatgcag cttctgtgaa cacaaggacc tccccatcat gtccattgca 239400  
ctccctccat acctagcaca agtgcattgt cgggagtagt gccagtgaa tatgtgtcag 239460

gacagtgggg aaggaggag gacaataccc tctaacggcc ccagagtctg tgccttctgg 239520  
cccagattca gtcagactcc accaaagtca gtctccagga ctctgtttc caagtttgtt 239580  
cagcccttc ccctcagcta acctgttcgt ccttttgagc caaactcact gattagcatt 239640  
cagcttcttt cactttcaat catgccagac cgggtgttc atgcttaacc gttagggaaa 239700  
catcctgtct tttaccatga ttttgcagg tggctaatat catcaattat ttactcact 239760  
caactctcag agggtaatca cttctttgat tcaagttca aggccatctc actgtgggt 239820

cctatacatc accgattaca ccgggcagag tcaagcagag gtgctggccc tgttctttac 239880

agattcatct ggaactatg gtgctgttaa tctgctctgt gttcatgcta atagtgtctg 239940

tctataatca acctcaatct accattcacc acgcaaaaa gataaatgcc agacttcaga 240000

aatgaacta aaggcagccc tcaaacccca gaaaatctcc tgtccacccc tgccagggcg 240060

caagatgtcc tgatttagga ggttgatccc tctcttaatt cctccttaga atgtatttca 240120

aatcaaaag ccaatagtta catttctaag caacggagca gaccaaaaat gttttgtttg 240180

acacagaagc aatagaagca agaccatgtt tctattttat gaaacctctg agggtaatc 240240

actgaaatct tgacatttaa tatcacccaa tcacctctct agcaagctat tttctttggc 240300

tccattaacc ccacacacac agactgggct gctggcactt actgggtctt gtcgttaggt 240360

gggctgcttt taataccagg gcaggatttg gcaggaagaa gtggcacctg ctttattgaa 240420

agacatcttc atattttagc ctctgaaaga gaaatgtgca acataaatgt ccttaagaga 240480

cgattatcgt acatcaagat gtccattcca aaaggcattg taccagatgc ccaatcacac 240540

acagtcaccc agaacagacg tgacagatgg agactttgag cttttaaaga aaacaaatgt 240600

gcaaattcca aagtgtctgt gtgctccagg ccagcacatg cccaggtaat ttgagttgtg 240660

cccatggct gaaagataag attcaggcct cagagagggt ttggggagag gatgagtaca 240720

ggtttcttgt tgcccagagt ctccaaatag atacacacag gatacaccac ctccagcccag 240780

agatatttta gactgagtt aaaagaaagg attgagcatg cagcatcaat tgatacatta 240840

atgctggttc tctggcatca gggaagacat taacatacag aacttgtctt ctccactgtt 240900

caaaaatggg aagaatcatt ccaacaggga gagcagggaa gtccaaaatc cataatgctc 240960

aggtaacaag taatgaaacc agaaatccag ggtatttttg ctattactac caagggccta 241020

tcttcggtgt aatggcaatc ttctaaatct ctgcatagtt tgacacctgc aaatctgatt 241080

gagtcgtatt gaaccatttg ctgtctaaaa tccttgggag accccgataa cctagagctg 241140

tagctttcaa attgtccat gggctcgggc caaggcttcc acagggactg agggaggaag 241200

ggtacagctc ttgggcacat ccccttggct ccagtcagaa aagtatttct ctctgtttta 241260

caaattgagc ttccaagtaa gattttcttc ttttctcttt ttatctgtct ctgaggttgg 241320

gtacagtggc atgatcgag ctgactgcag tcttgacctc cctggctcaa gtgacacctc 241380

tacctcagcc tcccaagtag ctatgaccac aggtgtgcat cacctgtggt ctaatttttt 241440

tattttttta tttttttag ggacaaggct tcactatgtt gccagactg gtctcaaact 241500

cctgggctca agtgatcctc ccgcctcagc ttctctaagt gctgggatta caggcgtgag 241560

tcacatgcc cagctccaag taagattttc aacaaagagt cttgaggctt aaaaacaaag 241620  
 tatgtttgaa aagaaggggt ctgcaggatt aaattcagat aagatcctcc ccattctttt 241680  
 ttgtttgttt gtttttggtt tttttttgtt ttgccaggct gcagtgcagt ggccgagctt 241740  
 cggttactg caagctccgc ctcccgggtt cagccattc tctgcctca gcctcctcaa 241800  
 tagctgggat tacaggtgcc cgccaccacc cccggctaatt tttttttgta ttttttagta 241860  
 gacacggggt ttcacgtgt tagccaggat ggtcttgatc tctgacctc gtgatccacc 241920  
 tgcctcagcc tcccaaagtg ctgggattac aggcgtgagc caccgcgcct ggccgatcct 241980

ccctattctt taccctgtct tctctttaga cgttccccag cacaccaga taatccagtc 242040  
 atgtccagtg acttcttctt ctctatatca aagtttcctt ccgttccatt tgcctggaat 242100  
 gttctccctt ttctcttctc tgcattgtaa atctgtattc ttgttttaag attcagttca 242160  
 aattttgctt tccgagtact accattctct cttagcagca attatccata ttcaccactgc 242220  
 atttgtcat gtgttgacgc atatcgtatt attacatgtg tctgaatctt ggatcagctt 242280  
 gcacactcat agaatataga gtccctgtct tattctgtcc tctccatct tctccaggg 242340  
 cctggatgct tgtgggcact caataaatat ttgatggatg gatgcttagc tatttaattc 242400

accactagat agcaatttgg cataattcca aacaatttta ttcagaagga attcaaagaa 242460  
 ataggccac attctcataa ccaactcaag cagctctatg ttaacaaaga atataactac 242520  
 ttctaactac ttctgttag gtccgagttt tttttttta ataaaattta tgattgcaac 242580  
 aacattaaaa gagatattgt atagaggtca catgctgaaa gccatggac aacaacagtc 242640  
 ttttaaatg gcattgttg accctgcaa tctgattggg tcatttctc acttaaaatt 242700  
 ctacagagac ttctgttgt ctgtggagtt cagaggttc taggacacct ccaatgctaa 242760  
 ggctccaca tggaggcctg aatggaaagg aagtggctca gggctcaca ctttttgctt 242820

cagtcaaaga ggttctacag aatcaaagtg tttttgtct taatttctt ttattggaat 242880  
 ggctatggct gagcctgact ctccaggtt ccatagtcc caacacttg cactttccc 242940  
 atccattct accgtctga ttctgatat ttgagttgc aactcaaac tcaccctaa 243000  
 cccagccct ctaaaaccgt ttctatttt atgaacctat ttcaggccc agagcactat 243060  
 gcctattttt atatatactt gcaattgtat tgcataaca attttatatt ctgttttctt 243120  
 cacttaacac tgtatcataa atatttttcc agtatgtgag atgtgagaca cagcctctga 243180  
 tggttacttt ttctttttg agactgagtc ttgctctgtc acccaggctg gaatgcagtg 243240

gcacgatctt ggctcactgc aacctccgc tcccaggtt aagcgattct tctgcctcag 243300  
 cctccaaga agctgggact acaggtgcac actaccacac ctgggtaatt ttgttaattt 243360  
 tagtagagat gggtttcacc atattgggtc ggctggctc gaactcctga cctcgtgac 243420

cgccacac ctc agcctcccat gggttaccttt ttaaatgaca agtttttaag ttggttggct 243480  
ctaatttatt taggtcttct gttattgttg tatcaacttt ttattttttt gctcttagaa 243540  
gtaataattg tgttgaaaat cttcatacat atgaattttt tctaacaata aaagtgttcc 243600  
tcataattccc attcacaatt gccacaaaaa ataaaaataa atacctagga atacagctaa 243660

ctatggaggt gaagaaactc tacaaggata actacaaaat actactcaa gaaatcacag 243720  
atgacacaaa caaatggaaa aacattccat gcccgtaggag agggaagagt cattattgtg 243780  
aaaacagcca cactgcccac agcaatttat agattcaatg caattcctat taaactacca 243840  
ctgagactct tcacagaact agaaaaaac tattttaaaa ttcattgtga accaaaaaag 243900  
agcccaaata gcaaaggcaa ttctaagcaa aaagaacaaa gctggaggca tcattgctacc 243960  
tgacttcaa ctgtactaca gggctacaga aacaaaaaa acatgggtact ggtacaaaaa 244020  
caggcacata gaccagtga agagaataga gaattcagaa ataagaccac atgcctacaa 244080

ccatctgatt ttcaacaacc ctgacaaaaa caagcaatgg ggaaaggatt tcctgttcaa 244140  
taaatgggtgc taggataatt ggatagccat atgcagaaga ttgaaactgg acctcttcat 244200  
tacaccatat acaaaaatta actcaagatg gataaaagac ttaaatgtaa agcccaaaaac 244260  
taacctaggc aataccattt aggacatagg cacagtcaa gatttcatga caaagaagcc 244320  
aaaagcaatt gcaacaaaag caaaaattga caaatggttt ctaattagag cttctgcaca 244380  
ggagaggaaa gtatcaacag agtaaacaga caacctacgg aataggagaa aaattttgca 244440  
aactgtgcat ccaacaaagg tctaatatcc agcgtctata aggaacttaa acaaatttac 244500

aagaaaaaa ccaacaaacc tcatttaaaa gtgggcaaat gacatgaaca gatactcttc 244560  
aaaagaagac atatgcgact aacaaccata tgaaaaaaa cctcaacctc actgatcatt 244620  
agagaaatgc aaatcaaac cacagtgaaga taccatctca caccactcag aatagctatt 244680  
attaaaaagt caaacataa cacatgctgg caaggttgtg ggacgcttat acactattgg 244740  
tgggagtgtg aatttgttca accattgtgg aagacagtgt ggcaattcct caaagaccta 244800  
gagacagaaa tgccattcag ccagcaatc ccattactgg gtatatacce aaaagaatat 244860  
aatcattct attataaaga cacacgtaca cgtatgttca ctgtagcact attacaata 244920

gcaaagacat ggaatcaacc taaatgccca tcagtggtag actggataag gaaagtgtgg 244980  
tacatatgta ccatagaata ctatgcatcc ataaaaaaga atgagatcat gtcctttgca 245040  
gggacatgga tggagctgga ggccattatc catagcaaac taacacagga acagaaaacc 245100  
aaatatcaca tgttctccct tataaatggg aactaagtga tgagaacaca tggacacata 245160  
gaggggaaca atgcatgctg gggcctattg gaaggtgaaa ggtgggagga gggagagtat 245220  
caggaataat aactaatggg tactgggctt aatacctggt tgatgaaata atctgtataa 245280

caaacgccag tgacacaagt ttacctatgt aacaaacctg cacatgtacc cctgaactta 245340  
  
 aaagttaaaa aaaaaaagtt gttcctcatt ttagcacatt ccttatacgt tattgattgt 245400  
 attatattga tgcaaatata ttccaatatg tttttctttt cacttctcat atttttatga 245460  
 ttaaaatatg ttaaatgtta cccagatgaa tcttttgatc acttccattg ttatttcttc 245520  
 tattgtctca agctagttag agttcttcat agttcattac taatagctcc caagatctca 245580  
 tgcaatcttc attctctttt cctttgattg ctctatgtat ttaaaaagta tgcatttaac 245640  
 tctttaactc atctgagcat atttggcaca tgtttaataa atggttttta cattgatcat 245700  
 atcattatta ttaaataact tctcctttgc ccattgttta ttgtacttca tataaccaaa 245760  
  
 ttgtcatgta taaataggtg tatttcagtg ctgctaattc tccctactg ttctatatgc 245820  
 ctggttttgt gactacttta ttaattatta ttgcttcata atatgtatag aatttatagt 245880  
 actgtagtac tagtcttccc caattgaagg tcttcatttt tcaaaatc attttatatt 245940  
 ctggcatttt tgtttgcctc ataagtgtta aaattgcttt gtcaagttat aaaaataagt 246000  
 ggcgattctg atttaaaata taccagcttc ttaagtcatt gcatacttc taagcatctt 246060  
 atttttgttg ttgttgttgt ttctgttttc ttatggagag agagagaaag ggagaagtta 246120  
 cccatagttg catagttgca ccattgcctg agatatactg atgcaacttt gttattgaca 246180  
  
 gctcacagaa tggagcaagg ttttttgagg cccaaagctt atatgagtga gaggagactt 246240  
 ctttaagaaa aataattttt ttattatact ttaagttctt ggatacatgt gcagaacgtt 246300  
 caggtttgtt acataggtat acatgtgcca tggcggtttg ctgcacccat caacccatca 246360  
 tctacattag gtatttctcc taatgctatc cctccctag cccccacac cccgacaggc 246420  
 cccggtgtgt gatgtcccc tccctgtgtc catgtgttct cattgttcaa ttccactta 246480  
 tgaatgagaa catacggctt ttggttttct gttcctgtgt tagtttctg agaataatgg 246540  
 ttccagctt caaccatgtc cctgcaaagg acatgaactc atcctttttt atggctgcat 246600  
  
 agtattccat gggtatatg tgccacattt tcttcatcca gtctatcatt gatgggcatt 246660  
 tgggttggtt ccaagtcttt gctatcataa atagtgtgc aataaacatg tgtgtgcatg 246720  
 tgtctttata gtagaatgat ttataatcct ttgggtatat acccagtaat ggattgctgg 246780  
 gtcaaatggt atttctagtt ctaggtcctt gaggaattgc cacactgtgt tccacaatag 246840  
 ttgaactaat ttatactccc accaactg taaaagcatt cctatttctc cacatcctct 246900  
 ccagcatctg ttgtttctg actttttaat gatcaccatt ctaactggca tgagatggta 246960  
 tctcattgtg gttttgattt gcatttctct aatgaccagc gatgatgggc ttttttctgt 247020

atgtttgttg gccatgtaaa tgtcttcttc tgagaagtgt ctgttcataat tctttgcccc 247080  
 ctttttgatg gggttgtttg tatttttctt gtaaatgtgt ttaaattcct ttagattctt 247140  
 ggatattaga cttttgtcag atggatagat tgcaaaaatt ctctccatt ctgtaggttg 247200  
 cctgttcact ctgatggtag tttcttttgc tgtgcagaag ctctttagtt taattagatc 247260  
 tcatttgcga gttttggctt ttgttgccat tgcttttggg gtttttctca tgaagctttt 247320  
 gccatgcct atgtcctgaa tagtataggt tttcttttcc cttttttttt ttttttgttt 247380  
 tttgtttttt gtgtttgttt ttgtcgaagt ctactctgt tgccaagca agctggagtg 247440

cagtggcaca atctcagctc actgcaacct ccaccaccg ggttcaagcg attctcctgc 247500  
 ctccgctcc cgagtagctg ggacttacag gcacaagcca ccatgcctgg ctaattttta 247560  
 tagttttagt agagatgagg ttctactatg ttgaccaagc tggctcctat ctctgacct 247620  
 cgtgatccac ccacctggc ctcccaagt gctaggagga ttacaggcat gagccaccgc 247680  
 acccgggcat ctaggttttc ttctagggtt ttgatgggtt taggtcttat atttaagtct 247740  
 ttgatctatc ttgagttaat tttgtataa ggtgtaagga aggggtccag tttcagtttt 247800  
 ctgcataagg ctagccagtt tcccaaacac cttttatata ataggaaatc ctttccccgt 247860

tgcttgtttt tgtcagggtt gtcaaagatc agattgttgt agatgtgtgg cattatttct 247920  
 gaggcctctg ttctgttcca ttggcttata tatctgtttt gataccagta ccatgctgtt 247980  
 ttggttactg tagacttgta gtatagtttg aagtcaggta gtgtgatgcc tctggctttg 248040  
 ttctttttcc ttaggattgt cttggctata cgggctcttt ttaggttcca tatgaaattt 248100  
 aaagaagttc tggccagggc aatcaggcaa gagaaagaaa taaagggtat tcaactagga 248160  
 aaagaggaag tcaaattgtc tgtgtttgca gatgacatga ttgtgtattt agaaaacccc 248220  
 atcgtctcag cccaaaatct ctttaaactg agaagcaact tcagcaaagt ctgaggatac 248280

aaaatcagtg tgcaaaaatc acaagcattc ctgtacacca ataacagaca aacagaaagc 248340  
 caaatcatga gcgaactccc attcacaatt gctacaaaga gaataaaata ctaggaata 248400  
 caacttaca gggatgtgaa ggacctcttc aaggagaact acaaacact gctcaaggaa 248460  
 ataagagagg acacaaacaa gtggaaaaac attccatgct catggatagg aagaatcaat 248520  
 atcatgaaaa tggccatctt gcccaaagta attttagat tcagtgctat ccccatcaag 248580  
 ctaccactga ctttcttcac agaattagca tcttatattc ttatattatt atactgtag 248640  
 tttctagggt gtttactgct tgtgtataat aatgtatata gtaatgtagt atatatgaaa 248700

acatggtgta tagtaataa ttgggcatag taatgctact gacctttgaa ttttaatacc 248760  
 aaactgtcct ctttctaacc tggttgattt agttccagggt gtacagcaaa tttttgttaa 248820  
 atatttttcc ttttttccca gtaattattg tcctttaagt cttttgcagt ttgtctaaag 248880

caatattatg ttataatagt agctatatia ttttcagggg ccaattttg aaaaaaaag 248940  
 cttttaatct taatccatta ttgattcatt atttaaaata ggtatcttta tcaagttaag 249000  
 gtagtaaata gtatcactcc aagtaaaggt tttatcaatt tttcttttga catatattga 249060  
 aatagattat gtcatctaata gttaatataa tgtagtctt ttattgattt ttttttttg 249120

catttcttta gtaaccttcc ttaagatcaa atttgcaca cagaataatt agatggagtc 249180  
 cggccttgtc tgtgctttga tgcagtcagc atagcttggg aattatctgt tccttgtag 249240  
 ctggaggaa tccattagat ctgtatgcct tgctttttgg ggatattctg aattttttaa 249300  
 aaatttctac ctccattact gctttaatag ggcttcttac ctcatgctg cattttttaa 249360  
 tataagattg aattaaaatc atatatgttt attataaaat atcatccatt tgttcaggtt 249420  
 ttcagtcagt tagcatataa ttagacatag tattccatat aagtggttta attccttttg 249480  
 ctactgaata tattgagtca gacctgaatt ctcatccagg ttccaccact gattcatgtg 249540

actttaacca agtaacttga cttctatcat catttccta taaatagggg tcatattact 249600  
 tagagtatag gattgctgtg aggattacag atgatgtata tgaagtctt agcacagtgc 249660  
 ctgtcctcac taagtagaag atattacact gttctcttcc ctaatgctgt ttgtctcctt 249720  
 ttttgcctgt ctttaattat atttgcattg gttgtctatt tttcatagtc tttccagtat 249780  
 tttcagaagc aacatataag caatggggag ccatgaagg aaagagtacc aactctgata 249840  
 atcgaatgct tgagcatcat ttgtgggtgg atcatcaaaa gatgggtcta tgctgtgaga 249900  
 aatgacagaa ttgacaagag gccatctaga ctcttcttgc caagcaaaat gtggaagtgt 249960

agtccttata ttcatagtca gtaaacacag tctccagagc ttgggagaga ctcttttaag 250020  
 ggcttctgag agtgggaaat tgaccaggcc ccagttgtc ctgtgcctgc atccaagcct 250080  
 ttagggcctg gaaacagaga tgctgacaaa caccatgacc cagactgaac ccagcttttc 250140  
 aatgggacaa caaatgagc tttgttcac cttttgaaat ggagcccaat tatgtttgat 250200  
 taataaatga aactctgtgt ccaaatagga gagacactgt agaaaaatg gtcagaaaac 250260  
 actttgtgta agaaaagget gatgaagttt tcatcagagg gctttcattt gcctggagct 250320  
 agtctcagac agagagaaat gttcagcttc caaatccttc tctgtttct cattcctttt 250380

tttttttct taaatatgtt taactctcct gcttaagatt tattttgggc tccttagcga 250440  
 tggatttgtg ttatttgtgt catttaaga aaaatgcact attaaaaaca ctctaatcc 250500  
 atttataaat gtcaacagaa aaacaagtca aagggtgaca atagtaatta atcaaagcat 250560  
 atttattgag cactttctat gtacaaagca ctttctatgt acaaagctat atgctattaa 250620  
 gtaagaatag gaaacagctt ccagcctcaa gagtcttca gttgagctga ggaaatagcc 250680  
 aaataattga ctagctataa tacaagggaa atggaaataa atattaaagt cagtacataa 250740

gccacgctgt actgaagtac atatcccagg gatggattag caaggacttc atgagcaagt 250800

tgcatattggg ttgcatcttg aaatgtaagc aggcctttttt ataaggatgt gttctcttag 250860

attttttaggt gagccagcca atgcacctat gtattatgcc ccagatgtca gcaaacacaa 250920

gcaactattc taagctagtc catcaaacc atgtgtgcac acaagcacac aatcatgttg 250980

ttcccaggtc acctatgggt actttcctat tctcattgc atttgtecca tccaaatgct 251040

tactccaaa catgcctctg aacctcttca atttgatgac ctccaaagct tagcttctta 251100

aatctggtec tttttacatg gtttttgggt ttgcttctt ccttaagttt tagcctttca 251160

ctccatgttg tctgggggaa agaactctcg gctctggtec tctgcgcgta gggcccccatt 251220

ccctagccgg atcaaatctt ggaatgagga agcgttggaa gaattccctg tgttatccac 251280

ccaggagtgg ttaggtaat acaggttctc ctccactccc tggccccaag taagatgatg 251340

cttcagaata aaaacatgcc ctgcataga taggtggttc cttcacagc tggctcctta 251400

ccagaatgga gaacagtcct gctagcatgg ggttcagagt cttctgtgt gtgcatcttt 251460

ccaaagatat taagaggaga aaaagatcca agtgaatttc caggtttctc caacacttta 251520

aactatacat ttgatattt taaccaactt gatgaacatg ttggcctgtc tgttcacac 251580

accaaggagg taagagaag gcaagtgaga tgatgagcca tggaattcca actgctatgt 251640

cagtcacag gctagaaaaa tgggaggctg tgcattaatt tcaagagagc ctgggagaac 251700

tgtctcagga taaatcagcc agagtgactg gaacattgta ccattttcaa ctggcaaatt 251760

tattaatgaa gtaagagtac agtctcaagc caactcctct tgcccctgta acaaactccc 251820

cctgtgagag aggatgaagg ggatgtgttt gttagaatac ttagaggcca tgagtaacac 251880

aaagcctaac caacagtgt taaattttg tggactttta ctatttcatt aagtgaaaag 251940

tttgagata ggtaattcca aggttagtag agtggctcat tcatgtcatc agggactaag 252000

acatttccat ctttctactc tgcctttttt atgtttttgt tttgttttt ttaagagatg 252060

agagtctcac catgttatc aggctggagt ggctattcac aagcaggatt atagcacact 252120

acagccaaga actcttgggc taaagcagtc ctcccacctc agcctccaa gtagctggga 252180

ctacaggat gcaccacacc cagcccactc tgccatttgt aatatgtcat cagtggctcc 252240

ctttatggcc acaagatcag tattagcata gtagttccac acattgcctc cttaggtagc 252300

ctgggttatt tcttctctc agagtgtat tggccagggt acttgtggtt ttcaaatata 252360

aatgggctgg tgtaaagggt ctgagatggt attattcata tgactggaaa cttcaagggg 252420

tatcttgaag gcagggactg gcaactgaag tgtctgcatg actcttcagc atggtggtct 252480

caggagtgca gactttctac atgatggcctt ggggtcctca aaggcagtat tacaaaaggc 252540  
 agaaagtgga agctgccagt gtcttaaggc cggggcccag aaactggcca aagcagtcac 252600  
 aaagccccc acattcaagg ggagataaca tagaccccca tctcctaata ggaggagtgt 252660  
 ccaagaatct agttatcttt gggtcacatg taggttataa gttaagctgt tgtaataaag 252720  
 agacaaaaa tatgccgact taagatagaa gtatatttcc ccttgtaacat cacagtttag 252780  
 aggtgagcaa cacaggtcgg tgggtctatct ctgccagaaa gttcccatat ctggatccag 252840  
 catgctttgt ctactacttc ttctcaagtg gtgggaaagg gaaaatgaga attgcagaca 252900

aacagcttcc ttgtaaaaga taatccaaaa ttctacaca tcccttctgt ttgcatcaca 252960  
 ttggctaaat gttagtacac tggccacacc gtctgtgaag ttattgcca atagaacgta 253020  
 gggaaaatgg gtattgagga caattgttca tcaaggtggg taagaatatc aaatgtatag 253080  
 ttggaagtgt tggagaaaa tggaaattca ctggatctt tttctctct taatatcttt 253140  
 ggaaagatgc acatacagga agcctctgaa ccccatgcta caaaagaaat aggtagtgtt 253200  
 ggaggagatt caactctaga caatgaagt ggcatctgtg gtggtttatg aatcaaccct 253260  
 gtacctgcaa agggttttca catctggggc tgggtggtaa atcatagggt gctctgaaca 253320

gatctttaag tattgggcta ttcacaaaac agaagcaaac aatgtgcaga tgcctcccc 253380  
 catgaggagt agctgcctat ttgaatctct cactggatgg taatggaaat gatcagttgg 253440  
 gttcacttgg tagggctact cttagaaata gctaagagg tttcttattg tcttagtctg 253500  
 tttttgttt ctataacaga ataccacagt tagcttcata gttctggagg ctgggaatac 253560  
 caagagcatg gtgccagtat ctgaggaagg tcatcccatg gcagaaggca gaaggcagaa 253620  
 gtgattgatt acatgaaaca tagaggcacc aggggctgaa cttactctac aacaaccac 253680  
 tcttcaata actagccac tctacaata acaacattaa tccattcaca acccaaatta 253740

cctgttattg gacccacct cccaacaagg ttgcattgga aattaagttt ccaacacatg 253800  
 aattttgggg gaacacattc aaaccataac atttactctg aacttcaca agaccacaaa 253860  
 agaattagtt gataaagaat gagctaaata gttgactaaa tggtttagca atcataaata 253920  
 taaagcagca taactattgt gttaaaagca ttactatgag gcagatatag caacagcatc 253980  
 agcctgatct aaccaacaa tgccatctca gtaggatact ggtgaagcca ttccttagga 254040  
 gaaggtggcg tgcgtcatag gtgtttgctg gactttcttc tgccttatc ctggttcaga 254100  
 gaaactcagt gatccatttt tcatccact ccaaagcaga tcagatgggt gtcttgcttg 254160

tatcagagct aatgcttccg tggggagagc tctctgttcc tgcctgcaag tgctcacagt 254220  
 tgggtgttt cagccagcac caacatttgt ttcttagatc taaaagtagc cctattcctg 254280  
 tctgctttat atattggagt tctgagtata cttttgttta aaaaatgtg ttctattacg 254340

taaagaaaaa aaaagattga tagctattag cttaggaggc ttctagaact cagtgcacag 254400  
 ccagctcttg ctctctcata tatttttaca aatatcttca agaaacaaat ggcctttcca 254460  
 ctggctcttg agggataatt ttaataatat atttgcagaa atatttgaaa tggaataagg 254520  
 gtattatgac tgiagacttc acttatttat tgttgaatct tgiagcttct gtattaaaaa 254580  
  
 gaaagaaaaa acacttttat tgaagacagt atgtcagaaa aaacatggat tttttttttt 254640  
 tactcaaaaa gacttgtgtt taaatataat ttgtgccact tattagctct gtgatcttag 254700  
 gcaaaatatt gagatctctg agtctccatt ttttcatgta taaaataaaa ataataacaa 254760  
 ttctgtaat atactgctat tataaggata gttagctaatt ttatgtgaag tgccaagcac 254820  
 agtgcctaat agtatttgta actactatit attgaaccct tactatgtgg cagacactgt 254880  
 ctaggtcaat ggttctccct tggggacttg ttagaactgc aaattcttta tcaggcccca 254940  
 gcctacacct actgaatcag aaacctggg ggtagggtc agcgtctgt tttataagcc 255000  
  
 ctctgggtga ttctgatata cactaaagt ttgcaaaccac tgttctgagt gtccaagaaa 255060  
 ttgaatgtat gattatcata ttcatattac actacagcta ataatttgtg ctgaaacaaa 255120  
 tatagatatg tctcttctta ttttgtttga tgacagccct agatttttcc caccttagtc 255180  
 atatctgtga ccattcctta caaggagata ggcgacctgg aaaacccaaa tatcatacct 255240  
 ctttctccct cccgagtct ctcttctcc cctagcgggt ctgcatectg tctgtgtcaa 255300  
 gcagtttatg aaatacctgg tgagaactca gccactccag aaagaatgaa tagctcctcc 255360  
 tgaatgcagc tccagacct ggagtcagta tctccctgac ttgccattat gtgttcccat 255420  
  
 tgggtccccc gataaaatat gatctccctg agggcaggaa caacatccta atgatttctg 255480  
 tgtccccagc acccagtaaa cttaatagac acctaatata tgagtgggtga atgaatgaag 255540  
 tgtcagcccc aaatcagagg gacatttgtt cctggagcat tcaggtgtta ggcataacct 255600  
 agcagccagt atatttctag tcatgggtgac aagtaggcaa cgggattgcc tagagaccca 255660  
 tgaaatgtta tctgagccat gtcttcattc atccatagga tcagttctgt gccacaagga 255720  
 aagctgtgtg acagtctcat ggcagatcag acccacatta ggaacagcct agaaaagcaa 255780  
 actgcaaata tccatttctt ttctctgtca taatttgtt tcccagttgc tggcgaggtt 255840  
  
 gaaattagct ctgtctgttg acaatttga tacaataacc tttctgttcc gtgaattctg 255900  
 aacagtgaag gactgaattc tgctctgggc tgcagaaaaa taacaaagca ctcagtagga 255960  
 tagatgggaa tggagcacgg acttagctga ggaagaattt ggccctgctc tggagctctc 256020  
 tttgaattta ttattcctgc cttccatgtc ttttcatgct aggtgggtgt agaaagccat 256080  
 cctgtcacc actttgtccc ccacccactg ccacctatgc tgtcagccat tcattcaacc 256140  
 cacttagaag aaccagaatg aatatagatt tcttctttca cacattaatt tatggagcct 256200

tcctatttct tctcattgca atgttcctac ctgctgcagt cacattcaat ttatttgaaa 256260

agcagcaggg aattcatcct ttgctggaaa actttgacaa ttaaattcaa actataagga 256320

aaaagtattc ctagtttcag tctctcttta aatcaaagt tagacagtat gtagtgggtt 256380

atggtgaaag gccccataa tgaggagagc aggtaccctc taagagtga ggggaaaaat 256440

cgatgcagat gatattagtt aaaccacata cagaagtac cctgagatct ggattttaag 256500

tggatgatgg ccaaattcca atcacaactg gtatgaatcc tctaaagttg aatgtttgtc 256560

ataaaactgc cacctatttg ggtcatattg tagcctgctt gaagaaagat ctaactagga 256620

gagggtggtc tgcatgacct ctagaaagac aggagtttgt cggggtcttc tgtgcagtcc 256680

aagaagatag catgaccaga tgacatgatg tgtttatctg caagccagat ctattcccat 256740

aatgggaggt aaatgcattt gacttagata gctccatgat gtccataaaa accattcagc 256800

taaatacctt tgcctcaact ctgtgcttcc caggcaatat tccattaaga ttatggctta 256860

tcatgaagac tticctccaa cccaggcaac atggtgaaac cccatctcta caaaaagtac 256920

aaaaattagc tgggcgtgat ggtgtgcatc tgaagtccca gctactcagg aggctgaggt 256980

gggaggattg cttgagccca agaggtggag gttgcggtga gccgagattg taccactgca 257040

ctccagcctg ggcaacagag tgagcacttg gatcaaaaaa aaaaaaaaaa aaaactttcc 257100

tacatatgga ggcgtgtgtg ccccagccc ataagtttac ataaagtcca ctggcattc 257160

ctgtttctca ctgttgggca tgtcttctac atcttgaaag ttgggtagt gtgagccagt 257220

tcctctggtt gaaccttct gcacatacca tcaaattcaa gatctggacc aggaaataat 257280

aggaccacac tccggacatg gttcagtaaa catcctaggt aacaaaactc ttgaattcaa 257340

ctgtgagaag gtgatttttc ttccctatct ctgtcttcag aagaccagcg ttaaagtga 257400

ctgataatca cagccttttt taaaaaatt ctactaagg tgacattgtt aggctgtttt 257460

gggcaatcct ttgaagtggg ttttctctcc aaattttcta atttttgttc attatatatt 257520

tgaaaagaaa ttcaaatgc ctgataatag aaaatgaaa catgacaagc tataaactct 257580

gaccttaaaa gcatctctaa tatagcatca taaaatataa ttagaatcc atttcaacat 257640

cacattacag atctatgact tacaggtaat ttctgtcatt taaatatgag ggtgagctga 257700

tggctgaatt ggattcttag gagaaaaaca atttcttctg cattaggagt tattagtta 257760

attgaataat atctggatca tactgttgtt aatgttaatg ttattacca ttatcttggt 257820

gatgtgcaca ccaactgttc caggaaaaat atagccatt aactgaacag aaggattaaa 257880

ataggaacaa agtggcaagc ttttcatggc ttattatgcc agggtcagga caaaggaatg 257940

gccctgacct tgaatggga cagaggaccc agcctgagct aaatgcctca aagaattcca 258000  
 agggaagtcc tttcaggcat gacagagtgc atttggtttc ctcagcatgt cgttctgaac 258060  
 atttctactc attaatattat tcatattatc acttactcgt tcattcatc aaccagccca 258120  
 ttcatttatt caaccaacat attttgtgca tcttcctgaa accatgaatg gtgatagatc 258180  
 atggagagac aaagatgact tagtcaagga gagagggtca aggcttattg agaacctgct 258240  
 gtatctcaga cattataatg ggagatttca gacaatatct gttttattct tctcgagaat 258300  
 tcagaaggta ggiagagttg ttatacccat ttatacatg aagaaactga ggttcagaca 258360  
  
 ggtaaaatga cttgtccaag gcctagaaag ggaaggagtc agaactcaa cctaggcctg 258420  
 tcttaattca aggcctaggc tatttctact acacctggaa tttggactta gaacataaac 258480  
 acatttttaa aacattataa tacagtgtga tgaatgggat acacagtcac ataaagcaag 258540  
 acagctgcc aagcgaaagc cagatttcca ctctaagtga ctcacccgac gtttttaggt 258600  
 aataggaaat gtctagggtg ccctaataatg tcttccaaat ctcttcttca tctcagccc 258660  
 cacaccagc tctccctcca tctcttctt atcaatgggg ggttctctgc tcccccatc 258720  
 ttcacaagcg aagggcattt gtcttctcac accccacatg atgcagggca agaggaaagg 258780  
  
 tcaggctcca cctattctc atcacctcct cacctctcat tagaaccgtg atcctgtgag 258840  
 cctctaattg cccagccatt aactagcatc tgcctcctg gtctctgcta cctaccagcc 258900  
 ttctggtcac tccagccct cagtgaagat gttggccctg ggatcactgt cttatccaac 258960  
 ccaagtagct ctctctggga ctaggaccac ttccagctgc tgtgaatact ggagtcacgt 259020  
 tggcaccatg agatatttta tcatcctatg aactcatttg ggaactcaat gacagtgat 259080  
 acaatggcct aagcccatth caaagagtat ttctgacaaa gctttgtgta agtacaaaaa 259140  
 aaattttcag accatgcttt tccattat aacatttcat aatctcttcc ttgtttgtc 259200  
  
 cctgcacctc tacctccatt aaccaggtct catcaagttg tgacataagc caggtttcat 259260  
 caagttgtga caggtgacag aggcgtcaca tgacaggga cctgattagg aaatccatat 259320  
 cctcatagga tgcattttaa catcttcttg agctgtcttg atattttgag acatacgga 259380  
 aagattccat atactgttcc agtgaccagt gaccttgaga acatatttaa aactatagat 259440  
 ttctgtgccc caccagaga tccaattca gtagcgctga ggtgggatct gaacatgagt 259500  
 agacttagaa agcctctagc tgattctgaa gcacagctag tttggggagc actgacatat 259560  
 agccactgcc catgaacctg gatgttctta aatcttgata ccaattgagt gacttgaatc 259620  
  
 ctccctcacc tgtatgtata ccatcatcag gtcggaaaaa tacctccagc ttccagctta 259680  
 aggttgccct ctctttccc accaccagta acatgctagt aaacatttaa caataggctc 259740  
 tcagaaagaa aaaaaattaa gccctgattt ataatgtttg ccagtttcca tgggtgtaaat 259800

actctcacca gggccaattt ccagctacca atgtgatgcc actgaacgta gaggtgggaa 259860  
aagatgcatg taattaacat tccttagaca gaagtcagct ccagcacatc actgtccac 259920  
ccatccttta ctgattccca aagatcaaac aaactacacc caagaaacag aggggtctct 259980  
ctcagatcct acagcacagc cagagcctct cagaagtaag gttgtctcca ttttttaaa 260040

agctctggca tattaaaaag tggaaaagtg ggccgagcat ggtggctcat gcctataatc 260100  
ccagcacttt gggaggtgga ggccgggtgga tcacttgagg ttaggagttc gagaccagcc 260160  
tgcccaacat ggigaaaccc cttctctact aaaaatacaa aaattagcca gtgtgggtggc 260220  
acatgcctgt gatccagct acttaggagg ctgaagtagg agaattgctt aaaccagaa 260280  
ggcggagggt gcagtgagcc aagattacac cactgcactc cagcctgggc gatagagtaa 260340  
gaccctgtct cataaataaa taaatagtgg aaaaagtgt actgcaagat tggcaaaatt 260400  
ggggtaacgc tttaacacca aaatacgtg caataaaatt gtattaatct caagattatt 260460

tataagaatt ataaaaatat tcatttatac ttcaccataa atgggggtcaa ttggtagcag 260520  
gacatgtgga aagccgtaag atgaatgtca ttcggttctg tcggtgtatc tctgtgactc 260580  
tggagaaaat gccagactct ttatctgagg cttttgtgag tgtgaaaact ggggcatacc 260640  
ccctcaccac tccgaatcct gtctccacc tttacctcc caccctcacg cctccctt 260700  
caatccatga gagaccctgg acatagtttt ctccctccta ccttctgttc tttgcctctc 260760  
aagaatttcc aaagctaggt gccctgccac tgggtcttat ctgggtcaca aaatagccaa 260820  
gtgacaagaa ttaaatgtaa caagaaaaca ctgggggggtc caggctccct ctgcaccact 260880

gaggacctgc agttagtac tgatgacggg ctcttttate tggtccagt ctggcaagag 260940  
atctggtgga gaattcttct tggtttcat tttcttatt tctctgagcc atttctggca 261000  
ggaatgttat aagcaaatca aattttgatc agttgaagac tatttgaaga ctctaggagc 261060  
tgctgtgat tcattcattt attaaacaaa catttattta atacctcct tgtgccaat 261120  
cctgtactag acagtgggga agagggatag agagaggaga tgaagagcac acagttcctc 261180  
cccttgaagc acggagagtg gaggaatgg atacatgata tgtaaggggg taacagcagt 261240  
ccctgaggca gatcccatga cagggtgcaa cgtagggtac cttggaagca cagaggaagg 261300

giggctaagc taaaccaagc ggtcaggaaa gccttgaact gcatttctca ggacaagtag 261360  
gcattaccta ggtgagaaaagg ggttaaaagg attaaaagg agatggtagt ttatgcaaag 261420  
aagcttaaaa aaaacaaaag ctatgtggtt cgggaaactg caagtagaat atctttgata 261480  
tgaggagacc tgggttcaga ggctggttcc tttgcttatt agctgcatga atgggactga 261540  
attagcttc tctaagctgc agtttctca gcaggaaacc ccacttaaa ggactgttag 261600  
tatgcagatg agataatgca tgtagcactc tcatatctag catagaggcc ataccagta 261660

cttgacagct tggatgatgag gatgaagatg aggatgggtgg tggctggcat aaaggataca 261720

cataagggtg aaagactgag ggagatatga ggccggagaa gtaggtgggg ccaaagggtg 261780

agcccttggg ctccatgctg aacaaaattg ggctttaccc ctaaagccaa aggaagaatt 261840

tcaagagtgg agtagcctga tcaagtgtct gttttagaaa gttctgtctg atggactggg 261900

tgcaggaggt aaaacgggag gcaggaactg attttgagg ctcttgact aatgtaaaga 261960

cagtgaaggc aatagacatg gcacggatgg agtgacggaa gcctctccag ggtgtggctg 262020

agggcgccat tcctttatga tttctcaggc tatggatgtg aattttccta agccaggtct 262080

gctcactcac agcagggccc agctgcatgg aggaatatag aatccagggt attatcatta 262140

gaattaagct gcttcgttga gtccataaat gtcacactcg ggcataccag catgtctttt 262200

tttctggctt acaatgtaaa aagtaacaat ggttatctgt gggtagtggg attatgaatt 262260

gtttttatat tattcctttt gcctgtgtct attttctaag tgttctacaa agaacatatt 262320

ttgtatcagg aaaaatttat tataaaaatg tttttttaa aaaacaaaac tatacatagt 262380

ttcgatccaa acagcatcct ctctccttac tgcttgagta aggaaatgct tgattgaatt 262440

agaaatggga ggggaggttg ttgataggat ccaacttcaa acttctaagc tatttatatt 262500

cttccttttg ctttggagat tgtgtgtgtc caatgaagat agactgaaga cgtgaatagt 262560

cttgagtttg aaaaataatc gtctgtttta ttgttacagc ttcaggcatg gattatttcc 262620

atcatttata tttcaggaaa cctcaagtac agcaaaattg cccaatagtt agagaagatc 262680

ggattattga tactctcttt taaagaaaa taaaatatct tatcagagag aagtccaagt 262740

gacaataata tcaccatacg tctacagggt tgcaaaagta aggagttaa aggaagctct 262800

ggtttaagta cgigatgttt aagagaactg cagacagggg tctaacagct gagatttttc 262860

agcccatgt tctaaagcac tttctgtctg ggcctaaatc aaatgtttgt ctatataatg 262920

tcttagacat tgtatgcac atcgggccat ctctctaaaa ggtggcattt tgattacaat 262980

cttcaatttg gatttttaa aatttgtaat accagtaatg ataaatagt cacatagttg 263040

tatggttcat aaagtgttct aacatttaat ctttacaact ctaagtgttt gaggttcatt 263100

tagtccattt tagagatgaa gaaggtaagg ctcatagaag ctactgact ggcctgagat 263160

cacacagcta ggaagtagag agagaggatt cagatcaagc tcttcggact tgaataggaa 263220

tgccctttac actgtcctct tctaatgaca ggttttagtt acagatgcct ctttaccac 263280

catggggtta ctccccagt aaccactgg aagctgaaaa taccctaagt ggaaaactga 263340

cattttttaa aacataatgg gatgtgaaaa cacaaaatac aatatccaa aaatgctggc 263400

aacacagtac acgttacagt atcggttgtt tacccttgtg atcgagtggg tgactgggag 263460  
 ctgtggttca ctgttgctgt ccagaccac aagagtatca taccacaaat tgctagcctc 263520  
 agaaaaggtc aaaattcgac gtacaatttt tactgaatgc atatagcttt cacatcatca 263580  
 taaagtcaaa aaattgttaa gccaaactat cttaaagtcag ggactgtctg ccttttattt 263640  
 tcattagact cactaatcaa aaaggcaagc agggcccata ggaattatat ccattcctgt 263700  
 tgctgttgta acaaattacc cacaatctg gtgccttggg gtaacacaaa ttggttctct 263760  
 tacagttctg gaggttagaa gtccaaaatg agtcttacag ggctgaagtc aagatacaag 263820  
  
 cagcgtggg tcttcggga ggctccattg cacagtcagt ggctgccagt cttccttggc 263880  
 ttgtggccac atcattccaa tctctgcttc cattatcaca gtaccttccc ctctccttta 263940  
 gtcaaatctc cctgtgcctc tgtcttgtaa agacacttat atttagggcc taccctgata 264000  
 atccaggaca atctcccat ctcaagatca ttaacaatat ctgcaaggcc tttgtggaca 264060  
 tataatgaag cattcacagg atccagggat caggatgtag atattttggg gggccgttac 264120  
 tcagcttacc atggcaatat tcgtttcatt catttattta gttattattt agttattttt 264180  
 gtagagacgc agtgtcacta tgttgcccag gctggtctca atctcctggc ctcaagtgat 264240  
  
 ccatctactc agcctcccaa atagcaggga cttcaggcac aagccactac acccagcttt 264300  
 atttcattta ttaagtggc cctaaatgta agattccctg aatttaaatt taggccatag 264360  
 ctcttcacag ttttctattt taacctttca cttttgtgtg ccttgaggcc ttagtatittg 264420  
 tttgcttgct tgctggctgg cttttaagca aatttaactc tgactttcta ttgaaaataa 264480  
 ctacccaaa acccctcctc ctgctctctg tcagggatgg atgcagacca ctgacttttt 264540  
 ccaggccagg cttggaaagg gcttacagag aggtgcattc tttattgttc ggctctcct 264600  
 aactactgcc atttattgag cacttaatat gtgtcagaaa ctttgaaatc attctacatt 264660  
  
 tatttacagc tcatttgtac cttggaacag gctgtgaagg tagattatta tccccatttt 264720  
 accaatgaga aaatcaaggc tcaaagagtt aagtaacatt ccagggtta cacagttaag 264780  
 ccacagacc tccaaaacc agcctcttaa taccatgctt ttgcaaaatt aaataattcc 264840  
 caaacctgcg taatgtatag atctctttta aagggaat acaagctcac aaacaccaa 264900  
 ggttgagtta taaggatttt cattatcata ttatttaa atgtgcaaag ataaccagat 264960  
 atgaactcct tatgcttata gctctcttaa gatgataaaa acaaaatagt gatactaata 265020  
 ataacacaaa taaaactgca aacactttta atgctaatta agaacattgc tttaatgtga 265080  
  
 tgggtgatgc tgttttgtg aaattaaatg actgctcaca atctcgatgc aatgctgacc 265140  
 ctcgtagcct gggtccttc gagtttggta tgcatacacc agggcccttt gggctaactc 265200  
 agttctccca ctgttcttc aaccactgac aacacattgt tcaggcagca gcacagtat 265260

cctttgggct ttacctagtc aaaatgtctt tgatttgtta actctgcttt ccttttagaa 265320  
 cccactctct ttagcagctg ggttctctgg gaaggagacc tgcatcaaga ttagagtga 265380  
 ggaagttacc aaagaatgtt cttgggaacc acagctgtgg gaggcagggg aaggaagcag 265440  
 gatgtgcaga gggagaagtt gagctgtgtc gcaggcccaa caaagacctc taccaaccaa 265500  
  
 ctcaactgggc tgggtggctc ttcagagttg tcctgccttg gggacaagag cactgacctt 265560  
 tgtgcccctg gaggatcact ggatgagggt caccctggaa ggaagtttga cctcacatta 265620  
 ggctgtgtta tctagccaat gccaaagaac tgacagctaa gagcaacctt ttaccatcat 265680  
 ccctgcagct gggaagtaag tccttcactc ctgaagagag atctggacag agcgtcacat 265740  
 tgtcttccac actaacgcac aataaagttg tatagggcaa ccgtgagatg tgaaaacaaa 265800  
 tgcatcccag ccaactgaact gcctggatgat gcttgactag atctttgaga tgatccttaa 265860  
 tatgtacaca atctattatt ttattctcac aaaaatataa atataaatgt ttaaattccc 265920  
  
 acagagaact aagaagactc taacaacata ttacaggcc cctagaggtc ttcagaacct 265980  
 actccaagaa agaggaaggt taggaagctt ccacccagtc tacctctgct gggaattgct 266040  
 gcataacct gtgatatctc cgtggtgtga caatcacaaa gttttacgaa tacttctttg 266100  
 ggtggcagta atcatgatgg acagatcctc tcacaattca catglaatat ttgggaataa 266160  
 aaacttgatt gaacattcat tcaacatatt tgatcaggca catactatga cgtgggtact 266220  
 ttgctagaca cctgggtggg aagatacctt tatacagtg aacaaataat catggacaaa 266280  
 gaggatctga gagtcttggg tcatcagtaa gccttttcag aagaggagtg gcttgagggg 266340  
  
 acaagggcag gagcattcca gacagaagga tccaatgcaa aagcatgagc ctttggtgcg 266400  
 tgggcatgac aggtgatgta ggagatttgg tcaaaagggtg ggtcaggcag tagtgagagg 266460  
 tcgcactgac agaagcggag tggagagcct gccagtatga ttaagtcac agaggcaccc 266520  
 ccttcattac tattcacctg gccctgactg ataccgtctc atttaacctc catgcactgt 266580  
 gattaaccca gtaggaaca agctccacaa gggcagtcgt tctggtctac tgccctgtga 266640  
 cgggagccca gcacagtgtc cgaccagaa aggagctcat taacatgtgt ttacagaca 266700  
 aagagtcagg ttcagagagg acagcacttt ccccaaactt gcgcagcata taagtacca 266760  
  
 agccaagagc tgaaccctcg gtctgcctat tccaccatac cgctcttcaa ttcctgctcc 266820  
 gtgagccacg aaaataacta aaagagcgtt ttcacagtca gagaaacttc tgttaccatg 266880  
 ggaaacctgg aagagaggcc agcctgtgtg tgtgtgtctg tctgtctgtc tgtgtgtccg 266940  
 tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgttct caaatccta gaacggacac 267000  
 cctttagtgt ctgccacaa acaaaatttc tctgtctc tcaccaagtct ctcccaaac 267060  
 ctcaaatatg tggggtactc gagaatgaaa agggttaacc tttcacagct taggagagct 267120

gttactttgc atttaaataag ccgcatttaa gaaagcagca ttcccaggat cttattttga 267180

tactaatgtg ctgaacacct taaagcacac ttacttctcc ccatttcggg tcacttggag 267240

cttcattact taataatttg aaagcttttt atggaaatca gttgataaag ggagatgatg 267300

aagtgaatg ttattacatt taaagaccca gcaaactagg ctgccagaat aacacctgcg 267360

tcagacattt ctaagtaaag aaagagaagg agaaggagat attggtgtgt ggatgaattc 267420

tcatttcttt tgaactgcc gttactttta agatactcct tgcctaaca agcctaacac 267480

tctttaaaat tgtaagtgga agaactcatc agctatctta tgaattctac ccctgccatg 267540

gcgctctgtc cccctgccca ctttcccagc cgtgccttg gcttcaagcc cattgggtct 267600

agaggtcgc cctactctcc tccacaggca gggtcagcct cacacagtgc ccacctcaaa 267660

agccttcattg actaaccagt tgagaaaacc ctgggaaca ggcttggatg cgaccttttc 267720

tttttacttt ccattttctt ttctctctct ctttcttcc ttcttctctt ctttcatttt 267780

ttcgtggtgg tggtagaca gggctcact ctgtcaccca gactagggtg cagtggcaca 267840

atcacagctc actgcagcct tgacttctg agctcaagcg atcctccac ctcagcctcc 267900

tgagtagctg agtagctggg actacaggca tgtgccacca caccagcta atttattttt 267960

tatgttttat ttgtattatt ttagagatg aagtctcact ctgttgccca ggctggtctc 268020

gaattcttgg attcaagcag tcttcttgcc ttagccttcc aaagtgtgg gattacaggc 268080

atgagccact gtgcccagcc gccacttttt ttcttttttt tctttttttt tttttatttg 268140

agatggagtc tactctgtc acccaggctt gagagcagtg gcatgatcac agctcactgc 268200

aaccttcacc tcccaggctc aagcaattct cctgcctcag cctccggagt agctgggact 268260

acaggcgcat gccaccagc ctggctaatt ttttgattt ttagtagaga cagggtttta 268320

ccgtgttagc caggatggc tcgatctcct gaccgcgtga tccacctgcc ttggcctccc 268380

aaagtgtgg gattacaggt gtaagccacc acacctggcc ccagcctcca tttttttaat 268440

ggcaatatat tcacatggtt tgaaaatcaa aagatatata ataaggttac acagtgacaa 268500

tcctcagcct tttgcttgc cctgggttac ctagtccct tctcctgagg caactgattt 268560

ttgtaatgtt cttatatatc cttccagaga tactttatgc aactagaaat atatacacac 268620

acaattttct ttatccttac caccctctc caciaaggta aatagattac acaaatagat 268680

tactatacaa actgtactgt agtttgcttt taacatttaa tatactttac agatactctt 268740

acttgtaga tgactttttt aatggtgaat ccaaagacta tacagcaatg tctaaaaaaa 268800

aaagattcaa aagtatatat gtgtgtgtgt gtgtgagttt tgtgcataag ttatgatgtc 268860

aactatgaca aacaaatgaa tattgcaatt gatgaaagct gctgggtaag gatggtggga 268920  
 ttatagggtc attctttttg tttctctctc ctctacgcc gtgtgtgtgt gtgtgtgttt 268980  
 gtctctgtgt gtgtggccaa aacatggtta tgtttttaa ttctaaagac cttatttcag 269040  
 tatgtgaggt atattttcat ttggttagag ttttttctg gccctttcat atgcatcagc 269100  
 atctgtttct taaaatactt gagtcacttt attggtgaag gcttcctcca ccactctaaa 269160  
 attgcagcat aactctctca ccccatctg gccctccccc tcacccttcc cggctatatt 269220  
 ttccccggag agctaatacag cactggacac actgtgtagc tgttatgtct gcctcctcct 269280

ccggaatgta agctccttga ggacaaggat ggggtgtgtct tctgttcagg gctcattctc 269340  
 cagcacgtgg aataggcctg gcacagacta ggggctccat ctatcattgc tggatgaatg 269400  
 agtctcacc atcagcccca gcaacccaac ccacatgctc tctggctcat gcctgtaacc 269460  
 actaaccaga gcacctgcag ataaccagta accagagcat ctgcagctct gtcctctgct 269520  
 tcccttttcc ctccccactc tggcaactct ggaagaccac tctccttcc caggtctgga 269580  
 tctcacctta gggatccatt cctgcaagtg caccctcct ctctcctgca atatgagctt 269640  
 atcttctata ttggattata cacttggaca taaaacttg cctcatatc acacatcttt 269700

caaaaaataa tcacatgtcc ttctgtctac tgccattttt ctcaactcca cagccgactt 269760  
 ctcaaaaagc gctgtctggg cttgtctggt ccgctaattc acctctgtct ttctgaacc 269820  
 tgcttccatt gtattttcag tagtggccag tggggcagcg gcggcagcag tgagcacatg 269880  
 gcaggggggg cagtagggca gcagtaaca gaggccgag aggtagtggg gtaagcacag 269940  
 ggtttctgaa gaggccctgg gcaggtctg gtgtcctcct atctctctgg ccattatacc 270000  
 ttagtctgct ttgtctccc ccactctctc ctctgcctcc attcactccc caggtaatct 270060  
 atcctgtggt tttaactacc agtctctatg ctgatgactt ggagtttacg tctccagcct 270120

ggacttctcc gttgagctcc ggctcatat atctacctic ctacatgaca cctccttttg 270180  
 gagtcatcct tgaccctct ttgttttata cctcacatcc aatccatcag cagataacgc 270240  
 tgagccgacc tgtaaaatat atctgcatcc catgccttga accccttcca ttgtcttcc 270300  
 ctggccctat gtcgceagac acagcaatgg cctcctgcct ggggtccttg ctccccagct 270360  
 tgccccactc cagttacttt ccctgagcag ccagcaggat cctttaaaaa tatgaatcag 270420  
 gtcataccac tcttctgctc acaaaccct cagccatgtt ccagtccat cacactctga 270480  
 acaacagccc ctaaaccctc tgggagggca gccaaggcca gagacttct ctagcttatt 270540

attaactaat tgitttaatta actaattcat ttttatccc ttaaatactc cctgcatacc 270600  
 tctcacaagc caggctggtg ctgaggatat agaagggatg caatgcggcc cctgctctaa 270660  
 tgctggcttc tgggacggga cctgccttgg gatggcagtg gggatgggaa tcatggttga 270720

ggagtgtcca acactgtttc tttttctttt tttttttttt tttttttgag atggagtctt 270780  
 gccctcgtcg cccagtctgg agtgcaatgg tacaatctca gctcactgcg acctctgcct 270840  
 cctgagttca agcaattccc ctgcctcagc ctcccaagta gctgggatta caggtgcccc 270900  
 ccacatgcc cagctaattt ttgtactttt agagatgggg tttcacatg ttggccaggc 270960  
  
 tggctcctaaa ctctgacct caggtgatcc atcaaccttg gcctcccaaa gtgctgggat 271020  
 tacagtgtga gccaaagcac ccgaccccca gtgctgtttc ttgaagacta caggatgtgt 271080  
 tcccatgggg tagggttagg ggtgctgaaa ggggcactac ctttacaggt tgaggcacct 271140  
 ccagtcagat ctggcctgga tcatgggctg ggcttctca cagcccttct tgtttgaagg 271200  
 cagacagccc ttgcttgatg ttctctcttg tttggatttg gcatcaccta cgtgatgttc 271260  
 gaataccttc tgctgtggcc cctttttccc ttctttgctc tggccttggc actaaggttt 271320  
 ttctgactgc tgaaggctcag gtagaagatg gggaggcgga ccacggaaga gcaggtcctg 271380  
  
 ggggctggtg ggatgggagg caggcatgcc ccatcagcct cttctgctcc tttgctcact 271440  
 gattttactc aggggagcag cagacttgtg tgagcactaa aaagaacata ataaaaatgc 271500  
 agaaaatgag gttaaatcca ggatgggtact tcagttacca aaggacaagc taagtaaagt 271560  
 ccgatggcca gtgccagcac acagaaggct atagggtgat gtgagtcctc agagctccca 271620  
 cccaccggag gcagcccttg ggcggagggg cagtggggca ggcccgaac agctctgatg 271680  
 gtcccttctc ctctggcttc agaaatgcca agctgcttcc aaaaaacat ctcaggggaa 271740  
 aatcattatc tacggacatt atgcaatttt cccatcgaaa ttacaagctg tgtttgaaaa 271800  
  
 gaaataaaaa gaaattgaat ttgaaatgt tctgtgcaaa cgcatcatct tctagtggat 271860  
 ctgctaattg gcttcagata ctttctcttg ctctaaaata gttgatcaga cagcagcttg 271920  
 tgatggtggc tgcttccggg ggaacggggc atagaatgag cacttatgaa cggccagcca 271980  
 gccacactga gccaggttca gaacctgtga gctctgacca cggttcccaa agtggtcact 272040  
 glatgctgtc cttccctc ctctacctgg cagtgtggc acggctctat gctgggactc 272100  
 tctactctcc tccagcct ccagctgaca cccaggtcga tgagtgtcac ttcacactgc 272160  
 gctggctcca tctaggtcc agggagtgc cagggactgg gcctcggagg acaccagccc 272220  
  
 ctctctcacc acagcctctc attcacccaa caagtattag ttaagcgtgt tcccaacaca 272280  
 gatctaaaca ctgatgtac agcagtgagc aaaacagaca aacacctcg cctcttggga 272340  
 gcttccattc tagcaggggg agatagacaa taaaaagtaa ataaggcagg acatggtggc 272400  
 tcacgcctgt aatcccaaca ctttgggagg ctgaggcaag cagatggctt gagcccagga 272460  
 gtgtgaggcc agcctgagca acaagcaag acccatctc tacaactaat tttaaaacta 272520  
 actgggcatg gtggtaggca cctgtagtcc cagctatttg gtatgctgag ggtagaagga 272580

tggcttgagc ccaggaggtc attctacagt gagccatgat tatgcccctg tactccagcc 272640  
  
 taggcaacag agaaagaccc tgcctcaaaa aaaaaaaaaa aaaaaaaaaa aaaaagtaag 272700  
 caaatgcac agtcaactgg acaatggcaa atgttatgaa gaaaagatag tgggataaag 272760  
 gaatagggat gctgagtcaa aaagggggca gggacctgcc atggacatca aagtcctcac 272820  
 tgagaagttg acatttgagc aaagacctgg aggaacaaaa ggagagagtg ctctgtgtatc 272880  
 tgggagaaca gcattccagg cacagggaac agcaagtga aggtgtgcct ggcatgttta 272940  
 aagatacata agaagtccag gatgccgaaa ccaggttgt ggaagagtag taagagatga 273000  
 ggctcaggag gacaggcaga ccatggaggg tgtgggggac cagagcaagg tcctgtctgc 273060  
  
 tgtgagatgc aaagccactg gaggattttg gccagaggaa tggcatgata tgactgctgc 273120  
 acgaacaaga gtctggagga agggagggga ggtagagaga cctgctagga agcaactgca 273180  
 ctcatctagc tgagcgatga tggtaggttg gatcaggatg gaggcaggca ggagacggaa 273240  
 agtgggttga tcatgaagat attttgaag tggagttagc aggggtgtgc gatggatcag 273300  
 ttgcagggtg ggagagaaag aggcattccag ggtggatgga actgaaagta cggcattgcc 273360  
 atgtaatggg atgggaagaa tgaaggagc tgggcttagg gaggggaaga tcaggagttt 273420  
 ggtttcaggc acgttgttga gtttgagatg ccacttagat acccagatga aaatgttag 273480  
  
 tggctgatat gcaagtctag agtcagaggc tagtttgcaa tagaagatta cagcttagga 273540  
 atcatcagca tatacacagt tggcttttta aggcagggga ctaaatgaaa tcaccaaggg 273600  
 agtgttgata aaagagaaga ccaaaggctt gagccctggg gcacttcaag ctttagagga 273660  
 aagtgaatag gagtacgca gggagactga gaaggaagag ttgatgaagt ggaaagaaaa 273720  
 tcagaggcag caagtcacag agccaaggag aaagcttttc aaggcagagg gagtgagtga 273780  
 ccagctgtgt caaatactgc tgaggggtca caagagctga gagctgggca ctgactttgg 273840  
 ctttggcacg gagaggtcac tggtagacct gacgggagca gtgagtctgc tgtcagagga 273900  
  
 gaggtgagtc tcagttgcct cacctgagaa atggggacac cctcctgcct tcctcagaga 273960  
 gcagcagtc agaccatggg caaactgcaa agtgccacca aatatgagct gttttattta 274020  
 tgacctgaga agcccagagg ctgttgaaat gaggggaggc tactgttggg cacaattggg 274080  
 tttaaagatg cttacagccc cgttatcacc tcataaaatg gctcatttct tgctactcat 274140  
 caccagaaca ctccccagg catgaaaaag ttaccttcag aggtagaagc tgtcaggatg 274200  
 gatatttttt gtgcatggca actgggaaag agaaaaagca aataatgggg ccaaatagtg 274260  
 ctaccggggg tctccacga agattccaga cactgctctc ccagaggga cccagtgat 274320

cctgtgcctc aaagcaaggg ctccctggag aaagccacca accaggggtca gctgtgctct 274380  
 cactgcaaaa tgagcaacat gggggaggga ggagagaagg atggagaaga aggacagtca 274440  
 gggaagtgg aaagaatgtg agtttggagt cagatacaca tgcgttggaa tcgtggttcc 274500  
 tgttgtgtca gcaaatgacc tgactcctct gagccacagc ttcctcatct gcagtggaca 274560  
 gcgtgatagc tatttccaaa gctttctgta agaaacaagc tgttgaatgg gggaatgcac 274620  
 actgtgtgtg tgctgctgta tcaactgcatt tgcaattagt ggcaactgggt tttccctgt 274680  
 ttagtagcag acagtttttc ttcagcccaa ggagcctgtg ccttcccggc ttcacaaac 274740

cggtcgtcag aacagcagta actttcagtg ttgtgaacat ggtctgatat tcttccacgt 274800  
 gtggctgtga tatgcagaac tgaaagtagg ctaggacatg cccttaagag cagcagaagt 274860  
 aggaggggtg ggcctgggtc tcctgggcca cagtgtgcac tttcaggccc catctgcctg 274920  
 ggttcatggt ggcaacgggt gtggcctcta gaatcagact gaggtctaaa ctctagctca 274980  
 gccagttaac taactgtgaa actaatttgg ccaataaat gtgtttctga ggattaaaac 275040  
 gtatatatcc accttgcaaa tgttgtgtaa ggattaaatc agatgctgtc tattaggcaa 275100  
 ttgtcaaggt tagcaagatg cttagcacat aaaaaataaa taattattgt tttattattg 275160

ttgtgtttc cactgtttc tattcctttc cctctctgat catggattgc atccatttc 275220  
 tcttcctgtg gggaggagag atggtagggg catcaggcaa gttggccagg ctgactccac 275280  
 actgaggtct gagcctcagt gctaccagca gcaaaggaat gtttaggatg aggaaatggc 275340  
 ttgtgtttca ggactggaag acaagtcaa aaagttagga agaaaggggc aggggggatgt 275400  
 gacagactct ggccttctgc tgtgggcaca gctgggatgt gtggagctct tcctcattgg 275460  
 gtggctggct ctggagtga gaggagggtc agcgtggggt aagattggtt cagacaccag 275520  
 ccccgacct agactcacag tcttactttc tgttctgctc agaccacct gtttatctcc 275580

tggtattgat gtaattgctg cctccagaac agatctgtcc cagatctgtt ttcattccac 275640  
 atgaaccgc ttcctccag acctgacctc agcccatggc ctgttagggg atatgctctt 275700  
 cccatttgg accagtaact gtgaggtaca agtacagctg ttgtatcccc acaatatgct 275760  
 tacaaaagca aaatggaaga tgaatatgag tgacctgtag tatctttggg ttttttccca 275820  
 ttttaattgg tatgtcttta gaaaagtgtt ggcatcatcc aaatgaacca tgaacgatgg 275880  
 atgccttag acactttgtt tgaaaagggt cctgtgggag ctgagaagg gctctaagta 275940  
 ttcttgaaag ttctgtctg tgccttagag acttgtaaaa ataagctttt catttaagtc 276000

tgaagtgtgg gttgcttact ctgaatttaa gtccttcatt cttcagaatg tgaaatgcc 276060  
 agggccctag tgcccccac caagctacat aagccttcca tcatatgctc cctgggactc 276120  
 agagcttggc ttcaatgga ggcaagttct cctgaggctt tgtgggtttg tacctgcaac 276180

tgtgtgctcc agtctctgta ctcaggcagc gcaagtcaat tctgatatga acttacccctg 276240  
aatgtaagta aaaataagaa tgatcagtaa tttttgtgga gcacctgcta tgtgccaggc 276300  
acttcattgc cacattacat gagtgtgcat ttagtcccc taacaagcac atgcagaaga 276360  
tcctcttttt accctatttc acagatgaga aaactaagag aggtcacaag acttgccaaa 276420

aaacagagtt tggcagggca cgggtggctca cacctgtaat cccagcactt tgggaggccg 276480  
aggcggggcag atcacttgag ctcaggagtt taagaccaac atgggcaatg tggcgaaacc 276540  
ccatctctac aaaaatacaa aaattagcca tgagtagtgg tgcacacctg tagtcctagc 276600  
tactcaggag gctgaggtag gaggattgct tgagcccgagg aggtgagacc tgcagtgagc 276660  
tgagatcgtg ccaactgact acaacctggg tgacaaagtg agaccctgtc tcaaaaaaca 276720  
aacaaaaaca cagagctagt aaatggtagc attagcatat gacctcaggt atgattccag 276780  
agcttatgct tctcaactat gctactttcc tgctgtctgg attcataaac attaaaaaga 276840

tggatagtat cccgtgtgcc ctaaattgag aacatgggca catacacatc cttgtctgga 276900  
gtagaaatta gtacagacat ttggagggca atttggtagg gcagaccaca gttttaaat 276960  
tgcttcacat tttgatcact cctatgactc aatgatacag gaatccttgg atgtatgagc 277020  
aaataaatac gtacatgagt cttcatcaca gcatcattta tgaaaacaac taaatatita 277080  
ctaattggtgc cagtggaaac aattagagaa catccctgc tacataactc tctgcataca 277140  
tcaaagagaa tgggtgtggc ttgctttttc aacaatctac tgagcggccg taggcatggt 277200  
gatatggcca tgaatgagca agattctctc tgatccttat agaagttaag ttctaccaga 277260

taacttgctg cttcaacaaa aatatttagc tttttaaata aatgtggtag aatgctcctg 277320  
ctttcttgtt tcatttaact caaatgatca ccaaaaaaga gaacaataag ctgttgaccc 277380  
tgcagatgtt gtgtaaccac tagatgaaaa gatttacagc aggaagctgt catgcccaca 277440  
catatggtec caccatcctt ggagcctcca taggtctaaa tggagtcca tcaccataaa 277500  
taaattgtaa tgaaggttcc aaactatact tgtggagtta tacatttgat cttggccaaa 277560  
aggccaagaa gcaatatgtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 277620  
gtgtagtatt atattacaaa agcaaaatca ctatatcagc tgggacctgt aaaccagaat 277680

ttaactgtaa agcaaggiga atctgcatgg ccagctaact tggcagccac cttcactcca 277740  
cccacattga ttttattttc tagtgaaata tttcttcaag agcaaacaga ctgtcatcag 277800  
acagtatctc attaccagga tctgatatct tggatttcct ttttctaagt cttgacctgg 277860  
cttgccataa tttgaagata tccaacactt taaaaatcaa aaaagagagc taagatatat 277920  
agtatatagt gtacatagta tgtagtacgt actgatggaa agtttcccg gatagatat 277980  
taaggaaata ttttaaagtc atggtacaga acaagatatt cagtatgaca cagatttggt 278040

gggaaagcta aatataatgc ctgcacacac acacacacat ccttacatgt gcatcgtaga 278100

agatctggaa agatacacac catgctgtaa tattctggaa acggagaagg agacagaagg 278160

cagggttgct gttgaagtag actgtgttca acatttacat tgtgagtttc tgtgatgcta 278220

aaattttcca caatgtgtgt attattctgg aattaaaaat caaagaaaaa aaagtggagc 278280

agaactagat gatgaggacc ccataagcaa aactcaggaa gtaagaaatt gtcatggaag 278340

ttgtgaggag ctttgaagg gttttggcag gagacagata ccgtcagatt tgcagcaagt 278400

ggaggatgaa ttgggggaag caagaagata ctggagatgg ggtggccaga ggggagactg 278460

tggaaggagg tgaacacagg aatcctcagc ctgactggtg tcgggggtga agggagctgc 278520

tggtgtttgg caccggctc aggcacgcct gagctgtgcc ttcaaccag gctgggctgc 278580

tggaggagga gcaggactct gaggtcagag gaagggtca gccatgaggc atatgagatg 278640

actggaggaa aaccaggtct ggggagacat ggagctggca ctcaggagac agataggttg 278700

tgttccatat atgacttcaa gataaacaac ttctcggta ttcaacagat atttcttagg 278760

agggaagaag ggatacactg taaacaaata aatataattc tcagagcatg agaaatgtaa 278820

ctgctctgtt gggaaatgct ttgcctgcag acatgtgaat gttggggtgt ctgtgcatcc 278880

caagattttt ttcatctgat ggaaagaggg taccccgggg agcctgagcc taggaggagg 278940

ctgcaagctt cctgggtggc tcaccgccgc tgcctgtcc ttgtggccc ttcccctcac 279000

ccaggactgt ctgtaggagc ccagaccacg ctgggtctgg ctaagccaac ttcctctgca 279060

ccaccaccac ccagcagccc ctctctgcat ggtaaatggg aagccatgga ccagaaagct 279120

ttttataacc tctgggcctg agcctcagag acaccactgt cctccttctt ttcagtttcc 279180

atggggctgt gggattttct aggcaaggta cccaaccagg gagaaggtca caatgcattc 279240

taactgcatt ctaggcgctt gctgccaggc acgactctaa ggactgtagc cttgtcgcta 279300

tgagccagcc aagcaagtct cttcccctgg aactcaggga tctgttcagt tggcaacaaa 279360

gcccttctt cccagctgg tgacattctg gagttttcca cacacaatgg actatttgtt 279420

ctgagactgt ctgggccag gccagggaag ggggccatac aggaccagct gactccactc 279480

tagggaaagc cccccaccag agctgaactt ggacctgtgg aggcctccag ccttgcaaag 279540

atcatggcac cctcaccgc cagtgtgtaa ttgaaaataa aaaccaacc aaacctcaaa 279600

gttgagcaaa atcaacaaag ttctgatttt tgcctatga agaccattca gtgcttctc 279660

tcaaatgtt aattatcaaa ttattcctca aaaaattact ttagtttccc cagttatccc 279720

taaaataact ttatggtgct ttattcacca tccaaagcaa aacagagcca gagaacctga 279780

ggggcaccac gggatatggg ccttggcttt gtgctggcct cctcgtccaa gggagtctga 279840  
 tccagcgcac gggctctcacc agcaggacag gcgttgaggg gacagtcttc agggccaggt 279900  
 gttagccaca ttgcaactcc tgctgaccca gctggcctgg agcaggcccc actcagttgc 279960  
 tggacacaga gcatggctct gccctctgaa atggacatga catgggagtc tggccaacca 280020  
 aggcagaatc caggccagat ctctgctcta gtggggaagg gatgggctga gctggaacc 280080  
 aaaggtgtga ctcagtggcc cttcagtgtc caggacatac ctggacactc agtccctct 280140  
 cccggtatca ctgaggcccc aggggtcccc catcccagag agaggtggct gtacaccag 280200  
  
 gcaggaaaag cccaacagc aggtgaggga gtgggggtga atggtgtcac caggtcaaag 280260  
 ccctattgtt cccatgagcc cagctctgtt cactaaatat ttgtgtcct tttttgcaga 280320  
 gtgatgaggt cctcaccgtc atcaaagcca aagcccaatg gccagcctgg cagcctctca 280380  
 acgtgtaagt aacacaagtc ccttgccctgg cctgtcttat cctagcccct tctcaaagcc 280440  
 acctacctaa tggccaccac ataccagtta tgctgttgaa gttagcacta cttctcagtt 280500  
 aacaagcagg caagatgctt tctatgtgca gagcatcaca cctgccccat cttctcaagg 280560  
 atgcaggctc aggtctctgtt tcccccaat ggctttaata ccacagccag atgtgatggc 280620  
  
 ttaataacca actcagatgg gatgattaac tgttctgtgt tcaactcatgc tctcagccac 280680  
 aacagaccaa acatgccctc accctcagag cacacagggt tactcatgct tagccagtct 280740  
 gatgtgtgga aagccagatt tacctgggt tccattctca gtcccgtttc ttttctgtct 280800  
 cctctatccc agagagattt tatctgccct tgagtcaggt gaccaagggt atgtgacag 280860  
 tccccaaaac tacctctgc caaatggatg gatacagtgg tataccgtc aggtttttgg 280920  
 acagctctcc atggatggtc cacctggacc ttaaaactcat catgtccaaa atgggtccca 280980  
 tcacattcaa acaaacctgc tgttctccat gtggagaaat attgaaagta cagtgagtgt 281040  
  
 caaaacctg tggattctgc cttctgggca gtcacaaat cagtccctac ttgattctcc 281100  
 tccccttct tcaagccatc accctttctc acctggacca cgtcaccttt ttcctttgct 281160  
 gtatctctcc tcagtccaat tctcatcca cagttactag agtgatcttt taagaatcca 281220  
 aataccggcc aggcgcagtg gcttacgtg taatctcagc atttaggaa gccaaggcgg 281280  
 gcagatcacg aggtcaggag atcgagacca tgctggccaa catggtgaaa ctcagtctct 281340  
 actaaaaata caaaaattag ctgggtgtgg tggcacgtgt ctgtaatccc agctatttgg 281400  
 gaggtgagg caggagaatc acttgaacca ggtaatcaga ggttgacgtg agctgagatc 281460  
  
 gcaccactgc actccagcct ggtgacagag caagaatcca tctcaaaaaa aaaaaaaag 281520  
 aatcaaatc ctccagctag cctgggcaac atggcaaac cctgttctta ctaaaaatac 281580  
 aaaaatctaa ctgggtgtgg tggcgcacgtc ctgtatctcc acctactcag gaggtgaag 281640

taggagcatc gcccggtgcc agggaggtcaa gcagcagtga gccgtgatcg caccactgca 281700  
ctccagccta ggtagtgga ataagactct gtctcaacaa caacaaaaa gaatccaaat 281760  
ctgttgtgtc ctctccttct tcatccctct gtgacttcgc ttagtctcaa gatcaagtc 281820  
acactcctta gtttagcgtg cgcagggtgg cggaacacac gtcgggggttc atctcttgtc 281880

ctccccatgc tgcacctcat acagccacc ccgaatcctg ggcagttcct tgaacaagct 281940  
ttgattttgc tcatccttta aagacgcaag gcctggagac tgacccaag aagatgggtt 282000  
acgaagaagc ctggccagc ccctctaggg agtagtctac atccattaac acccgtattg 282060  
aagacagcaa caatgtgagg aatgtgtgag atgtgtctca gtgggagaaa aggcgaaatc 282120  
cacaggatag gaaggaggga aagtgtctga cattcaaaag gaagacgccc caggataggg 282180  
cagtgggagt gaggaggag gcacactcat agctgactgc ctgggagcag ggaagctacg 282240  
gcgaggcacc tgatacctgc tcatttaacc attcagcaaa ctaatggctc atcccctact 282300

gtgcgccagc cctgcacatg cagtcctagc tctctggaac actcagccag agaggagaca 282360  
gacaacagac caagttgggc cactccaggt ttccctttg cacaagtcca ggcagcacca 282420  
tataacctga atatataaaa tataatgtca tcatggcagc cttgtatact ccaaggggat 282480  
aaatgttagg gtgaggaatg gctctggagc ccagagcag gggcagaacc ctctcctgct 282540  
gtgtggagga gggacatggg gctgtgcctg gaagggtgtc cttgtgtctg tcaggactgg 282600  
cccaggcttg ggtggagctg aggtctctgag tggaggcctg aggagggaag gagagactag 282660  
cactcagaca gctggccag cgcagcccag ctggctgcat ggaggccttt tctagcctgc 282720

tgtgagctct aagccttct ctggatcct cctaaggaag ctcacaccag ggcaggagaa 282780  
aaccaccca gccaggaag tgccttgccc tccaaggaga agcaacacga ggcaggcct 282840  
accaggga ctctcctggc aggtgcacct ttgccatct catcctgtc ctacaaaaa 282900  
acaaggatgt gaattcaca aagcccttgg tgcctttgc ataattaaca tcagttacca 282960  
gtcaggtcac ccgaatctc cttactctgc gtctcttca gattctcca gttccttggc 283020  
tcccagaacc tatgtgtgaa gaaccctca cttctgttcc tctaagtggg caggggatga 283080  
aaggcaggta ggggtggga gattttgtgg gtaccaattt ttacaccatt aaggagtctt 283140

tataaccagtt ttctcttgag gagcctgggc ttaaacagat gtaactgca aatcaaagca 283200  
cattcaggaa agatatagga agggaggag agaggaaaga gagagcagtc ctttttacct 283260  
tcagcatccc ctgggtcca agtaggcgct gacatttatt atcccttta atcctaataa 283320  
ccatgaggta ggtattgcaa tgtccatttt accaatgacc aaactgagac tcagaggctc 283380  
tatgacagca aggttgata tagaatgcca acagtacca gctgattcta atgcctgtgc 283440  
ttttcactat aacacgatcc ttccaattaa gtaacaattc attcatttc ccatgtctaa 283500

attaatcaag acatatatac ctgccaatga gccttctgat tggcatgaaa ttaacaatgt 283560

gaccacacca aatggtctca cacctacccc aaaacaaaca aaatcttact ttcacttacc 283620

ctgtatccta tcaaggagga ctgaaacatc cttgatagga gggccccccc aaaaaaagtc 283680

ctgtgaaagg tgcttagggc aactgtggig agcacagcac agttccttat ggagattaca 283740

attcagtggg gagagatatt tactaaatga tcacacaaat aaatgtgaca tgtctatgaa 283800

ggaaaggcat aaagtgccat taggggggtt agagatagct tccccctaaa aaggcaatga 283860

agctaagatc taaggaagca gtaggagtta actaagcaaa gaagaaaaca aaggggagaa 283920

cattttagaa aatctggaga gaccatcatg tatctgcaaa ggccctgtat gaggagggag 283980

tagagtatgt ctaaggcact aaaaggcttt ggtctaacta gatccagaaa tcaaagatga 284040

gtttggtgtg gggccaagcc atgtaacatt tgaattttt tatttgaatt tttgcattaa 284100

aagtcattgag taagaccagg tgtactggct cacacctgta atcttaacat tttgggaggt 284160

ggaagcagga ggctcactcg agcccaggag tttgagaaca gcctgggcaa caaagcaaga 284220

cccccatctc tacaaaaaat tttaaaaact agccaggcgt ggtggcttgt gcctgtggtc 284280

tcagctacct gggaggtgga ggcaggagga tcactttagc cgaggaggct gaggtgcag 284340

tgaacctatgc atccagttc ggggtgacaga gcgagaccct gtctcaaata ataattgtaa 284400

atcattgaag ggttttaagc aaaagggtga catgatcata tttgcattaa aaaataaaaa 284460

gcaataacag cactcggccc ctgtgtgaaa gggtagatgc gggagcccag tgaggggggc 284520

tacttcagaa aaccggagag aattaactgt gacttcacta ggatggtggt ggtggtggaa 284580

aaggagagag gtacagagat gtgtgaggca cgtaggaggt aaaatcaaca ggctgtggcg 284640

atagggtggag taaggggggtg gagaagagc agtcaagatg tttcccatgt gtctggctgg 284700

cataatgaaa gagtgggtgaa gccactcaca aggtgaaaa cgttagatga agttcagtgg 284760

gaaagatcat gggatcagtt ctaagtgtaa gttgttaaga tgtattcaag atttccagtt 284820

agagggtgta agtacctggt tggctagata gctctggaac tcagggcaag aattctgcac 284880

tgagatctaa aattgggagc cctcaaggaa tgggagacaa tgccaagggc ataagaatag 284940

gaatcaaggg cttaggactg agttccaaag atcttacta ttgaatgttg aggaatcttg 285000

cctgcaaagg acacagcaaa ggagcagcaa agaaattggt aaggaagctt ggtaccgaga 285060

aagccagggg aagaaaagtgt ttgagggggg tggttggctg tgcccagtgc agccagaaaa 285120

acaagaaaga tcaaggctac aggaagccct ttgggtttat cgacaggaag gtcattcagt 285180

accttacgga gaatcctttc tgctgagtga tgagggggaa aaacagcccg gagcaggtga 285240

gctgtgaaca gagcatgagg ttatggagtc agcaagtaca gaccactctt ctgtgaagtt 285300  
 tgctatgaaa gaagagaacc tggctccaag gggatgaaag agtcaaagga gcattttttt 285360  
 tttctttttt aagatgggag agactttctg aaaaactgaa atgaatatit tgggacacct 285420  
 tcccacattt cacctacccc tcagacttcc tgaggcctcc gtggaacaaa attaattgat 285480  
 ggcaaacact cagacctccc aaacacccaa aacctctgca ctcggcgcta ctggcttggt 285540  
 aagggaagag aattttcctt tgattttccc atacccagct ctcccccttc ctcttccaaa 285600  
 tctcattagg aagtcaaatt aggaagccia catgcagcca agttttgttt tgcagaaaca 285660

gccttgccctc tctttgctga gcctgcctga ttgaggttaa tgggattcca gcctccctcg 285720  
 ccgccagtg gaaagccagg gtgacctact ttgcaaggtc ctgcccgttg aaactgactt 285780  
 gtttttcaat gatctgcatc tttatcccca ggaccacttc tcaaaggaca gccatgaatg 285840  
 agcaaattag ctgctgactt gtttagctca ataaatcaag ctgtggctcc gacagcccag 285900  
 ggtgcaggta gagacaggaa aggagactc tgaacaaaac ccacatcctt tcctagtctc 285960  
 tccggtgcct aagtagaaaa tgcccagatt tcctacaaat caattctgaa tgtccatcat 286020  
 ccagttcctc caattgcatc tgaatgctaa gaattactgg gacttttaca aataactttt 286080

atttccttcc ttaaaatgaa tcctgcaaac cactgtcacc accttaaatt attcccagcc 286140  
 actctgccgg attaacattg attagataaa ggtcgtgttt gtgaggccag tggagtagag 286200  
 acatggtcac ctctccaga aatccaaagc catgctcccc aggaggccag agatttcctt 286260  
 taaattgggc cggaagagtc agggctctcc ctgcctcctg caacacctgc acaggtccac 286320  
 cgatgtcctc gggatgctaa aggaagatgg gctttggaca gagaagcagg tggtaggtct 286380  
 aagcatccag atggacctgg agtcctagat gcctcctggt tataaacaca gcgtttttcca 286440  
 acgttgccag aacctcctc aaacctttct ccacacacac cctgcagaa cttcagccta 286500

gtgaatggct tgggcgcctt ctgctggcca aattgagttt ttgcaactct gaaaattcag 286560  
 attattgaaa actcaggatg agagacaaca cagcatatga gtgttttagg aaacctcctt 286620  
 gagtctcact ggtgtggatc tgtaatttag gaggggatgg taagtctcta gaagcagtat 286680  
 caaaatcctt tcttacctct tttcttttat ggtgttttgg aacattttgt ttggaaaagt 286740  
 tgaatgagaa gaaaatcaac ctctaccaag cctgtttatg tgtccctcac aatgataagc 286800  
 agttttctca caataaaacc ttggggtagg atgatgatgc tccatttgg cagatgtagt 286860  
 aattgcaaag aaaggtgagg tggaagccct catcacatag ctattaaata aacagctgat 286920

tcgaatccag ctctgactgt caccaatgcc ctgggttctt tctccacac catgctgcct 286980  
 ctccaaatgt agaaaaagga aacatttctc tgggtcttca tatctgatgt gaattgtctg 287040  
 ttcataactt ttctttatct agtgggatca ttgtcttttt ctacatatit ggattaactc 287100

tgtagataat atagatatta acactttgtc agtcacactc aatggagaca ttttttgcca 287160  
gcatgtcatt tttctctcca attcagtact gctgttttca ttttacagaa ggtcttcgtt 287220  
gatagataat tcaattcttt tctttataat tgcttttatt gtttcaaagt tgaaaaaatt 287280  
aatatttctc tagtagatct gaaagcttta tttttttcta tgatctgggt attttctatt 287340

tgactctggg tctgtttttt ttttttcttg tgtggtatat taaatgtgaa tccagttttt 287400  
tttttattac agttaactta gcccacccc acttgctgca caatctttcc tttccccta 287460  
atttgaaaag cctattttgt atagtcctta tctatagttt ctgggatctc cagtctgtat 287520  
tgctgattta tatttctatc ttacctgaat atcacgtat tttgtctatc atgctttatc 287580  
atatactctg gtatatggta tggctagatc aactctctgc tagaaaacgg atacaaatct 287640  
aagtcccagg tagaaagatg aaaccaaatt aacaaaatat atcttgaag acatggcata 287700  
tacaaaagca taaaaatttt tatgacagtt tgaacaaatt aaagcactcc agtcctatct 287760

agcattttct aaggaaaact catatagatt cttattcatt taattatttt tattatagaa 287820  
taaatacttt gaagtgatgc ttaattaaat ttgaaggta aaggaaatac aagagctcca 287880  
tgttcatttc ttagattaag tcatctactt caacaaacat ttgaagagaa tccatggcat 287940  
gccaagtctt aagccagaca ttgggataa gctatgagca cggcagaaat ggtcctcact 288000  
ctatttgaac ctgatgggaa aggcagatat taacaaaaaa ttccaaagca agagtgagtt 288060  
cagcatgcta tggggaggta gaataggagt tctaagcaat ttggggagag gtcaggaaat 288120  
acctctcca ggaaatgta cataaatggg gtcaaggagg gattctccag tcaaggataa 288180

gagaaagctg cagggcata ctgaaaatgc tatcaaattg ttctcaggcc cttatagatt 288240  
cagatttact ctatcaccca agataagtca gccatgtgac ctcatagtca ggaattggcc 288300  
gccccagtt tcccacact tgaaacactt accagggtct agagggtatc tcgcttcagc 288360  
tacagatttg gatacaacag attgggcca aatgcattta ctgagaatga tttccacaag 288420  
gccttggctc cagatggta caccattgg ctgggcaggt tccagggtta tgtgttaggg 288480  
tggcagttgg tttggtttct acagctctgg attagaactg gttttgtccc cttagattgt 288540  
cattatgaat agtcacccat ggggtacagg atatgaatga ctaatctggc cccaaatcac 288600

ctacttagga agacaggaag gcaatagatg gagcggctcag tctctatgac aatggaagag 288660  
gaaacctgcc tcccaggga ctgctggacc acccagagg acagctgcac ccagggtcca 288720  
gtgctgtctg ctcagcagtt actagaaggc agaccagaac cccgtcctgt gagtccctag 288780  
gcgaggtaat gccacacctc catagactgc aatccttgtg tgaaccaggt ctttaaagaa 288840  
gtgctaaaa tcactgacct acatgccaga aaatgcacac gtgggaaaag gaaattaaat 288900  
cccctgattt gtgcctaagt agctgatgat gtcattgcaa tactttagca gtttataaag 288960

acttcctaataaagcatctc atttgatcct gacagcaaca ctgcaggtat gtattgctag 289020

atgaagatat tgagacttga agagggtgag caacttgccc aagatctaaa gctagaagtg 289080

gaggagtcca agtcatcata cgcataattg ttcagtcggc ccaactggaca cctaggtcct 289140

ggggtacagc tatgaaacac agagtccctt caaggaaactc ccggtctaag ctggggagag 289200

ggaacagtga ggaagtgatt acattcatgg ggtctggcta tggagacctg cgcagagtgg 289260

gaatccagcg ctatgtatct gcctcagccg aaggcaagac ctgcgcagag tgtgggaatc 289320

cagcgctatg tatctgcctc agccgaaggc aagacctgcg cagagtgtgg gaatccagcg 289380

ctatgtatct gcctcagccg aaggcaagac ctgcgcagag tgtgggaatc cagcgctatg 289440

tacttgccctc agccgaaggc aagacctgcg cagagtgtgg gaatccagcg ctatgtactt 289500

gcctcagccg aaggcaagac ctgcgcagag tgtgggaatc cagcgctatg tacttgccctc 289560

agccgaaggc aagacctgcg cagagtgtgg gaatccaacg ctatgtactt gcctcagccg 289620

aaggcaagac ctgcgcagag tgtgggaatc cagcgctatg tacttgccctc agctgaaggc 289680

aagacctgcg cagagtgtgg gaatccagcg ctatgtatct gcctcagctg aaggcaggca 289740

gaaaggctgc tggaagaggt gacatgacct gaggcttgaa agatgagtgg gccagcatt 289800

ctcaagcttg aggtgtatta caatctggag ggattattaa aacaattgc tgggtcctac 289860

cccaagtctc taattcagca aatatagggt ggggtcaag aatctgtatt tctaacaagt 289920

tcctagaggt tgctgatgct gctgggtcaa ggaccacact tttccaatca ctgaagagct 289980

tgccaatag atgcaagtac aagtgaacc tgcagtaac ctgcaggtag actggcctgt 290040

cagggcccag ggagcttctt aggtagcagg tagtgtggga taaggagagg ggtgcatggg 290100

aggcagcacc aggaccttgt caatcgacgg atgccaagc caaggctcag gccaggttct 290160

tctccactcc tgtggcagaa cctagactgg catcaggcta aatggaaag tccattcagg 290220

aaggcttttc ctcccactg tcccccttct gatctccata cgatcctaca gtacttctct 290280

cagtaacact aatggtaata agagctctag ggccaggcaa tgggctaagt actgtctgca 290340

agctagctca tttagaatc acaggaacct ttggagtag acgtatgtga tcaccatttt 290400

aaagatttgg aactgagac gcagaaaggt ttgataatct gcccaaggac acacagctgt 290460

aacaggtgat accagagccc aaggggccca gttccccagg cccagtcgg gtctgcagtc 290520

attgctttct ggtgccaggt gagggcagcc agaagcagct ggtccaaca gagggcacag 290580

ggacttccag acagctgagg cagaccagct gccagctgga ctgaacagaa cagtttgtct 290640

ctggccaagg attccccatg attagcagcc ttgggtgca ggtcaggcc aagctgcctt 290700

caagcctcag cccctccta gctgtgtcta ttagttcatt aaccattat tcactttcat 290760  
 ggcctctcta tgagacagga taataattct aacccacag gattgtcatg aggggaaaat 290820  
 gaaataatat gggactgcca cccgtgtgt gctttgcga tgtgactctt tcctttccag 290880  
 ccactctgag tgggtgtgtc catgtatctc acatgggtccc agccactcct gagaatctgt 290940  
 gtgacacaaa gagagaggtt gaagagcggc ctctgatagc ttagactcag gatgttattc 291000  
 ccagcaactg ggggtgtcgg ccaaaggtct ctgactctac agctgggtccc tgcttcccag 291060  
 ctgtgagctg atgggtacag tctggcgctg gacagtgcct gctattggca gccttctgag 291120  
  
 ggcaatagaa acaggaagct gggggagatg accctctga tgggaggttg aggtgcaagg 291180  
 atcacttgag ccagaagtt tgaggcaaca gtgagccatg atcacaccac tgcactccag 291240  
 cctgggtgac agagcaagac tctgtctctg aaagaaaaac aaaaagagaa actggatagg 291300  
 gtggtagtat atggttctct ccacatttgt tcaatggatg ggctcaggac agagaagggt 291360  
 ataaaccac agtggccaaa ggcagaattc agtgggagac cacgaatgtg gatactctct 291420  
 gtccctctca ttctcataa tccaggcaga ttccctcag agtgaggacc aacccccaga 291480  
 actctaatat aatggtctct gtatttcgtt tccaggagag cagcaccttc agctgaattt 291540  
  
 tccgtggaca gaacgcgcca tttaatgtcc ttctgacca tgatgggccc tagtcccgac 291600  
 tggaaacgtag gcttatctgc agaagatctg tgcaccaagg aatgtggctg ggtccagaag 291660  
 gtggtgcaag acctgattcc ctgggacgct ggcaccgaca gcggggtgac ctatgaggtg 291720  
 tgtgtgtgtg cctggagtgg tgagtggctc ctgcctacc cgcttctga gtgtcctgga 291780  
 cacagagggg atctgtccca ggctctgtcc tagtgaaact ttcagtctgg ctggggaggc 291840  
 tggcatggtc gcatcatcac atatggtgta atttgggctc tgggaactgt ctgtgcagtg 291900  
 gccaggagag caggagagg gaactgctaa agagcagttc ccaggtgagc aggggacagc 291960  
  
 attccaaagc catgactgca agagcgaagg ttcttgaca gctgggctaa ggagtittga 292020  
 ttctgtcctg aatgtcatat ttctctgata tgatctattg cattgaaatc tggagccatc 292080  
 agaaaaccaa tgggagaaca atctagaaca gacatctgca aactatggtt tggagacaa 292140  
 atctgccta caatgtgatt tgtcaataaa gttttcaaag ccagttacac tctccaagt 292200  
 acatattatc tgcggctgtt ttctcactac cacagctgag ttgaatatta gcaacagaca 292260  
 caatatggtt cacaagcct aaaatattta gcatctggcc ctttactaaa aaagttttcc 292320  
 aatgccgggt ctattagaaa gagtttggga ttcaggccaa cctggctcag ccgtttccta 292380  
  
 gctgggatgg cctctctgaa acttggcttc ttcacttag cacaatccta ccatggacat 292440  
 ggaagaattt taaaatatag ttctagaaat ttctcagcac agtatgtggc atgaacacaa 292500  
 ttccataaat ataaatagta gttatgcttg ttaaattcct atcaaggact ttgctctgat 292560

ccatataaca aatggctttt gtgggttttc ccaattttat ttcttactct ctacctctgt 292620  
atgttttctt gcagtcaccc aacaaacca ccattcccca ggagaaaatc cggccctga 292680  
ccagcctgga ccatectcag agtcctttct atgaccaga gggtaggtcc atcactcaag 292740  
tagccagagt tgcacgcag agaatcgac ggaaggtact gggtagaac ccactctggc 292800

atcgaccttt cccggttaga gtgccaggga gattgtacac cttctgctc tagaatcata 292860  
gagtcactgg cagaaagcac ctcaggatat ggaattcctg ggctcccca ggtttctaac 292920  
atgcaaatta ttccataaga tgaataaag caggccaggc actglagccc atgcctgtaa 292980  
tcccagccct ttgggagtc aaggtgggca gatcaccca ggtcaggaat tcaagaccag 293040  
cctggccaac atggtgaaac cccatctcta ctaaaaatac aaaaattggc tgggcatggt 293100  
ggcagggacc tgtaattcca gctactcggg aggctaaggc aggagaattg cttgaaccct 293160  
ggaggtggag gttacagtga gccaaagatt cgccattgcg ctccagtctg ggtgacaaga 293220

gcaaaactcc atctcaaaaa gaaaaaagaa aaaaaaagaa aatgagcaa attaactcag 293280  
cagtggggc cagtgtcaa atgaacaatt tgatccaggc aaattgcttt cattgtgagt 293340  
cttgcaattg attactaata tctgccatgg gccaggaact ggggagtggt ggtaccaag 293400  
ttatgtatct atcatccctg gttagccatt cctgctttct tggcatttct ttctcaggca 293460  
gattgtaaat gttggtccag aactttgcca tggcatacga tttgtataca gaatggcgat 293520  
tagattttag tctctttca ccttccctt acacattccc ttctttctct catgtgagcc 293580  
ctccaagtaa aattcctttt tcagggtgaa caatgcaata ttgtacctga caatgtcgat 293640

gatatgtag ctgacctggc tccagaagag aaagatgaag gtacgttgtt ttcttttgtt 293700  
gcagggtggc acataaattg acataaccct ttgagaaagc aatttgctaa cctgttttaa 293760  
gaaccataaa ccatgtgctt tgacttggtg atcatactc tgaggatttc tctcaagaa 293820  
ataatcaaaa acaaggccaa ggtagggccc aaagcataag ggaattggtg aagatatgac 293880  
atcagaatat atactcaaca acatcaggcc tttaaaacaa tcatgtaaat ctcattttaa 293940  
tgggtctcgc aggtatcaga ccactctctg ctctgattct caggccagcc tatgaggcag 294000  
gtgtggatac attcacttct ctagcaagca aagaaaggcc cagatcctac aatcaggagg 294060

gagcgacaga gtcatgggtc aagctcaagt ttctttatgg gatctggagc cagacaacct 294120  
ggactctcag tagacatgtg atcttgggca agaagctaac cttctgtct cagtttctc 294180  
aacagtcaaa tggggataat aaaagaactt gcttcataca gttgtcagaa ttaaatggga 294240  
taaaacatgt aaggctctta gaatggtgct ggtacatgat gactactca tgaatagcag 294300  
ctgctcttat tcttaccatg acaactgtgt atgggatcat tgggaagatg aagccatggc 294360  
atgtaataaa gccttgagct tttcaaaatt acctacaatg agcctgcatg tgtctggaaa 294420

caatgccaaag atgagggact gaaaatgaga agacgttcat gtgttgagag gaagggataa 294480

taagaatcat tctgcttatt tagattagat atttattagc aagatgttaa actattatct 294540

ttaaagggaa gtggatggct gcttccatcc caggagcacc caggctcact gaagtcagtc 294600

tggcagcatg gcttttcttg tccccagata agctgggatg gggagagggc cagtggcagc 294660

tcccataggt tcccagggaa aacatgtcaa acactcttcc cagatgacac ccctgaaacc 294720

tgcattctact ccaactggtc cccatgggtc gcctgcagct cctccacctg tgacaaaggc 294780

aagaggatgc gacagcgcat gctgaaagca cagctggacc tcagcgtccc ctgccctgac 294840

accagggact tccagccctg catggggcct ggctgcagtg acgaaggtga ggagacaacc 294900

cagaccagcc aggggctggc aggagttagc gaagggaggg tctgcctagc agtcagacag 294960

tgtccctggt gagggcacaa ggaccctgac agtagatgtc agtggggctc accttgggca 295020

aactcctatc tgcaacagtg tcttgagggc tctgaacaca gaattctctt tatatcaaag 295080

gaattcttga gattgaccac cccctccttc ttttactgaa gagctaaca acatagatac 295140

aacttatgac aagttacaga taacacatag cctgcttctg ggccttaact ccaattctctt 295200

cttaaggagc ctgttaacag tcagcccaga ttgaattctag atccattgcc ctaattctgt 295260

catttacagc ccctcatctg tgttccacct cagcgtgagt cagagcactc tcacttcttt 295320

gtgtcaggac ctttgggctg attgcagaaa ttctcagtct atttgaaca gtgcaaaggt 295380

cagcctttaa gtataatctt gcaacacctt tatcatgatg gctcaagctt caagattgca 295440

ctaagctgat tgcgtgcaa aggtcagcta tctgcttccc aagccatgac ccctttctct 295500

gcctgataga tctacgtat tctgccctga tcttatagga tgccataagg caatgggaag 295560

gcactgtata ggctggactg gtgtatggca gggaaaaaaa ccacttccaa gccgaggata 295620

aagaaagcaa gcttatccca tgcaggatcat taattccttg gctctgccta gagggaggct 295680

cttaaacacc tctcccagtg ttgcactttc acgatggttt attgctagct cattttgccc 295740

acaataagca ctttggaggg gagtaaacc tccccgtaga ctaagtcatt cctacaaaca 295800

ggcgggagga aagctgggac tggcctgtca acattgaagc ctctttcttg gggctgggac 295860

tggggagcta agctgaggag ctgaggctct taacctcccc ttccacaggg aaggattgtt 295920

cctcatacaa atggattatg atttatctta aattatatgt agattaaatt atatcttacc 295980

ttagatatat gcgtgtacat tttttaaaca ccatecttcc catacaagca tctttcgaat 296040

gtattttcat gagataaaga gtaattctga gtgtcccatg cacctggaaa agaggcattt 296100

cctcttagag aactttgcca gtttaaggat ttagacctct taggtgtgca gacaacctca 296160

actgcctgac tctctttgat tcccgtggc gggaagticc caccgcgcag cctggcaggc 296220  
 gcccctgcc cctgtcactg ctgcagcgtt cactcgggtgt gttgcagacg gctccacctg 296280  
 caccatgtcc gagtggatca cctggtcgcc ctgcagcatc tctgcggca tgggcatgag 296340  
 gtcccgaggag aggtatgtga agcagttccc ggaggacggc tccgtgtgca cgctgcccac 296400  
 tgaggaaacg gagaagtga cggtaacga ggagtgtgt gagtgggggc cccgggcggg 296460  
 caggcgggca agtaggtcgg ggaggcagca ggtgcgactc caatgccgtt ggccctccca 296520  
 gctcccagca gctgcctgat gaccgagtgg ggcgagtggg acgagtgcag gccacctgc 296580

ggcatgggca tgaagaagcg gcaccgatg atcaagatga accccgcaga tggctccatg 296640  
 tgcaaagccg agacatcaca ggcagagaag tgcatgatgc cagagtgccg tgagtgagag 296700  
 cgggggttga ctggaggag gccactgggg acaggcgtgg agggccatgg catccactat 296760  
 taccaccata aaggtcggag gctgagcaga ggaaagcatg gcccatgttc ctgtctgggc 296820  
 actgctggga gccagatgag agacataggt gtgtagacat caaccagacc cagagagagt 296880  
 aacctccact gggggacatt ctaagcaatg ctggggtggc aaactgggtg cctctggata 296940  
 gagaattcac ctgcagctgt gttttatagg agtgtcttc ttgcagtgtt ggggaggagg 297000

gccaatacat ttaggcggga catacattac ccaggccag cccactcctc ccactcctgt 297060  
 tgtacattgg acttggctga tcccataaag catgacctcc cctgctctgt gcacaaatgc 297120  
 atatgggctt gccacacat tagtatgcag atgtatacag gcacacaagt atatacacat 297180  
 tctaggaat tcaggacaat gtccaaaaat gcatccctga gcctctcctt tagtgctga 297240  
 ttcttagtga gtgtgggatg tttctgtctc taggaagacc ctgctaagat cctcagtggc 297300  
 ctttctagtg gggacttatg tagtcataat gctacctca tgtcataacc atcggggggg 297360  
 gtcagcagg agatgaaaga gagtgaaaag aagagcagta ggctgctgag ccacttcttg 297420

ctccatagat ttactctta tttgaacca tgggccaatt ccactttatt ccaggggcca 297480  
 aagcagggga ctcggtgtgg aacactgtgg ggtcaggag atcaacgaaa acaaaaggaa 297540  
 cctgttctca gtggcaaacc tggttcttga tctagacacc atcccatgct tgctgtcccc 297600  
 atggtccgag tggagtgact gcagcgtgac ctgcgggaag ggcatgcga cccgacagcg 297660  
 gatgctcaag tctctggcag aacttggaga ctgcaatgag gatctggagc aggtggagaa 297720  
 gtgcatgctc cctgaatgcc gtaagtctg gagctctca aggcccatca cttctatgtt 297780  
 cctgagtcca gggagccccg aaccagccag tgctaatact gctagatcct agaataacat 297840

ggtttgctgg ggaagagttt ggggtttggc tttcagtgtt tgcagttact taaacactgc 297900  
 agtcagtttc attaatgaa tgagaatccc actaccgtct acagaacacc caaagttaag 297960  
 gtctctgtga agtctaatg acagacacat acgaaaaaca gcacaaagct caataaacct 298020

tagttctttc cctcctctcc cccaacaatt ataggcttgc ctgacccatg gattttccaa 298080  
gcattttaat tctattttcc ctgtgacat ttttaattccc catgaccaga ggctggacat 298140  
taaatcaatg actcctgcag actggtgaaga aaaccagcaa gaaaacaagc caagtctca 298200  
aaaactcacc ccaccccgct ccactcccag tctgttttc caaagtctct gcgatcagct 298260

gtttatatta catgggacta atctccaagc agagcaagcc agtttcttg gctggtcttc 298320  
caagagctgc ttttttgggt ggtaaaaggg caggcacact ggctgtggct ctggccccc 298380  
ccagcatgta ctgacgtcg ttcctctcc ctcccctagc tagtaacctt cagccgatga 298440  
ctcagcacct ctgttctca gtttctccat ctgtaaaata gcaggaaata ctctctaggt 298500  
tgctctgagg atgaaaccaa gtaattggc caaagtatga gcactggaca tggcaaggat 298560  
aggccttact taatccctgc tccatgctcc agctcctggg ttgttttagg agactcagcc 298620  
atgggtggag gtaacttga ccaccacta gagaaagcct ggggttttca gtaactaaga 298680

ttggcccatg gttcaggcca gctcaccaga gttggggccc catagccttc tgacttagag 298740  
tgcttgggt cactgaagt aagggagaag aaaatgaaa tttatggagc acttacaggg 298800  
ctgggagcat ctcatttaat ctttacaacc taatgaaaa aaaaatacca tgatcccat 298860  
tttgagata agaaagctgc ctgagcttcc acaggcggga taaaagaact gaaactgtt 298920  
aactaaatga ggacatctaa gtccaccacc ctgactttgg ccttgcaaga ccaacagaga 298980  
gcttgaata attacctcc ctgggacaca tctgacagt caaactgat tgttattttc 299040  
ctttcacatt tatgagatgc tggcttagta agaatttact ggatctgat aaaccataaa 299100

gcaccacttg ctctgaccc tcttctctac tgaatgtccc atttctggct cctgtgtttt 299160  
ttgcatagac caccatatat agaacacagg atgatgtga gaatgaaaag ctgccagggt 299220  
gtgttagaac cacaatgtcc ttggtattgg tccacaaggg tcagccgct ttagcttgtt 299280  
gacttgttct ctcaaagag cagcaggggg cttgctggcc ttgctctgaa aaatatcacc 299340  
agtgagtttg ggactgtggg aagctattct gtacttgagg ctgatctgac aatattctag 299400  
ttcacagagc agggcaagag gctctgaaca cctctgaaa gtcctccaaa gccttctga 299460  
gtcatagagg gagcatagaa tgggtgatga cctggcacca atctgcctc tgctgcttac 299520

caaccacagc ggctgaagtc agcctgcctc ttggagcct cagtttcttc ttctgtaaaa 299580  
tagcatgaca cagcacctgc ttgcatccc tcataggett gttgagatgt tcaaaggaga 299640  
gcgtgacat atcttgttcc agacatgtga tacactcatg cccatctgtg tcttgccagc 299700  
cattgactgt gagctcaccg agtggctcca gtggtcggaa tgtaacaagt catgtgggaa 299760  
aggccacgtg attcgaacce ggatgatcca aatggagcct cagtttggag gtgcaccctg 299820  
cccagagact gtgcagcgaa aaaagtgcg catccgaaa tgccttcgaa atccatccat 299880

ccaaaagcta cgctggaggg aggcccgaga gagccggcgg agtgagcagc tgaaggaaga 299940

gtctgaaggg gagcagttcc caggtatggc tccaagtgt cagcctgggt ggtctccagg 300000

acaggcaggg ttctgactg ggctaagtct tggacctgtt taaaaaaaaa aaaaaaaaaa 300060

aagtcgggga gagtctgcat cttctggagt cttcaggcca catittgatt ctttagatcc 300120

aagtttgttc ccaaatattg agcaagcata atttataaag gagattggcg gtgggggtca 300180

tttatcaaag aacatttaga taacctaat acctgccaaa aataaatttt caagcaaaga 300240

atcttttaga attacagttc cttctttaca cacatataaa accaataatg tgtccaactt 300300

tgctcaaagt cagttatgac ttagcaacac cattcactcc ttgcaaagag ggaaaatgat 300360

acagatgtgt caaaggagtc ttgtcttggt catcatttag ggaatgttcc tgagaacctc 300420

ccagaacaca tcatcttcca ttttaagggt gtggctcaga caaggcagcc gtggcctgag 300480

actttatgat tttttttg caggctaacc agaagtttat cagcagtgtc atgtcagcct 300540

tgagttttat ttcccaaat aatattgatc caagctgaca aataactaat agaacaatgc 300600

accaagtgtc caggagctg aggaatgagc atcatcttac attgactgga gttcaggag 300660

atgtcagagc agggaaaact agagtgggtc ttgaaaaatc tagaggagtt tgccacttag 300720

aaaagtlacat tccaggccgg gcacggtggc tcatgcctgt aatcccagca ctttggtagg 300780

ccaaggcagg ccaatcactt gaggtcagga gtttgagacc agcctggcca atatggtgaa 300840

accccatctc tactaaaagt acaaaaatta gccgggcatg gtggcgaca cctgtaatcc 300900

cagctactca ggaggtgaa gcaggagaat cacttgaact ggggagcag aggttgacgt 300960

gagccaagag cacaccattg cactccagtc tgggcaacaa gagtgaact ccgtctcaa 301020

ttaaaaaaaa aaaaaaagaa aagtacattc caggcagcaa gaatagtcac taaaaggca 301080

cagagatgcc aaagaccatg ataggtccaa gtgataggtc caagtataa atgggatgca 301140

gatgaagcac agaggacaag gcaggcagga aaccaggctg ggaaggcagg gaccagacca 301200

cacaaggcca gtggcccacc aaggattttg ggacctgatt ctgtaggtgg ttttaagcaa 301260

gagggtgact gtatcagacc tgtgttgact gatttgggga tggcaaacag acacagaggc 301320

cagatagggt ttattttgaa cccaagagaa agattataca tccccaaact ccagctaac 301380

ttcagagttc caggacttca gaagaaaaag aaaatgcctg ccagggactt cagtgtgaa 301440

ggtgccccatg taaaaaagtg aagattaaca tgtacatcaa gttttctgat ttttaaaggc 301500

ctattctttt tgaagcatga ggatctcctt gatggttcag gatccttatg attaggagc 301560

gttttgcata tcaaagtgtc gtctgttcta catggtagtc agccagtcaa caaacattca 301620

ttaaagccta ctatgtggca ggtacatagt tgiacggtac attcctccat gactcttagc 301680  
 tgtagtgtgg ttaacaaata tctcatgtgt aaccataaat gtggtgggtt ctataaaaga 301740  
 ggaatctaga gtgctatgga agcagtaatc aaaagatcta acctaattaa tctctggggt 301800  
 cagggaagtt ttcttggaga gcagcatgtt tatgctgagt aggaagaaca aaaattgtac 301860  
 ttctctatac ttagcatttg ggagccaagt acttggggag taaggcataa gagaaagtgg 301920  
 tttagtgttc cttatatggc tgctgcataa gccatcccaa aacagtcttt ttaaacaatc 301980  
 acttagcaag attctgtgga tcagtgatgt gaactgggtc cactggatgg ttcttcttgg 302040  
  
 gtctagtttg gactcattca tgtggctact actagctggt ggcacaattg gaccagacca 302100  
 gcctcacctg cgtatctggg gcctcatgag atggctgggg cttctctgca catggtctct 302160  
 ccagtggctc agccaggctt gcttacatgg tagtagaagg gtcctagcag cttttaggcc 302220  
 tgtttttgct catgtcccat tggccatggc aaatcatgta gtcaagccca gattcaagag 302280  
 gtggagaaac agagtctgcc ttttgatgag aagaaccgtg aagcatttgt ggccattttt 302340  
 ttgcagtcag tcacatacga cctaactgtc cctaataacg actctaacca atcattacat 302400  
 acttgagcag aggaggagcc cagacaagca catttcacag ttctactaga gttcagcatc 302460  
  
 cctgttccgt cccgtttctg cgggcctaac aaggcattct catgctttca ggttgttaga 302520  
 tgcgcccattg gacggcctgg tcagaatgca ccaaactgtg cggagggtgga attcaggaac 302580  
 gttacatgac tgtaaagaag agattcaaaa gctcccagtt taccagctgc aaagacaaga 302640  
 aggagatcag agcatgcaat gttcatcctt gttagcaagg gtacgagttc cccagggtg 302700  
 cactctagat tccagagtca ccaatggctg gattatttgc ttgtttaaga caatttaaat 302760  
 tgtgtacgt agttttcatt ttgtagtgt ggttcgcca gtagtcttgt ggatgccaga 302820  
 gacatccttt ctgaatactt cttgatgggt acaggctgag tggggcgccc tcacctccag 302880  
  
 ccagctcttt cctgcagagg agtagtgtca gccaccttgt actaagctga aacatgtccc 302940  
 tctggagctt ccacctggcc agggaggacg gagactttga cctactccac atggagaggc 303000  
 aacctgtct ggaagtgact atgcctgagt cccagggtgc ggcaggtagg aaacattcac 303060  
 agatgaagac agcagattcc ccacattctc atctttggcc tgttcaatga aaccattgtt 303120  
 tgcccatctc ttcttagtgg aactttaggt ctcttttcaa gtctctcag tcatcaatag 303180  
 ttcttgggga aaaacagagc tggtagactt gaagaggagc attgatgttg ggtggctttt 303240  
 gtcttttcac tgagaaattc ggaatacatt tgtctaccc ctgatattgg ttcttgatgc 303300  
  
 cccccaaca aaaataaata aataaattat ggctgcttta tttaaatata aggtagctag 303360  
 tttttacacc tgagataaat aataagctta gagtgtatit ttcccttget ttgggggtt 303420  
 cagaggagta tgiacaattc ttctgggaag ccagccttct gaacttttg gtactaaatc 303480

cttattggaa ccaagacaaa ggaagcaaaa ttggtctctt tagagaccaa ttgacctaaa 303540  
 ttttaaaatc ttcttacaca catctagacg ttcaagtttg caaatcagtt tttagcaaga 303600  
 aaacatTTTT gctatacaaa cattttgcta agtctgcca aagccccccc aatgcattcc 303660  
 ttcaacaaaa tacaatctct gtactttaaa gttatttttag tcatgaaatt ttatatgcag 303720  
  
 agagaaaaag ttaccgagac agaaaacaaa tctaaggga aggaatatta tgggattaag 303780  
 ctgagcaagc aattctggtg gaaagtcaaa cctgtcagtg ctccacacca gggctgtggg 303840  
 cctcccagac atgcatagga atggccacag gtttacctg ccttcccagc aattataagc 303900  
 acaccagatt caggagagact gaccaccaag ggatagtgt aaaggacatt ttctcagttg 303960  
 ggtccatcag cagtttttct tctgtcattt attgttgaaa actattgttt cattttctct 304020  
 tttataggcc ttattactgc ttaatccaaa tgtgtacat tggtagaca cataaatgc 304080  
 tctgaataca ctacgaattt gtattaaaca catcagaata ttccaaata caacatagta 304140  
  
 tagtctgaa tatgtacttt taacacaaga gagactattc aataaaaact cactgggtct 304200  
 ttcatgtctt taagctaagt aagtgttcag aaggttcttt tttatattgt cctccacctc 304260  
 catcattttc aataaaagat agggcttttg ctcccttggt cttggaggga ccattattac 304320  
 atctctgaac tacctttgta tccaacatgt tttaaatcct taaatgaatt gctttctccc 304380  
 aaaaaagca caatataaag aaacacaaga tttattatt tttctacttg gggggaaaaa 304440  
 agtctcatg tagaagcacc cacttttgca atgttgttct aagctatcta tctaactctc 304500  
 agcccatgat aaagttcctt aagctgggtga ttccaatca aggacaagcc accctagtgt 304560  
  
 ctcatgtttg tatttgggcc cagttgggta ctttttaaaa tctgatttt ggagacttaa 304620  
 aaccaggtta atggctaaga atgggtaaca tgactcttgt tggattgtta tttttgttt 304680  
 gcaatgggga atttataaga agcatcaagt ctctttctta ccaaagtctt gttaggtggg 304740  
 ttatagtctt tttggctaac aaatcatttt ggaataaag attttttact acaaaaatga 304800  
 aatttgtttg gacttccact tgagacagta aagagagtat tagacacca gtaaaaactg 304860  
 ccataataag aagttgtaat tgtttgtgt gtatgtattt tttcaatgc caaaccagct 304920  
 gtgatccaat ttacatccac attttaggtc caacagcaag aagttcagag agagatttcc 304980  
  
 caaccagaca ttgggtcact cactggtcac ctggccagt cttttatta gaagggaatc 305040  
 tgttgtagca aatgggaata aacctgggtt tctatagacc cagaactgaa aaaataaaca 305100  
 tctgtctgtt tttaatttga actttgcata ttgaacatat tttaggata ctcaaagtct 305160  
 atgtactccc tccaggaagt aaggatacat tacacattct cacacaacta tagctctcca 305220  
 gaaatagtcc aggtcaaggg catggctaaa atgtgctatg gcttgagttt gttcccacca 305280  
 aaactcacgc ttgaaatttg atcccaagg tggccgcgt gggaggtggg ctagtggga 305340

agggtttggg tcatgcaggc atatccctca tgaatggctt ggtaccattg tagtgaagta 305400

gttctctctc tagactgact tagttctcac agaattgttc ccaaggaggt aggttggttac 305460

gaagccagga tgcccttgg ttttgcctct tcaaacacat ccatgtcccc tttgaccttc 305520

cccgctatga cacagcatga aaagccctca acagaaatgg agcagatgct ggcaacatgc 305580

ttcttgtact tctagcctg aagaatcatg agctaaataa aataaacctt ttttctttat 305640

aaattaccca gcctaaggta ttgttatagc aacattaaaa ggactaagat gagtatcaat 305700

acacaaaaat tctcaaagtc aaattatttc tgtgacttat tttgttttag tccacatttc 305760

agacaatggt taaaaaataa aatttttttc tgagatggag tttcgtcttt tttgcccagg 305820

ctggagtgc gtagacacgat ctgagttcac tgcaacctcc acctccccgg ttcaagcaat 305880

tctctgcct cagcctcccg agtagctggg actacaggcg cccaccacca cgctggcta 305940

atTTTTtga tttttagtag agacagggtt tctccatgtt ggtcaggcag gtctcaaact 306000

cccaacctca ggtgatccaa ctgcctcagc ctcccaaagt gctgggatta caggcgtgag 306060

ccaccacgcc cagcaaaaaa aataatgttt taaataaaaa atccagcctg ggcaacatgg 306120

caaagccctg tctatacaaa aaatacaaaa attgtctggg tgcggtcact cacgcctgta 306180

atcccagcag actttgggag gcggagacag gtggattatc tgaggtcagg agtttgagac 306240

ttccctggcc aacatggiga aacccgtct ctactaaaaa taaaaaatt agctgagcat 306300

ggtggtgtgc gactgtatgc ccagctactc aggaggctga ggcaggagaa tcaattgaac 306360

caggaggca gaagttgcag tgagccgagg tcgccaccac gcactcaagc ctgggcaaca 306420

gagagactgt ctcaaaaaa aaaaaaaaaa gccagcatgg tgggtcgtgc ctatagtccc 306480

aactacactg aaagctgaga tgagagaatc acctgaacct aggaggtagt ctgctgtggg 306540

ccatgttcat accactgcac tccagcctga atgacatagt aagactctgt ctcaaaaaa 306600

atcagaaagc tcaagacctg tagaaaggcc tctctcagc ttataatgga atctgacat 306660

taaaagagct cagctttgga agttcagcta caaaggagct aaatatttat tccctaacga 306720

tagactctgt tgttcaaaca aacaacaaaa aaaaactaaa cattaatgtt taatccttaa 306780

ttataacata gactcaagga agacacagtc atttctctta tttgttatg tgatgctatc 306840

aattttaata agagaatgat tcatgttgtt ctcatattg cccaatgtag ggagaatgaa 306900

taaaaataaa tcccttttga aaatgagatg cagtaacaaa ttataaatag cagccgaatg 306960

ctaattagca tgaagctaat tcttcaattt acatcctttg aaatctgaaa gcaaaagatc 307020

tactactaaa tgtcaaattt aaataatgac atcctgcttt agaaaccctg ttgggttcaga 307080

aggcttcaca tgctctgtag ggtggagagc agaggctgtg tcatggttca gtaccacgga 307140  
 cctaggttca aaccactgct gcacctgagt acccatgagg gttggggcca gttatittac 307200  
 cttttctggc cttaggcttc gacacaaact ctctctact agcagacacc tctactccac 307260  
 ctccacaatt tagacaattc ttacacgtgg gtcttgatgg tatcctgttg taggactcat 307320  
 tgaaagccaa ctgcactcca cccaacctc acttcataaa taagtaaatg catgcactgt 307380  
 gtgaagctgg tttgggttgc atttctgtca cttataactg aaaatgtcat gacaaataaa 307440  
 atatgcatgc ataattttac agttatcaga gcaaaatgaa atttgtcttc acttaacatt 307500

cataatattc ataatgtctt aacataagat agcactcatt aacattttct catactgttc 307560  
 taaatactcc tagtctttat aactgattgg taatagtctt catatittaa gcagttgcat 307620  
 gtttaagcaa tttttcttta cctcaaataa tctgtaagta ttacacagaag ggaaaagggt 307680  
 gaaaacatct tattcaagtc tactgactcc aacacctgga gttggtataa acatagtccc 307740  
 tctttttcta gtgttggaat gtaactgtta ctcagtgggt ctaacctgga atcactagcc 307800  
 tacagaggaa gtcaaaagcg ccacctgtga aaaacactcg actctctgc tcccttcccc 307860  
 actacactag tgctgcccac atcaagacct gcagcctgat aagatccaca aatgagataa 307920

agaaactgaa agcaagtgtt tagaaactct taatttgaca ctgccatgat atacaggaga 307980  
 atgattatit tccaaataat tcatttttta taacatttag aaaagtatca gtccacaaca 308040  
 ctggagacta acaatctttt aacctggccc tccaatgcag ataagtcttg agaagctgca 308100  
 ctgtgccact ctccccatc agagaggcat gtgctagagt ctgcgaacta ggttttctaa 308160  
 tttctcaaac gctgaaggat ccagggtgtga atacatagtt ccagatctgc atacctccct 308220  
 atctgtgatt aagtaacttg cagtggctta ttcttattcc tctaacctcc taccctgtaa 308280  
 aacaagataa ctccccatc ttgcctgtct ttgccacag aattttctca aatagcccac 308340

acttacttcc tccacatcct tagcttccaa tcacacctca actcactatc atctggtttc 308400  
 cacaaccaga agactgaaat aaatctaagg aagtcacag caaccgcaca agaccagtgc 308460  
 agcctctcac tccccatcc tctgcacagc actcaatgct ttccaccacc tccgtggctt 308520  
 ctttcacaaa acagcctcgt ggtttctctc agtttttgge tacttctctt ggctttttgc 308580  
 tgcctcttca tcttctacct cccatgtttg ttttcccaa agttttacc ttggaccctc 308640  
 tcctcaaaac ctctcttctt ggaggatatt acccattctt atctctcaa tcaactaagct 308700  
 caaaagagac aaatttcaaa tctgcattcc tagtccgagc agcctctttt gacctccaat 308760

tccatttccc cattccaaa tgcctcctgg actaacctg tatgggattg tcacataaat 308820  
 ttctatcact agagagttag ctatactctt tatitttaatt aatagcacca ccaccttctt 308880  
 ggtcatccag acagtatitt ggagactcaa acatcacttg gatatccctc cagtgttcag 308940

tctcttctc cccatgtcac tgcagttcag gtcttcattg tctctcttc tgaatcacc 309000  
cattcatcaa atggcttttc agcacatgcc aggcaatata aacacaacag acgtgattct 309060  
gccctcactg agtttataat actaagagaa cagattccat gattccaaca acctctatct 309120  
gaccacaaaa ttigcacttc tctgccatta tgcaccact agattagatc caggcacctc 309180

ctgttcagaa tccttggcag tttccatta tacacagaag ggccatccta tttaaagccc 309240  
tccacaacct gatcccagtc tattttatca ttttttttc ccattgcatg tagaatcttt 309300  
ttaggccaag gtccagtc agaatacacc ctgcattctg ccaactctgg gcctttctca 309360  
tctttccacc ctactcttc tctctctcc atctcaaatc ctaccaatcc atcgagctcc 309420  
agcttaaaaa ccaattctaa ttaagaagt cctcagatt ttccaggaga aatatatgct 309480  
acaatccctt ctgctggaca acactttttg aatgcttttc ctactctgcc ttgaaagtgg 309540  
gtcccagcat ttgtttttat cactctaaaa ctctctgcac tagactctga gtaatttgaa 309600

aaaaaaggaa aatctccaca tttatccatt tccccagaat gcctattact gccatgcaca 309660  
aaaaaaaaa aaaaaaaaaa acatgctcag tcaagtattt ttaattaaaa taccttttgc 309720  
taaaaattac ttgaaattt tagaagcaat cactggttaa atacccttaa gtgattaagt 309780  
gatgtgtttg aaaaagacca ttgattatc atctccttct atttacctgc cagttatctg 309840  
gaggttgttt gcttttttag acagtttgc tctgtacca ggctggagtg cagtggcaca 309900  
atcttggctc actgcaacct ccacctcgg gggtcaagcg atctctctgc ctgagcctcc 309960  
caagtagatg ggactacagg tgtgcaccac cacaccagc taattttttg gatttttagt 310020

agaggcgggg tttcaccatg ttagccagga tggcttcaat ctcttgacct catgatccgc 310080  
cagcactttg gaaggcctga ggcaggtgga tcacctgaga tcaggagtgc aagaccaacc 310140  
tggccaacac ggcaaaactt catctctcct aaaaatacaa aaattagcgg gctatggtgg 310200  
cgcatgcctg taatcccagc tactcaggag tctgaggcag gagaatcact tgaaccaag 310260  
aggcggaggc tgactgagc caagatctg ccactccact ccagtctgga caacagagca 310320  
aaactccatc tgaataaaa taaataaata aatagataga taggtctca ctattaggt 310380  
gatcacagga tcatagctct actgtgcct caaacttctt gggtctaaat actctccca 310440

cctcagtctc cagagtagct gagactgcag acacatgcca ccatgccag ctaatttcta 310500  
tttttacttt tttatggaga caggatctgg ctatgttgcc tgggctggtc ttgaactctt 310560  
ggcttcaagc aatccacgtg ccttctctgc tcaaagtgtt gggattagag gcatgagata 310620  
ctatgcttgg cccctactta cctgttaagt gggatcatta cgtatagcgt acagctatgg 310680  
gaaaagaaat aaaaatgaatt aaaacaagt gtgataaaca gaagaggagc aagctagaca 310740  
aagtatatac aaccttgta catcacattt taaaagtcaa atgataaaat agtcaataag 310800

ggcacaatct atgccaataa gggcataatg tccaactctg agatactgta aatctctaaa 310860

caaacaatat agaagaaaa cacctagaac acaaattcat gaccatccat tcaggaaatg 310920

ctgtctgaaa gaacttccac ataaagagac ttaagagatt ctaaagaatc gctcaaatgc 310980

taaatgtgct ataataaagc agggctggca aaccatggcc tgtgggtcaa atccatccca 311040

ccatctgttt ttgtacagaa tggttttcac aactgcaaaa agagagtcatt atttcatgac 311100

atatgatgat gacatgaaac acaaacatca gtatacacia agttttattg gaacacagcc 311160

acattcattt agacattgct tatggctgct tcagtgtctat aatggcaggc tagactagtt 311220

gggacagaga tatagccgcc aaagcccaag atgacactta caatctggcc ctttatgaaa 311280

aaatttgcaa acicccaatt atagagaaaa aatggccaca tagacaagga ctattcattc 311340

catgagactg tccactcttt ttaagaaaag tttcaagtca gagatttaaa aagctacaag 311400

gcaaattggga aacatttcaa cttccaatca caatggagta acaggaacca gattaaccct 311460

cctatcttag acaatttaaa aactggacta agccgggcac agtggctcat acctgtaac 311520

ccagcacttt gggaggctga ggcaggcgga tcacgaggtc aggagtttga aaccagcctg 311580

gccaacatgg tgaaaacccg ttctacttaa aaatacaaaa attagctggg catggttgtg 311640

cgagcctgta atcccagcta ctcaggaggc tgaggcaaga gaattgcttg aacttggaag 311700

ccagaggttg cagttagcca agatcgacc actgcactcc agcctgggca acagaacatg 311760

actttgtctc ggaagaaaaa aaactggact agtcgggtgt ggtggctcac gcctgtaac 311820

ccagcacttt gggaggccga gggggcgga tcacctgagg tcaggagttc gagaccagac 311880

tggccaacat gatgaaagcc catctctact aaaaatacaa aaattagcca ggtgtggtgg 311940

cacatgcctg taatcccage tattcgggag gctgaggcag gagaattgct tgaactcaga 312000

aggcggaggt tgcagtgagc tgagatcgca cactgcact ccagcttggg caatagagca 312060

agactgtgtc tcaaaacaaa aacaaaaaca aaaacaaaaa ccctagacta aatacattca 312120

gacattgtac accaggtagc aaaggactac aatcctgatg gaagggaag aagttgggta 312180

agcctcaaca ctgccctggc catctgcctg gaggcacatt ccagactgta gaggggatgg 312240

gggattccat gtagaacaca aatgtttccc tgggctgaaa ggagacatta aagaacagga 312300

agtctgaaac aactagaagt cacaggacaa agttgtgctg agaagacagc tacacataaa 312360

aagagatcca aaaacatgca tagagtttat gactctttgc tgactattaa gatacatatg 312420

tctagatga aaactccagg aggttgggca aagaatgacc caggaaactgt gaatagaatt 312480

gttcctaga gctcacacgg ggctgggaat tctttgagtt cccacaagcc aaattgataa 312540

ttcaggcat tcagcagaca gacccccaaa gggtcatact ttagtagtgg agctaaacta 312600  
 gcctgggaaa aaggctactt gagactgtat tagctttaaa agagatctcg aaaggatcaa 312660  
 actgaactgc agtcagtaaa ttaactatca gaacgaaacc caacaaagac gccacaacaaa 312720  
 tctagatacc caacaacata aaatacacaa tgccttcat ccaacacaaa cttacttggc 312780  
 atgtgaaaaa acaaaaaaaaaa tgtgacctat aactagagaa aaatcagtca gtagaaacaa 312840  
 atccaaaat tatacaagca atagaatcag caaagactca aaacagctat tataactaca 312900  
 ttcaaatatt caaagcagtc ttttccaatc acagttctgt aagagaattg agccccacag 312960  
  
 aaagtatttt gaggaactat tttctttatt ttccaagga tggtagatgg ctgtgccatt 313020  
 ctagatgcaa acgtacaatg caaattttcc agatgcaaat tgggccctaa tgccgtatct 313080  
 gttgtgtgtt aattcagggc tcaatgttct gcaaaaccag ttgagagggg ctgggtaaga 313140  
 ggaatacatg aacataatga ggagaaaaac aaaatatata tatatatacc caaacataat 313200  
 ttccaggggg aaaaaaaccc acaaaatcca aaatgaaaat tcaactggata ggattcatag 313260  
 cagattaaac agcagcaaaa gaaatggtta tggggatcgg gtgtagtgcc tcaagcctgt 313320  
 aatccaaaca ctttgggagg ctgaggtggg cagacagctt gaggccagga gtttgagacc 313380  
  
 agcttaggca acagggcaag acctcatctc tacacaaagt ataaaaagta gccaggtgtg 313440  
 gtagaatgtg cctctgtagc cccacctact caagagcctt aagggggagg atgactttga 313500  
 gcccaggca ggttgcagtg agccaagatg gcgccactac atgccaacct gggcaacaga 313560  
 tcaagacctt gtcttacta aagaagggga agagggaggg gaagaggaag agggagggga 313620  
 agggaacaag cagggaggga ggaagggagg gagagatgga gatgggactt gaagatgtag 313680  
 taataaaaac aatccagcca ggcacggtgg ctcacgcctg taatcctagc actttgggag 313740  
 gccaaagtgg gtggctcacg aggtcaggag ttcaagacca gcctggccaa gatggtgaaa 313800  
  
 cccacctct acaaaaatta gccaggcata gtggcaggca cctgtaatct cagctacttg 313860  
 ggaggctgag gcagagaact gcttgaacca tggaggtgga ggttgcagtg cagatcacgc 313920  
 cactgcactc cagactgggc agcagagcga gactgtctca aaaaataata ataataatac 313980  
 aaagtaaagc ataaagagga aaaaaggtaa actgagataa taaaagttga tgggtttctc 314040  
 attaatctg gatattatgt aagcaatctc gttatctgaa gttaactaaa acaataaac 314100  
 tttgccaaact gaaagtacta ccaaggatac atgatatgac tacagtaaca aaagccacag 314160  
 gataaacatg gtatcttctt gggcagtaat tgtactagaa gacatggaag ataattccat 314220  
  
 atcaacatag ttatactatc aagtacagtg cataattaca caatttttt ttttgagaca 314280  
 cagtctcaat ctgtcaccca ggctggcgtg cattggcacg atctcagctc actgcaacct 314340  
 ctgcctccca aattcaagtg attctcctgc ctacgcctcc caaatagctg ggattacagg 314400

cacccgccac cacaccagc taatttttgt atttttagta gagatggggt ttcacatgt 314460  
 tggtcaggca gtctcgaact cctaacctca ggtgatccac ctgcctcagc ctcccaaagt 314520  
 gctgggatta cagggtgtcg ccactgcacc cagacaatta tattattttt actggtcttc 314580  
 aaataaatgt gtgtgtggct ttagctgttt tcagtttcat cttcatgggg tatctgtgta 314640

ggtattcacc ttcctctaca gttgggtttc tatatcagga gcacttcata gaaaaagttt 314700  
 aagaaacacg gacttaagta aatattcaac aagtcaaaga acatcaaact gtttcacatc 314760  
 ccctccacct gcigaatgac caatgctgac ttctagattc aaaccctaag gcactggaga 314820  
 aaaggaacag agctactaaa gtaagtttca ctaacacttg ttccttaag aaaccactta 314880  
 attaacacaa tgagtaatca aacatcatct tgtgataaca gatcaatttt aattctagca 314940  
 cctgaagcta tacaagggtg tgctctataa acttcatggg actgttgtac acacttgata 315000  
 aagtgacaac tgtgcaatc cacttagcat ctcaaatca ggaacatact attgaattgc 315060

ttaaacacaa tccacagaat taaaaacaaa atcagatgcc atccacagtt atactaatta 315120  
 tccattaaaa gcttacactt aatacttgaa ataacaatca atatctagca gggaatactg 315180  
 aaagtgattt cagagtctca tcctgttgta ctctattggg aaggtttctt gagtagttat 315240  
 gtgactggcc aaagatgggt acaaccaaga ccagaccagc aagtaaaagt tctaccacag 315300  
 tttctgtagt ttccacttgt ttttctttgt cagttaaaag tgaacagtga gaattaaata 315360  
 ctatcttta catatacaca aggtatgcta tgaaagcata tctgcttaca aacatataaa 315420  
 aatacttggt aactagtttg ataagaaaat aatgtataaa agtatatagc aaaaacatta 315480

atcatctctg accctggaag gatcaattcc atattttata ttacaacaa aaacagtttt 315540  
 agttttttga atcccttacc cagaaatact tgaaaaggaa gacagaagga aattattcct 315600  
 ttttaccctt agcgtggctg tgaaaaagag ttaaattaaa aaatcaagta cactgaaata 315660  
 tctaagtcct aaatgagtc aaatatitga ccacatagaa tattatcacc tccaagagta 315720  
 ggagtagtaa cacagggttt tataagcagt ttttaatcca taaatacaac aggcatttgg 315780  
 tattttggcc atcagaaaac aaaagttgta gtatcagtaa aggtctgaga tggttcactt 315840  
 ttgtagattc aattcagtg atttaagggt aacaaaggct gacattgaaa tgtttaaaga 315900

taggcaaaaa ttcacattaa aaaaaacct atatttctat ttagagtaac agtaggcagt 315960  
 atgattccaa agttaaaaa ttatttcaca acctgtagct tcagcttggc aaacagctta 316020  
 gattccaaaa ctgattcacc tctattaaaa tgtaagcact taaaaaaga gcatgtctgt 316080  
 gtatatagac atatatttta aaggaatcag ataacttttg aagcagcctt agtgtttcct 316140  
 ttaaatttgt ctggaaatga ccattgtatt agcttcacag aaaggactag ccagcttctt 316200  
 cgtctaaggc taacatgggtg atcatttgc taaggctaga aagglacaa caagatgtaa 316260

actgaggaga gaaagagaag atgagggcctt ttcctggccg ttggtagcta aaactgaagg 316320

gattctagaa aatgacacaa tggcagcctt tcttgtcttt tctttccgt gttggttctg 316380

gtgaaggagg acatttctgc tcttgaaatt tctgtgaaga taaaaattc taaaatataa 316440

ttgccttctt ggtaatctac tattacaaac acaggttatt ttttgtacaa gttcactttt 316500

aagtgtgtat gcttttcagt gttaaacttc aacgagggaa tttctctctt tcctaccccc 316560

accaaaaaag ggcacaaacg cgtcaacacc agcacaagca gagctatgaa gctgctttaa 316620

tggatgagtc ctgaatcaga cgagatacta gactcagtaa tctctaagtt cccatcccaa 316680

tttgaaattc catgactcta aggtatcctt aagaataaag attcatcatt agagtgaat 316740

ataaaattaa ccttatgagg tatgcaggtc ttatctgtgt tctgccattt tttaaattca 316800

gtattagaca aagttagtgt acctagtctg agccccagtt ttttagagg ggaataatgg 316860

aaacctacct ttcacagctg ttgtgaggat taaagatctt gtgatgttag aatatatcta 316920

atagctcctg gcattaaaaa caaaacaaac aaaaaacctc ctctacttct cccctcattc 316980

ctgaattact gatgggtaag gagagatcct aagaaccaa acaaaggaca acatttcaaa 317040

acggcagtca taattatfff aagaaggcac tgcctcatca gttgcttaac actaaaatgg 317100

aactggaatg ggaaaggggg gtaaaataca tataacataa aattttccat cttaatcatt 317160

tttaagtata caatttgatg gtatcaagta tatgcatgat gttgtgcaac catcatcgcc 317220

atccatctcc agatctcttt ttcattttat aaaaccgaga ctcttaccat taaaaaaaaa 317280

tgggactggg atttttaaca aactactaaa aaagaaaaag ctataacctt cacttttttt 317340

tcctccacag aaagacaatg ccttggcaag gagctaataa gtagaagatc atcgctcagg 317400

tgtcaattta ccttagatac aaaataaata cgagcccag gtgcggtggc tcacgtgtga 317460

atcccagcac tttgggagcg tgagcggggt ggaacacgag gtcaggagtt cgagaccagc 317520

ctggccaata tgggtgaaacc ccatctctac taaaaataca aagattagct ggatgtggtg 317580

gcaggcgctt gtaaatccca gctattcagg aggctgagcg agagaattgc ttgaaccag 317640

gaggcggagg ttgtaatgag ccgagatcac accactgcac tccagcctgg gtgacaaaga 317700

gaaactctgt ttccaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagcagc ccattcaca 317760

ttcctatcaa actgtctaac tagcagagaa tcccag 317796

<210> 14

<211> 526889

<212> DNA

<213> Homo sapiens

<400> 14

tttcttggct taaacttcat gtaattgagg ttatttttac caaaaattct acactcttgg	60
cagctttaat aacagaatca tatacaatac acaaaactcaa gcacatgaaa caaccaggga	120
gatctgccga agaggattta gtccaagcta atatccagtc aatgacccag gactcatgaa	180
taaccattat tticgaaact agtaatgtta tcgcaggctg gagacgcaaa gagggccata	240
cacccatgcc atgtgaattc agtctcattc tctcccgtaa gtgtgagtag ccaacgggcg	300
cgccatcagg ggtgaaaaat ccctagggtt gcccaattagg gagctaggca ttatgggaaa	360
ccagggtcca gggaggggct taggggtgtt agctgccttc ctgcggcatg gagggggcag	420
actgttagca ccgtcagggc gccctgactc ttctgtggtc acttgtcagt ggcgtcattg	480
aataaaaaac ccttgactct cttttctatg agaaccctgc aggttttgag aggcagcttc	540
agcttctcac aagagctgtg gcccagaaaa aatgaagtct cccattactt ataacctttc	600
agcatttcag aggaaaaagg ttggcgggtgg ctgccaagat ccagcaaata ttgggttagc	660
ttggaaagaa tgggtgtctca tttttcaatt ctcacagatt tctctatgcc cagttctttt	720
tattaaaaac tttaaatcca gagttacagt cgaatggcac tgcaggctct aagcattcat	780
ctgtatccca gggagcagaa tccaggatct aaacaaagaa aagtttaatc aatagaattc	840
atgaatttcc tctaggaata ggaccaacg tagcagaaga ataagcagag gggctcctat	900
ccatgggttt ctattagtg atatttctgg gaaggacttt ggagaatacc ctttcaattg	960
acgagtgtcg gcaaactatg gcccatgggc caaatcctgc ctgctgcttt ttagttgag	1020
ttttgttttg gtacagcctg ttgagaaatt tttaaacttt catgtagagt tgaaaaaat	1080
caaaagaata ttccacaaat atctgaaaat tagatgaaat tcaaactgt ttgtaaataa	1140
ggttttattg gaacacagcc acatccattt gtttgcataa tatctacggc tgttcttgaa	1200
ctacagtggc agagttgagt agctgagaca caagaccaca tagcccccac agcctaaaat	1260
gtgtactatc tggccctttg cagaaaaagt ttgcagagcc ctcaaataag aatgtaaga	1320
gttgctctc actattattt gaactaaaa ctataagata tataatgcagt taactaatca	1380
taaatcaaac acttgtataa gctaacactt gactcaagaa ataaaacatt gtccatcaat	1440
cagcaccag aagtcctcca tgtgttcttt ctctccacc agagctatga gcctttgtga	1500
cattttcctt gctgttcttt gtacttctac cacctaaact ctgttttgcc tgttttcaa	1560
ctgtatataa acagaataac actgtatatt tgcctttgag tctgtttctt tctctcaaat	1620
ttgtgagact cagctctgag ttgtgtgtgg ctgtcgtcct gtcatttctt ctgttgtcac	1680
ttccatggca tttcactgtt acttaggcaa gcttcatttg ttcgttttac tgttagtgga	1740

cagttggatc atttctcggt tggggctgtg gtaaataaca ctgccataaa catctcgta 1800

ttgagccatc attgatttaa gagtcttttag aaagtagtgg aattgctggg ctgtagggta 1860

tgcggacttt caactctacc acctgatgcc aatTTTTTct ttgaagaggc tggacaaaat 1920

cacattccca ccagccacct ccttttagga agctgaggag ctctttgtat gttatcagca 1980

ctattcttac ctccacaacc ctggacctaa tggcgcctgc tctctgacct tgagggacca 2040

gacaagggtc atgggaccat cgtecccttc agtttgatc ttctcttaaa acaattctca 2100

agtcttaaaa aaaaaaaaaa aaaaaaaaaa aagcagcaag aaaacagtca actttctaag 2160

attggtcctt gagatgtgat ctcttttga ttcacatgct tggctagcag gtaaaccaga 2220

tgtgagaata ttttgacaca tcccccata gatgggagct gaggaagaaa gctcatcaca 2280

gccaatggga caggtgggat tctaaagcgt gcacagtga caggatgagg aaaccaggga 2340

aatggtaacct gcccctttct ccagggaatc agattatatg atcagggcac cagatcatgg 2400

gaagctgatg ctgtgtctt tctctgaagg gtttgggaaa acagggtga aaagaccccc 2460

tcctccaact gtcagcttgc tgaaaccca gcaactgggag taccaagcac tagaggcatt 2520

tctgaagcat gatgtagcgc tactttgaaa aggcacaaat aaaccccaaa tcctagcaca 2580

catttatccg gtttgtgaag cagattaata gaataacaa taaaacatgt ataaaagctt 2640

taattaaatc tgatgaaata aaacttcatg ttttatttat ggacactccc aacatgtaaa 2700

ggactcaggg agacattcat ttttactgcc atttctcct catactata attaaatcca 2760

ggctacagct ctggcccaaa gcaatgcagc attttaagc tggacttgaa cattccctcc 2820

cgcatcatct gcctttaatt ataattacca ttcccagtat gtaagaggct gatggtaaaa 2880

caaaacaaaa aaacaaacaa acaacaatg atggttgcca ttgtgtttta aaccgacagg 2940

ctgaaggagg attttaggca ggaggcgctc ttctctatct ccagttttat tctgtaccaa 3000

gtgcacaatc ccttcatttt acttttgaca taaaaaaagg acttcatgaa caagacaaaa 3060

taacttatga ttatatgaaa cataactgtg acaaatcaca aaactataca tattaataga 3120

aaaaagtgtg cctaattctt taaaagattt atgacaataa gcaccagatg tgcctctaga 3180

glaaaatcgg ccccatatcc agtatgatat atgcagtca tttctctacg tgagtgtata 3240

taactatgta caagagtctg tgtgatttat ggaaaacaga tttccacttt tttcccccaa 3300

agtgccttat gtcagcaaca ttacacagga tactttgctg tctgtacaaa ataaatctct 3360

ttttacactc aciatctctc caatgagtgc tttttttttt ttgcttcac tgttgcaaaa 3420

aaaaaaaaa ataataaccg cagaaattcc acaccactaa caaaaagtgc tatttaaaaa 3480

tgcttcata aaatgacatg gccaaagacag tcaaataaaa taccaataa ttaaattgaa 3540  
 aatgtacagt tactattccc aatacttcaa ggcaactgga aagtcaaggt tctcagatga 3600  
 gggagttgaa ttatccttg ctcaaaattg gttttagggg ctactgtgct tgacggctgg 3660  
 taatttagaa acaactgaac aaagccaaca ctcttatcag tggtaactct gctgtgatct 3720  
 actaaagacc ttttttttc ttcttatttt atgatcgctt atgtaatttg agggcgacat 3780  
 gggtaatggg agatacccca caggacctgt aaatatttaa ataatttta acagctgac 3840  
 agaggctaaa ttacaactga cttttgatg cagtttcgtt agggaaattaa gacaatgcag 3900  
  
 ccaatgaaat gtctctagc agactgattt ttttttaaat gcaataggat aattgtcttt 3960  
 gcgctgtgtg ttttcacaag cactagtttt gtgttttggt tctgttttta aggggaatga 4020  
 caatctctgt ttggacattt atgaaaatgg ttacatatca agacttaaaa agaccaggac 4080  
 atgaaagga atgatttttt tgaagtttcc acttgtactg ctgcaaaaat aatgatgaat 4140  
 atatatataa atcttctgca gtgtgaaagt aagcaaggga caaattttta ggtcaggaaa 4200  
 gactctcgaa tctaagcata gtgtgtgtag tctggaaggc atctgaacgt gtctatcct 4260  
 gaggtcgcaa tctcaagcct gcagctatca ggaaagacc acggtgcggg aagcagggt 4320  
  
 gcactgggtc ctgtggccag catgctctct ctgagataaa atgtccctct ggggctccac 4380  
 attgatttcc tgcagaggaa ggagggtgc aggtgcctct attgcttacg cctcttttag 4440  
 agtccctctt gccctgtga ggtaagaaag gggcagggtt actgtgagag gccacaggaa 4500  
 gactggagcc tggttcaca gcagctctc tcaaagaggg aggtgatgtc catggtttct 4560  
 aaagttgagc ttctgtcttg tctctcttc cctttctat tttaaattac ataaagccaa 4620  
 aaggcagggc tgacaatgtc aactgcaata acaacctgc ctttcatct tttttctcat 4680  
 tgtacaaatg aaatgaaatg tattttgagt tccttgtaaa ggcttcata ttaagtatg 4740  
  
 aatagatggt ttctctgaag atagcagagt tttttcttt ccagagtatg acaaaggacg 4800  
 catgagggat gctactagct gtgagcatgc atatgttagg ccacttggtt aggccaagtg 4860  
 acacgacca caaagtctgc aggaagggtg gtactttaca agcagccttg gaggttcactt 4920  
 gtaaaggaag cctgggtgtc atcttttgta aagcagagca ggttttttaa agtggtaac 4980  
 tcatctcttt tgcagacttt gacgtctacg tgaaagcttt tcttagaata cagcccacta 5040  
 ctgagagaaa ctagattgac caagtgcact gtgaaaacaa aaccacact tggttcttca 5100  
 ttacatcat tctactgcat gttggaatga actctggaat caggtagaat acttccgctt 5160  
  
 gtgggactgt ggaggagac tggaaggacc gtgcagtata caaactgtca cagaatcca 5220  
 tctaactca agctgtttta gttgtcttgt tgaagattgt aatgatctca gtttgataaa 5280  
 tggcattgtt tctctttgt tcaaaaaac atttttaaaa agtgagaaaa aatacttgaa 5340

atatgatagt accagaatgt tagaacttac tgtgtctttg ggactggcca atttttatag 5400  
 ctgatgccct aggacttagg atctgtaata gctatgtaga ggtgtcacag aaaatgactt 5460  
 cctatttagg cttgatatit tgcaccaagt gctatgtgaa aattccaggc cttcaaactg 5520  
 gaactcagaa aaagaattgc ctctttctgt agacttttcg agaactgtca cctctacctt 5580  
  
 cccaagatga tcagacaatg gcggctgggtg gggatatatg aaccacagtc aggaagaggg 5640  
 taagagggat gcaaaaagag ggtggagaga agtgtaggga agagacagac agatgagtgg 5700  
 atatcctgaa aaacgttagt aaaatctgag cactggaagt caaglatcac taggtttggt 5760  
 tttccaaggg aagctggcac atgactcagt ctgtccaggt tctcacatct ggcacttctc 5820  
 tgggtgcagc accagagtgg aggcaatggg taaaccagtc aaacaacatt tttctttgaa 5880  
 cacagtcttt gaggtggagt tactaaacag tcaactcagg aaggttccag ctacaggact 5940  
 gttggtgcgg gaggtgcccc ctccatttcc ctccagtaac ctttgctaac tgcaaaacta 6000  
  
 acatgctaga ggtggggcca ggcagaacca cagctgtgca aaatgtctat agctgggggtg 6060  
 attacaataa taatgatttc catccaaagc acagaccttt acattttttt ttcattttaa 6120  
 aatacgtata aataactaag tcttttaaat gcaaaaacaa ggataggctg ctggcatata 6180  
 aaaccttatt tttctattga agagaaacac tgagaagcaa ctggttagca tgtggctaag 6240  
 agaaaagga aaccagga gtttctaaga gttgagacca cactatgctt tggacatgga 6300  
 tttcccttgt tgtgcctggc tttgcatcag gaggagcaag ggtgaggatt aggtgaggca 6360  
 ggtcactatg cctctcgtaa ttgaggtctt tttccctgtt tggagttttc aggtagagtc 6420  
  
 atcccaaac tacattttca tatgcacatc atttactgg ggtcctttta gggttgacag 6480  
 ccaggaagta acaggtatcc aggagagtga ggctctaaat tccctttgaa aagacagtcc 6540  
 tcctggtcac atagtccagg aaaaccagag agaaaaagga gcaactgtaa tgattcctgc 6600  
 aaagctagct ctgccattca gtccctgcctt ctgaaagaac atcagtaact ctgcagggcc 6660  
 cgctgattgg gctgacatcc ttcctcaagc agtctgtgag agtacgaaaa caaaaggtgg 6720  
 caagcaacat caaggtcctg ggtgtgcagg agtggccaag agagctttta gccttcggtg 6780  
 tagacagagg agagctggct aggacagcgg tccacggtgc tgatctgcaa gaaggtagca 6840  
  
 tcttcagccc cgctgcggag agactccca aagaggctcg aggaacttga aggtaaatca 6900  
 tacactggaa gagaaagaac gcagttaagt cagtaactcc tgccccatgc cagcccaact 6960  
 ggaaatgcac tacagtaatg cagctcacca agtgaggact gggggctaag gaggcaacca 7020  
 tgccagcctg ggcctatag tgagtctctg tttccagcga ccttagtgag ggaagaggct 7080  
 gacttgagg cagctggcta aaatatgacc acacaaaaga caggctgaga agaagtaaaa 7140  
 gaaaagtgtt ctagggaagg ctgggggtgg cctcaaaaag gagctggtgt taaggttgag 7200

tcatgaaaga gaatggaatt ctacacagatg aagaaatagg gaaagaacat tccagaagga 7260

ggaaacaaag agcaaagaca gagagggaga ggcatgtggg gtcaagggtg ctggcaaagc 7320

tcaggatgaag agcatgtagg gaaaaatatg tgtgggcagg tgtgcagagc tggatcaggc 7380

ctaacttatg ggggctttga atgccatgct ggagagtcga atttattctc taggcaattg 7440

gaaactatgt aatatatttg agcagaaaag aggcataatg tacccttcat ttgggggagg 7500

caatgttcat ggtagtatgg agggcagaat ggtaaagatg aggaatcagg tcaggagagc 7560

ttactggaag gttatggcca tagtctggga gagacatgat ggctcctgca ccagggtggg 7620

ggaagaagag gggctgaagg agggctggag gggaaggagg agatgagagc catttcaggg 7680

gtcgttcaac aggatttgat gcggcatgt gcttgggtcac gtccagccca ggtcggtcac 7740

gggcagccca cctggtctct cctgtcagtt gacaggatgt tctaagtcac agacaaccaa 7800

cacacctgta atgcccagat gagtcgagaa ggctctgtgg aaaacatcaa aactggcctg 7860

gccccatgat gtagggacta ggcagtcctc aaacgaaggc accacactgc aggagctgac 7920

aggcggcaca attctctggg aatcggggta gtgtggggga cagaacttct gcagctgccc 7980

ataaaatcct gaaacgcaag catggcattg agcacaagtt cctttgggca caagttccac 8040

agatcattcc aaccagcta gaacctcact cagcctggct tcctaagaca aatgccttta 8100

actcttaagg ccacctgtag aatcttccaa gcaaacattt ggaatgcact gttgggctga 8160

agctcttcta ccttagagga atttccaagc ttgttagtgt gtaatgtttt tattatgtgc 8220

tttagtatct gaagtgggaa ggcttcttac ctccctaga ctctctgaag agtcctggac 8280

attcaaggcc tgaccttcag gggagggtcc taccctagac tctcccgctg gcatttaaat 8340

gcatcttctt taacttctt taccctatat ttcttctgt ttccactg gttaaaatct 8400

tgcagaatgc tcttaaaaag gcccgcttaa aaatgcatcc atctatctgt ctttccaata 8460

gagaaataca tgcacattta gatcttatta tcttggttag gtagacagtg ttccatagtt 8520

ggatatactt aactatttct attgttgatc ttgacagtaa atggaaaaac tggaaagtga 8580

taatgttatg aaaatgttag aaaatacaac acaaaactcc aaaaaagaaa aaatatgaga 8640

aaagagtaat atttgaaaat aatcatcaac cttttgataa tcttatttca tctattcctt 8700

tcaatttttt ttccattcaa ttagtatttc ctgggggtcc catgtgggtc ttctctatga 8760

tcctccactc ctttcatgat ggcttacttt ttcttcttt ctcttgcct cataatacat 8820

ttaagtcaac agattatttt ctggagatg aatatgcttc tgaaaatata ataataaat 8880

cttagttccg tacattattg gagggagcat tgtggctctg ctgttaactc tctacatttc 8940

ctgtgtctg tctcctcaac cgtaaaatgt gaatgtcatt gtgtacttca ctgggctatt 9000  
 gtgaagatta agtgagtcatt tggataagga agtccatctc taacgtttta aagcacttta 9060  
 taagtgtcag ttattattga tatcactatt ctggttttga tggaaaaaaa gggattaata 9120  
 gaggaagtac cccaggattt ctccacaaa cactaaataa tggagaatgc agaacaacc 9180  
 catggacttt ggacccttat tctgtgtgc ctccctctac tagaactgcc tcttcttgag 9240  
 attggaaggc ttcatccctt attaaagaaa tgaaccacct atcaaaagag agggaagggtg 9300  
 ctatttaagt ttcttcttag ctctctttta gtaaaaccag ggtgaactga tacatccaac 9360  
  
 ctactatgct ctcaaccctt ctcatctccc attaggaccc acaatgtagc ctgtgtaact 9420  
 gctcagatca ccttctgtgg gacactggga ggcctattct atggttgta tgaatattgc 9480  
 caaagaatgt cttaaccgtc cataaagata cactactggcc ctctaggagt ctatcatcca 9540  
 agatagatca aatgcagatt tatggacagg gcatattcat agtagaaaac aaaataatat 9600  
 cctttataag cagactagag tgcactttat atagaatcaa aagaaaaatc cacatacgggt 9660  
 ttggaagaag attaaatgct tgttattagt atagactagg aaaataccta aggaaattcc 9720  
 acgtcaagcc agaagaagaa agaattggaaa gctattgtct ttttcccttt tgatgcccaa 9780  
  
 aggcattggt tcaatagaca ggcaggcaaa gaacccaaac agaccactca taaatactca 9840  
 tataattgat catccaatat gagcaaaactg taaactctca agcccacaaa gaaatacaaa 9900  
 tcaaaacaat gataaaatgt cacattctac ctatcacatt ggcaaagatt ctaaaaaatc 9960  
 attctcaaca ctgaagtgtg aatgaagaag gcatttctat gtaatgttgt agacattgca 10020  
 agagagtaca agccttttgg aaaacagttt gacaacctgt atctagaacc ctaaaagtgt 10080  
 tcagactatt ggattaagga aatacacttc tgataaagta tctgaaaat atattctgaa 10140  
 gaacattaag aaattctgca caggacaga gattgcagcg ctagtatca aaacagaaaa 10200  
  
 ctgaagagcc aaaaaggcca accataagag aatgtctaag caaacagtgg tacatttatg 10260  
 tgatgggaat tttaaatagg tattaaaaca atatttataa taagctttta acaacatgga 10320  
 aagaccatta taaggttcatt gtttcaaaaa gcatgatata aaattgaata caaagcctag 10380  
 gatcagttgt atggatgcct atgttacaga ataaagatgg caagttacca tatctatagt 10440  
 tgtctttggg tatttttttt ttgcctgtat attttttcta aattttagca atagtgaaga 10500  
 gcaagtactc tggatctcgg ggttcaaatc ctactcaac tacttacaa ctgtgtagtc 10560  
 ttggcaaatt actagcttc ttggtgcctc agttttccaa tttgtaaaat caggttaata 10620  
  
 atagtaatta catcactctg cggtataaag attaaatgag ttaatactta catattatac 10680  
 aattttataa ttagcattta tataatataa aatttaataa tataaattac atagtatata 10740  
 tgtttgctaa ataaaaata aaattatttt ataatgactg tatttcttaa aaataaaagt 10800

ttattgagga aaataaaatt tccaaaaaga acaagtaagt tatttaacaa taaccaatgt 10860  
 aagaaaggac aaagcagcag gtatgtggca tacccgctgt tcctaggtgg aatcttcaac 10920  
 agttttggcc ttttgaagac ctgagctgta tacctcttct tgctcatggc tcctcaatcc 10980  
 tgcactaatt gacacacaga ctaatttctt catttacctt attgggggct ccaaacagca 11040  
  
 acatgtctga gtggtttgag ggaacctgga atgtggagat gtatagtctt agtagttcct 11100  
 tggactgac ttgactttga tacctggagg ccaggcacag gcaaatatgg cagtatcatc 11160  
 aggaggaaaa cgtagcata aaccgccatg gttggtctac tagaatgtaa tctctcctga 11220  
 gcaaaataga caatatttgc tatctatctt tttatgcaaa ctctcctcat atttgtcacc 11280  
 cataaatttc ctgatatgac tcctcagcgt aatatcaacc ttccaagaaa agattttttc 11340  
 actaaactcc cacaacttca caaataggga cattaatcat tcgggggaca tgatagagac 11400  
 tttcactggc ctttcatgaa aaccaattta ttcacccttt cctatcttct ctcattttac 11460  
  
 taagaggga cagaagtgtc aaatgcttta gtctatatc aagtgttgat atatatgaga 11520  
 gtataaaagg tttgtgatgt ggcaaaatac acctagaaaa gttaaatac aaatccaaca 11580  
 ttctgggctt catctcctag tctggatctg agcaggagg acagagtaga ctctaattcc 11640  
 tgcctgtggg tgccttggt gacacaggaa actgtcaaaa ccagaatggc cccacaagca 11700  
 tgttttatca ctctaacagc caactcaaga aaagaaaatc ctctttatta aatctctcca 11760  
 agtagccagt tactagagat gccaaataca ctggtgtgga tggttttcat atattctctt 11820  
 cccagcacta tttcacaaa ccaacacttt ttaaaaaatt ccgttagggt cttgccacac 11880  
  
 acacaaatcc agagaaggcc taactcattt tctgatgaat ggctcctgca ttccagcgg 11940  
 tggatttcac atagcaaatt tggaaatac actacttctc ggacccaaag caaatgagg 12000  
 caagatgtta acacattttg tgggcgtaaa acctgagagt ggtggcaagg tcagccaatc 12060  
 tgtccgtcag tcaatagtgg ctatcaagt ctggttaggg tgctattgct gaaaccaaag 12120  
 aaatgtaga catcatctt gtctttgagg attgataca cagctggagt gagaacacat 12180  
 gcatttatag tagcataaga acatacatat aaatgtaagt tggcaataaa tgttagttgt 12240  
 tattatacat ttaatttcag aatcacccct ctactttaaa agttattttg cttcaagaa 12300  
  
 tggaggagtg gaggaacttg cagataaatg tattccacct aaactgcagt tcccaaaggt 12360  
 caaggagaat cattctctct tctctcagtt ttgggaagtt ttttttcccc ctcttaaaaa 12420  
 caaacttggt ctaattataa gaatatttga ggctaattat aaactagaaa atgcagacta 12480  
 gtataacaa agaaggcaaa aattattttt tatttccatg attcagaaat ggccagctat 12540  
 ataccacaa aactgaaacg ttttatacat ttatcttctg tttttgctc taatatcatg 12600  
 catgagtctt ttacatttca ttcatcttga gaaggctttt tctttttctt ttagtcacgg 12660

agtcactagt gtctctgtga tgacagggtta aagagttcac ggtccctttt gctaattgatg 12720

ataaagcagc ccataaagc tttggatttc gtttccaaac tagaaaggga gtggggaagg 12780

ttagaggaga aaggaattac atgagtaa atgataatag aaggataccc tctagggcca 12840

tgctgtccaa gagaactttc catgatgatg aaaatgctct ttatctgtgc tgtccaatac 12900

agtagctaca tgtggttatt acatctttga aatgcggcta gtgtgactga agaactgact 12960

tttaaatttt attgaatttt aattaattca aatttaaata gccactcatg gctattgtac 13020

ctgacagcac agctctaggg caatctgaat tcccaggtct agccaacttt gtttcaagag 13080

tatttcaaat taaattctag aaagaaaaac acatgaccca cccaagttt aaataaagca 13140

acatgaataa tcttaggctc ctggccttca agatagaaag tatattagat tttttaatac 13200

atctatcttt tccttgcaaa tttgccactt caatctttgt ggaaggaacc agaataataa 13260

tacattaata agtaaagaat ggtccctcaa ctcccaaccc ctcaagaagc tgaggaaatgt 13320

tttaggctaa actgccaggg cactccaacc ctctagagg tactatgttc ctttctgaag 13380

cagcagcaga agaaagaaat gtgtcaccca ctttcttcac ttcagattgc aggcctagct 13440

ctccatgtgc accagggtgg cgatgtgccc ttgtgggtct ccatttatcc taccatatga 13500

tggtggagtg tcaacacaga aggcctacc caactgttga ggaacatgga tggtgattaa 13560

taccatcagc ctacacttcg tcaaagggat aagtcatgat ctgtgtactt agtaggtttg 13620

tttatgcagc agatggcctt gcaaaacaaa atgcttgttt tcctttacag tgaggctggg 13680

gaaccaccac caaactgtgg gcactaggaa aagtgtctaca tggacaacac tcagaatcga 13740

gacagccctt tcctgcagt aggcctcagac tggacatga tgacaactca taggtccaga 13800

aggtccacat atgacaatag gaaccctca aaaacatcag gaaggttccc cagaatttcc 13860

ccctccagag tgtgacctag tcagccttgg caggatctc taggagactc cttggaata 13920

atgctgggtg ttccaagacc ctttgatatg tcagatggga aaacccttta actccatgtg 13980

atgcagactg tatcaattca gggatccagg ctaagtgcta tagtttttca gccactaccc 14040

aaatctcagg agtcactat tgtttgactt ttcagaagaa acagtgacta atgtgtgtgc 14100

ttgcctttgc tgcaatcatt gtaatttagc aaaatgaggg tgtaaactgt atctacttgt 14160

aatcacaag actaaagagg attaacagag accatccaat gtaaagtgtc gggcatgtgc 14220

ctgacacaca gttcacacce tataactgtt acttttactt ttttctttt ctattcttct 14280

aataacataa gcatttcaat ttctatgctt tcatttactt gacaactatt cactaagcac 14340

ttattcaagt gttggggata tagtggtaaa taaatcacac tccatgcctt tttggagcct 14400

gcatttttagt gagaagaaa gacaaacata taaatgagaa atcaagtaac ataatttcat 14460  
 actacatatg acaatagaaa attttcttta cgggatacat agagatgtaa ttctcttttc 14520  
 tggaatgcat tcaagatagg aagaatgaaa aggaacaaat aaggaagttt tgactgtggt 14580  
 tccctttgtt tggccctgtc tgctgatggc aggtatagtc aggaggccac cccacagctc 14640  
 tgctgagaac cagccctggc agagcagatt tctgcccgtt ggtgctaagc agtttgtgcc 14700  
 tgggtagaag aataagcaga tatcagcggc agaggcagaa ttggcagccc ctcagtttct 14760  
 tggctgtatg gctgtttgct agccaagtgg aaggaaggat gtatatttat gagctttaca 14820

gctctaatta tttttccgca gagactataa ttttgtgggt tactacttta ggaagtgtag 14880  
 cgattttggc cccagtcata tgggtggctgc atatgcaggg acatgtagaa gcataagtga 14940  
 tgaatgggtg gactcaaacc aggaccccaa ggacaggac acagaagatg catgacccca 15000  
 ctctcctttg ctttcagatt ttttcttttc cagcactcta tggctctttg tggattcccc 15060  
 tactcttttg gggcccttgg cctaccacct ttgaatactt ctcataaacc aagtccaggg 15120  
 aaagaaaaga ggaagatg gtacaaaacc agtgaagccc ctagggcaac tcgctccttg 15180  
 gtttagggac agtgggtgta tcccctaaga cccagcaaga cgagagccat atgctgacag 15240

ccacaccagg gtgtctgttt ccccaataa ctagtggtc cactttcca cagccaactg 15300  
 ccaacatctc accaccgtc accaccatcc ctttcatac ttctgtgtt cgtcttcttc 15360  
 ttctctctg tgacctatg ttaaaggaca atctcagcat tctgttgtt agttaagcca 15420  
 gagcaaatga aggacaaca tcttgatct ggaggacccc agcctaagt gcaagtctag 15480  
 aagtcttgt cacttgaaa agaattcacc ctatgcctct gggctgctt acaagttgga 15540  
 atattccac agaataagga tattgttgc caatccactt cagggtcacc aagtctcata 15600  
 tgtcacatcc attgtaacca aaggcactga cctacgacag gtctgaaaag gtggctattt 15660

tcaagaagca ctgacctgca ccacataagg ccttcatac tactaactaa gacgaattgg 15720  
 agcatctttg gttacacacc tattataatg gtgaaaactg aaaccagtga taacacaaa 15780  
 tgctggcaag gatgtggagc aatgggaact ctctttcact gcaaatggt acagccactt 15840  
 tagaagacag gttggcagta tcttgcaaaa ctaaacatat gcttaccata ggattcagca 15900  
 attgtgtcct cttatattta ccaaagggt tggaaaactt atgtccatac aaatccctgt 15960  
 acatgtatgt ttatagtagc attattcacc actgccaaaa tttggaagca accgagattt 16020  
 ctttcagtag gcaaacgaat aaataaactg cagtacatgc aggcaatgga atattattca 16080

gcactaaaaa gaaatgacct attaagccat gaaaagacac ggagggaatt tcaatttaaa 16140  
 tgcatattgc tgagtgaag aagccaatcc gaaaaggcta catgtgcat gactccaact 16200  
 atacaacatt ctggaaaagg caaaattata gagacagtat aagtcctgg tttccacagg 16260

ttggggggag ggaaggacga gcacagaggt agcgaagcta ttccgtatga tgctaccatg 16320  
 gtggatagat gccattatac attcggttaa actcataggc tgtacaagag tgacccttaa 16380  
 tatcagctgt ggactttgag tgaaactgat gtgtcattgt aggtttattg attgtaacaa 16440  
 aggcaccact ctggtgtggt atgttggtag tgggagagat tgtgtgtgga gggggtgggg 16500

ggaggagggt gtgtgggaac tcctgcact ttccactaca ttttctgtg aacccaaaac 16560  
 tgctctgaaa tagtctatta aatgggtggg catgtatctc tgtattatat gccttcccca 16620  
 ccaaaatatg tattccatga aggcagacac ctgtccagt ttgttaatta ttgtatccat 16680  
 agcactaaga ctagtacctg gcatgtagta agcattcaat atgtatttgt tgactgaata 16740  
 aatgtaagga aatcttagtt actttaataa gaattaaaat acagcccttt tactgaggtg 16800  
 atatctttct tatttcata caccacagta cttaagagag acctacagtc ctgagctctc 16860  
 tgtgggactg gtcacccct ggccaacca cactttcttc ctgctgagaa gattcttttg 16920

tttacttag ccttggagtg caaagtcaga gggtagaata aaggaaggtt tgctgaatcc 16980  
 agggattctg cttcctggtg aatggaatgg gcatgggaaa gcagatgaca aagacaacag 17040  
 caagtataag aagaatccct gctaaaaata cgtttccaca cagcctagga gtgggaggtt 17100  
 tacttgggtc agttagggtc ttcccaggga ttcaaact cctgtctag gttaaagctc 17160  
 tcaatcacta atggtagtta tgaattcccc caaccaacta cactaaacag tctttgaaaa 17220  
 tacaaatfff gatgggaaag gaaaaggac agaggagaaa gaagataaat gtcctcactc 17280  
 cccttggctc ccttcatttc ttctccaaca ctgggatat ttgtggagcc ctgtctctct 17340

ggggaccctt gacctgtgc cttggaaaac cttctgtaat ccacgacaga ccaatgaga 17400  
 aaaaaagaac acacagataa cgttctgaa aaagctccta gagggcataa gaatatagtc 17460  
 tttgggtcgt catctactca gcctaattct atacattcaa actttgaaat cagagaaagg 17520  
 cccaggaat cataactca ctacctacat ggtaccttaa tattagaata ccataaaaat 17580  
 ttcttcttaa gtagccttct gacatttttg tctgtgaagc aggtacttca aacaaatgtt 17640  
 cccattttag acaatgagat ggaagcagag gaaatgtga gtgccttgcc tttataacca 17700  
 atactttgtt tatatgatat catgtcaata aaagtgcata attcatcaa ccattctaat 17760

atttctaaat atctagatat ttggaattat ttgtggatgg agcctttgta ttaaaacaaa 17820  
 tgggcagcag aatgaaaaca gcaatcacac aatctctac taagtcaga gctttcttac 17880  
 tggcgggttc ctgtcttgg cattttggaa aaatatattg gttagtgtta taccaaccac 17940  
 tcagaattct gtcataagga aggaaaggaa ctaatagtta tttactcaga gacaggcatt 18000  
 gccccagggt ttttaccatg aaaatcttca tcattaaaac aactttttgg ttaagtaata 18060  
 ttgtcccaag tttacagcca aaaaaaaaaa ggggggagaa gttaaaataa ctgaatttat 18120

ccaaatcctc atggctacca tgtttcagaa ccaggactca aatttttatc tattcaagga 18180

catagtccat gtcagattac tggggctcag gctcatgacc aaatcaattt aaatacaatc 18240

ttgccacttt tgttgagggt tctcactgcc aggttgaggc caaagttacc cagactgcat 18300

caacattttg gaaagtgcag atattctcat tagggagaaa agtatattaat taattagtaa 18360

aattgatcaa atcacctaata cactgaaaaa ttctacaaac cctgaagtgt agaaacagag 18420

acacttcaga aatttctcat ggccaatttt ctgatttagc cctctttta ttccatcca 18480

ttgcattaac gacttggatt tgtgtctgaa tcccagatga cccattaacg aattgtgtgt 18540

ctttggatga atgatttttt cttgagcgtc attttctttg aaattttata gggttgtgga 18600

aaatattatg tataacagtg ttataaaaag catttggtgc attctctggc acatagtagg 18660

ccttaagttc aactatgtaa ccatgaaata agcttagaaa tatgtagagg ttctgtgtaa 18720

cacataagca gttcttaagt aatttttatt acacaaccta ctaccattaa gtataaaatc 18780

atactgctct taaaagttaa attgccacaa ttgggttacc atttttgcct tggctgcttg 18840

tcttggccat cagtaccatc cagctcttca tctgaggtag gactctacta agcatcctcc 18900

tgggaagagt ataaaaactg actcttcatt ttaatacaga gtctataaat ggggaagctg 18960

caggaacagc tcacagactg tgttaggaag acagattttt ctgcgggctg agaactgaac 19020

cagcttgcaa agcactcgag ctatttacga ctgacattta agcaactact ctactaagaa 19080

agaggaagat aatggaaata ataaccctga aaattccatt gaggcacatt tcttttgaag 19140

gaacctatga cagtgggtca aaagttgacc actggagcaa ccgcctggtc cttttgtcct 19200

tggagagatg ggtcgtagca tgaaggcttc taattagaaa agtccacgtg gttccaagaa 19260

gcaaggccat ttcatctac agctcttgct gccaaactgc aggccacagc gagctgcact 19320

ctgaacatgc tgggtacttt ctccacttgt gccctcaca gcacctatc tggctgttag 19380

caagctggaa acagcattta tcaactgtga ccacattttg gcccttagac ttatatactc 19440

atttcagggt acgaggtagc agagaaggag gaggttctgc tactcacatc tgcaaaaggt 19500

tcaaacaagg ggtatgggaac gggcagagca ggtggctaaa agcgacaata gggaaatagg 19560

ggggaaaaaa ccgagtgaga aggcagcatg cttaaagcac tcttgattaa aagatgtaat 19620

cagttttcat ttgaatatcc ccaaacacc caaaccccta gtgcgtgggt gcctatggct 19680

tccaaattct caaaatgata agctgccaaa gtaaaactaat tgcagtgtgt ctcagtaatt 19740

gccatgtgtg gatataata gttatagtaa aatgggtcag tgagtcctga tggtgataat 19800

gcacatttgg aaaatacata aaatagagat tctcaaaacc aagaactcct gagggtcgga 19860

gatggatctg aaagccagct ctgccatgia ctagctgtgt ggctttgagg gaactctagc 19920  
ctctctgagc ctatgatccc tatttataaa aagagacagt aacactcaca tggcatcaga 19980  
atcctcaacg tgggaaggag aagcagcaca gggaacaaag gattcagtgc ccagctaccc 20040  
attagtagcc acccacattc catcacctgc caactactcc ctataactca aaattcctgg 20100  
atacaagtaa ggatcagaat gaagggtgga ggatttggat attctgtatc tgatgcagtg 20160  
tggagcaaac actttgccaa ggttgacaag aaagagtgg gaatttttct atgaggggga 20220  
acactggttg ctagtatata tgtatcccia ctgggtggct gcaaggatca actgaaataa 20280

taaacacgaa agtattttgc caacagtaaa acccactaaa aattctagct cctgctgtct 20340  
cattataagc ctgggtgttac ctgtcatcct cctttctctg agtagaaagg taaatctgcc 20400  
catggttcta tcagtcattt tcccataaac tcacaagcaa tcttttgacc agggctactt 20460  
ggacctaanaa cagaacaagg gaagcatggt aaagaatgaa gatttaattt taaatgccct 20520  
tgtctttcca actaagcttt gctgtaagaa agatccggca gagaagattc cagacagaga 20580  
tttcatggat tactaaaagg aagtgtctgt gcatctcaat tcccttcagc ctcccctgaa 20640  
atctgtgtga gccagcctgg ttctatagct ttttaaaaga cttccccagc tgggtgagggt 20700

ggctcacatc tgtaatccca gcatgttggg aggccgagat ggggtggatca cgaggtcagt 20760  
agtttgagac cagcctggcc aagatggtga aacctgtct ctactaaaac tacaaaaatt 20820  
agtctggtat ggtgggtgggt gcctgtaatc ccagctactc ggcaggctga cgcagaagaa 20880  
ttgcttgaac ctgggagggtg gaggttgacg tagcctaga tcacaccact gcagtctagc 20940  
ctgggggtca aagcaagact ctgtctcaaa aagacctccc caagagataa agggaggagg 21000  
aagctagaga gtcttaacct cttgagtcac aggcaaattg cttcctttgg gttatctccg 21060  
actggggagc cagggtgaga gggcattgag ccctacactt ggtgtctagg ccaatgattc 21120

ttaccagggt tggggggcat cagctccacc ttggcatgtg tgttgaacat gcacattcct 21180  
gagctctacg gccgactctg gaagaagtgc ctggaattct gtatatttaa taaggatatt 21240  
cttaaaagtt tgagaggctc taagagaaca tcttttagatg atttacaac atctgaaagt 21300  
tttccaagtg aaataccaat ttaaaacaac aacagaacgg ctctaatttc atttgaaatg 21360  
gagagaggga gtctttccca tgggcatctc ttccccttgg gcaggctccc agccctttct 21420  
gctggtagat ggggctcttg gggataaggt ggtgatgatt gttccaaaag ggccttgaat 21480  
tacactctca gtagatatgg atccagatga cttgcctggc tctctctccc aatgcctgtc 21540

tctcacatgt cagttcttgg tcaagggtgaa atcatgggac ctaatttgag tgactcagaa 21600  
gtcttgttct cactgttggc ccatactga tcttgtggct tagacttctg ttgtccagct 21660  
gtaaccaaac tcccacatta catccgcttt actaactagg tgattttttg cttcttcgaa 21720

tccgagtctg ttattacaca aatttccagc actctaactt aaaagtgggc ccctacctca 21780  
 tccttgccag tgatccaatg actcaattat ttttccctcc gaacctctgc ttcatactg 21840  
 agtctctatt atatatggtt aggcctcccc aaaacctact ctctggaaca ttatgttaag 21900  
 attacatttg ggcttgaagt aagagtatgg aaacctatat aagtggcttt gagataggaa 21960  
  
 agtggatgtt gtatttggga aacctgacat acatcactgg atccccggat ctctgttata 22020  
 tccatctggc taccaggaag cctgcctttg tatcttgta ggcatctatc caacaagtat 22080  
 ttattgggca atttctglat acccatagtt actaggcact gataaaaatt atgtatgtaa 22140  
 gagtgattta taaaacatat attgatatat gaatgtaggt actgccactg acctcatggg 22200  
 tattgacaaa aataccacat cagcccagat ccacagatgc aaagaacctt gggttaattat 22260  
 ttggccaatt cagattccct gaatgatttt gtcacaatgg caaggaaatt taagaactta 22320  
 ttttgggatg tgtgagatga ggttgggttt ggtgatgaac gtaagaaggg aggggttcagt 22380  
  
 agtcatactt aagtgaacta gaaaaatac cgaaatgttt ttatttcaat agacttacat 22440  
 ctgttaaggc ctagttctca aagacctcac gaaagaatga cataaagagt ttagtctgaa 22500  
 caatctgggt agagagggga aattctgta atcagaaaga gcactcacia ttctacgtaa 22560  
 accaacgaga aattttaagg gaattgggat tgttttgtaa catgttgctg agctcagagg 22620  
 ctgtgaatgg ggacagatca agccagtctt agcattctat tgtttttgtt gttctgtttt 22680  
 atgaagagag tggcctcgct accagcaacc cagatgttca ctgatgtatt ttaaggaagc 22740  
 tccatctata gctgttacat tttttcttc ttctaaacca tcaattgttt accatattta 22800  
  
 taagggtaat tccagtttaa aatataagaa atataagaca tagattgtca ttaacatgtt 22860  
 tagccctgaa gagtccaaca gaggaacgcc tagaatagtg ttatcagaaa aacaattaat 22920  
 tcattttaag agttcccttc attagaggcc aacttcatga gtttcaggta taagaacatt 22980  
 tgcttctaga aagatgtcat tacttcccc aaagaaagaa aaagtgttaa gtctataata 23040  
 atattaatta aacattttct ataggcattt ttaagttgac tgacgaagtc atgatggta 23100  
 atgatataag ggatttttct ggatatttct ttctcatcaa taaatttctg agttccaatc 23160  
 aggaaaaaca actgtcttgc tgcaaatgac acagcttgac tgacagggtg aaagatactt 23220  
  
 aaataatgta aaaaccagg tcctagctct tgttatttaa tccctgttac tattaatact 23280  
 gtctttaagt gttcaatgaa aatataaaaa gatgtcaat tacattacta gctaaaggaa 23340  
 aaattaaagc aagtcaccaa tctttgcttt acaaatcggc aaaatactaa cattcagtgt 23400  
 gaggaatgg gccctgtgat gtgctgctga tgagagtcta aattagtata gccttcctaa 23460  
 aagagtatgt gtcaataact atccaacttt aaaatgtgca actcagtaat ccagcatttt 23520  
 ctcttttaga aatatttctt aagaaactgt gcaaagatat atatatatgt gtgtgtgtgt 23580

gtacaggagt gtttatataa acatgcatat atatatgaag agatttaaca gaattgctag 23640

aaaaagtaaa aaatgaaaaa aatgttcac aataaggga tgatttaaaa aatgatgacc 23700

tattcttatg agagctgtac aattaagaag actctatatg caatgacctg gaaagcaaaa 23760

gcataatatt gactaagttt aaaaaaatca agtcataaaa caaaatatag aatgtgaggt 23820

gcagaacgtg aggccatttt tataacaggg catatgggca tatacataga cacagttatg 23880

tctccttcta tgagcattta aaaaggctta aaagaatact tgccaatctt ttaatagtca 23940

ttacctttga gcagtggaaat tggggcaaac ataaggctgg gaggggactt aaactataag 24000

tttcagtact gtaaggactt taaaaaactg aacaaggaaa atttttcttt tataatataa 24060

aaagtcagta agaatttgta aattgtatgt aaggactgtg ctaaaagccc aggaacccag 24120

gtttgttgat ttataatagt aattaggctt ccaaagtctt cccagcata cccgtacttg 24180

agcaagcaca gtgcataatg gcatgtacac atacacacgt gcatgccac gcacgcacac 24240

acacacccac acacacacac agtggggtaa tccattggg agccgttaga tagagagctc 24300

tcccctccc atggggacag ccccaatca aaggcttaat agcagcattg cagaatggct 24360

aaaagcaca ctctggagtc agatggctct gggtgcaatt tccagctcca ctgtttcaag 24420

atttaaaact tctgggcacc acagtgattt agattcccca cctglaaaat gggagttaac 24480

aatgccttct ttatagtgtt gttatggagg attagtgagc aaggcatga caggcattca 24540

ctacactgcc tgacacagaa aaaagtgatt ttccagctat cagtgtccaa agacatgcag 24600

tcaagcagtt ggtgggaaat gacttcactt tgcaaatcac agcacctcta ctgacagcag 24660

aatgttaacc ctataaggaa ccgcataatt atggttccgt acttaacttt caagcaaaag 24720

caattcccaa gtaactaaaa atttcataa tactgtatca gtaggcacca ccacaaagta 24780

tgattgtggg ctttggggtc agactgggtt tataaaacca cctctgatac tcactaggtta 24840

tatgagttag ggcattgtac ttaagctctt ccattgtctc acctgggagg ttgctctgga 24900

cttgctcaga gcaccaggta tctgatacac agtagaaaa taacaataac agctgcaatg 24960

acgtgagcat ctactgtagt ccaggcattc tctcattctt gtgccaagtc tgaaacaggg 25020

gtgtcagtat catctattaa acttgagaac ctcagaatca gggcattgca tgacctgctc 25080

ataggattcc agttagtaac tgccatcttc ttgcctccaa actgaaaatg ttttcttaag 25140

caaaggactg gtatctatgg gcaactgtgaa ttcttcacaa tccctcttcc acagggtgctc 25200

catggcccag aactttacta ccacacactc agtaccagct gtgtctcagt atcctctttt 25260

attatgcaga tactgacaag aagcagtaat atattaagtt tacctcaatg tgtaagtga 25320

ttgttagttc atcctatttc ctctgggaag aggtctcagg cagatggtaa gcactgggta 25380  
 tttaaagatg ggggcagggc ctggcgaggt ggctcatggc tgtaatccca gcactttggg 25440  
 aggctaaggc aggggggtca cctgaagtca ggagttcaag accagtctgg ccaacatggc 25500  
 aaaacgggtg ctctactaaa aatataaaaa ttagccaggt gcagtggcaa ggcctgttaa 25560  
 tctcaggtac tcgggaggtc gaagcaggag aatcacttga gcccgggagg cagaggttgc 25620  
 agtgagccga gatcgcgctt ctgtactcca gctgggcca cagaatgaga ctctgtttca 25680  
 gaaaaaataa aattaataa atacataaat aaaaaaaaaat aaaataaaga gggggcagag 25740  
  
 aaacaggcag gaagtgccca gagaaaagag gggcccagat aaacttgtct gtaagtcaca 25800  
 attttgccaa ggactggctc tgccaatcag tctaagaagc cataagcaaa aatcccttta 25860  
 ttcttgtctt ttctttctgt tcattcgtat ttatttaatg agcagttatt aagcacttac 25920  
 agtgtgcaga atattgtggg acaatgtagt cctgtcctg agacttacaa tttagcaata 25980  
 gtgtattcaa tcatttaata ctcatattca tcaaacatag cacattaata tggtagtttt 26040  
 aatctgtgtg ggtgcacatg cactcatgct tgtgtgtgca gatgcttagt tatatatgta 26100  
 gattattcac agttcagtea ttcccataat caatcattcc aacacctttt ctgggttcaca 26160  
  
 tgaccatctc acacccttc cacaaaactc agcatgttga aatgcttact gcactctgca 26220  
 tatacaccta aaattaactt ttgtttttta gaattagaac acagtctgaa tttctcaagt 26280  
 actacttatg taaaactgtt cttggggtaa tttttagta attaatgata tgagagtaat 26340  
 taaggacttc tccaaatcta atcatcaatc cctgggtactg tgtaagcgtt aataacatca 26400  
 tggctgatat ggaaaattat tctgattat gactgctgat gataacatca gaataacatg 26460  
 aagttcactc atcggtcat tttttttgtg aatatgtcac aactttctcc atgaaatcta 26520  
 ttacaatgtt gatttataat caattatatt tatctttctg ggatttcaag atgtgacaca 26580  
  
 atgcttaagt tctaagcaat acaatttctt gacttactgc tttattatit cataacctca 26640  
 tatatgcagt tatgatgaaa ttttctgtgg gagtgtttac tgtctttaaa atcagccttt 26700  
 aaaaacaacc tctaggccgg gcatggtggc tcatgcctgt aatcccagca ctttgggagg 26760  
 ccaaggcaag tggatcacct gggctcggga gttcaagagc agcctggcca acatggtgaa 26820  
 acccgtctc tactaaaaat acaaaaaatt agctgggcgt ggtggcgcat gcctgtaatc 26880  
 ccagctactc tggaggctga ggcaggagaa tcgcttgaat ccaggaggcg gaggttgccg 26940  
 tgagccgaga tcgccccact gcactccagc ctggacgaca agagcgaaac tctgtctcaa 27000  
  
 aaaataaata aataaaataa aaataaaaaat aacctttaaa tatttaacac tataaattgg 27060  
 cagcagcgaa atcagtcagt gctacagccc ataggcatct tgctggaaag taccattgca 27120  
 caatcactgt gagtaaacag ccaactgagg aagaagttag ctaaacttgt acttgccacc 27180

tcgctgccat ttaaataatca atgctctgat atttctacag tttgaaagat gctttggctc 27240  
 tttgggtggga caagccattt acaatgtgtt ttgttcttgg agtcctgttg gtggctggaa 27300  
 accctttgtt tcttgttgca gtcaatttga actggactga caagcttaca gctccagact 27360  
 gaggtaaaga aatgccacca ttgtctggga gctgactggc ctgctttagg aagcctgcag 27420

gcagggcattg ctttaaatca tgggaaagac agctcaggaa ccacaggagc cgtgaacaac 27480  
 agaggaggagg cgcccccttc ccaactgctgc tgcactgatt tcaaacagcc caggctgagg 27540  
 aggtagcttc atggtgtttt cctaacgaaa tctagtaagt ggtacatgga tgacagaaat 27600  
 ctctgtgttg gcaactggaa actccaggagg gatgcaaaat aagagcacac agtggaaagt 27660  
 acggaaacct aagagaatgg aagagatggg aaaacatggg gtagtctacc ccgacttcca 27720  
 aggaaggata tgaatgaatc tgtctgtgat tagtccatt ttacagatta gaaaaccatc 27780  
 ctagagtgtt tggcagcccc tccggtgtgc ctatccagta aaaactgtga acggaatctc 27840

cgttttgtta agtatggcaa tgcgctaaaa tatccatctt cctgacccc tttgccttgt 27900  
 gactaagagt acgtttgtcc ttactcttc accctcgtct ctgcctgaaa ctgggacaag 27960  
 atgtgtagaa tatcagcatt catgctgtga ccaggaggat ggaagccacc tgttaacaat 28020  
 gacaaagcac aaagtggga ggaggcatgg gcaactgtga ctctgtgagg ctcttctcc 28080  
 accttgact gtttctgtt agacgtcttg tcatgagaga aggctaaggg cgggtggctca 28140  
 tgcctgtaat ccagcactt tgggaggctg gggcgggtgg atcacttgag gtcagaagtt 28200  
 caagaccagt ctggcccaca tggtgaaacc ccgtctctac taaaaataca aaaaattagc 28260

caggcatggt ggtatgtgc tatagtccca gctactcagg aggtgaggc aggagaatag 28320  
 ctggaaccca ggaggcagag gttgcagtga acatagattg cgccactgca cccagcctg 28380  
 ggtgacagag tgagactcca tctcaaaaaa aaaaaagaca tcttgtcatg agagaagagt 28440  
 aaactgcaca ctggggttgt tgggtcgggt gctgtaacgt gataaatgaa ccccgaaaaa 28500  
 tcttgcctc tgcacaaatg tgtattaaaa ataaggtctt tgagaaatct aaaattgggt 28560  
 cagaccactg aaaatctttg ataccttcta attacagcag taataaaaata tcaagaggaa 28620  
 atttaggcag gcagttcagt gtggtatatag gctcctgggt gggtattaaa aatcacacaa 28680

aatagactgg aaaggctggc ttacaggtac tgaacaaca agtgatagca gggcccagtg 28740  
 cacaggaagg cgtgtgatct gccatgagct gaaggccacg caaggctgga tgtgcacctc 28800  
 tgggaggagg cccctggga ctgtgctcat ttcaaatgtt attaaaatag agctgaaagg 28860  
 gctcctgtct ggacagcagc taggctgagg acgtttttgt tctcttctct tgctattcca 28920  
 gcttttgtct aggaagact gtatgtgaac aaacacaatt gcacattatc ctgacatcat 28980  
 tcccctatta accagttgca cctgagtga cgaactctt taataagtca ctgttgttgt 29040

gttctgtaca tgtggcccaa cataatccca acagttagag cttaatgttc ctacctctcc 29100

cattccagtc tctacacagc actctacttg actttcctaa aatactgggc tgacttcttc 29160

attcgatagg ttacagttag catggcacia aacctttcgt gagctggcct tgtgagttct 29220

ccattctctt cctcctctac tccacacctt aacctgtgta ctccagccat ccttttgact 29280

cttcctcttg tgcacacaca cgccacggtg tcatttccgt tctcacctgt gctctttgct 29340

tccccctctg ctggaatgcc tttactcact tggcctgccc aataaggtat ttatcttcaa 29400

aacctcttc aaglatcact tctacagacc ctctttgac acctcttct gaataaatca 29460

ggtgcctttt gcaccttctc ttattgcata tgtcacagtg cgttgattaa atgacattca 29520

tgtttgcatt gcacatagtg ggtaaccagt gaacacttgc tgaactgaac ttggtgtctc 29580

cttgatgggc ccagaagcag gaaagtttg aaaatgctgt ttaggaatt ctctggcat 29640

gctgataatc ctggagtga taggtatctt agaaagaaat gatccattag tccagtaaca 29700

aatgtacac atatcaactc ttgggcaact aatccaggca acattctgaa gcttgtctgg 29760

gcaagagaag tgcctaagg agaaagaaaa gaccgaaaaa caagcttaca tgattgcaga 29820

gtgtccctat gtttacctt aaaataaagg actaaagtgc actaagaagt tgccttggag 29880

atctcacccg aatggagacc cgtaataact accaagattc aaacattaaa ggaaattata 29940

cctcattccc tgtactaatg aaggcaaaat gaatgaatga gatggatgca gagtcaacaa 30000

acctgagctc tggctctggg tcattcacta ggtaaggaaa ctgaaaaag cagtgtctagt 30060

aatctttcaa agtgtgcctt ttacaaaatg ccgcaacaaa aatataggga gagcacacaa 30120

tgtctaggct cagtatcatt tagtattaca gcacattaa caaaacttga tggatctcat 30180

cttcttcatt tggaagacca aagccctct gacttgtaac cttcatagc tctctgtaat 30240

gcaacagcat ctacacacag agcaatctac atttcccat ggaaaaatat aaatgtatat 30300

ttattttagt gtgcctttgc cttagaaaca tgtttttgat taagaatatg gcttggggct 30360

gggagtgggtg gctcatgcct gtaatcccag cactttggga ggccaagggtg ggcagattgc 30420

ctgaggtcag gagtttgaga tcagtctagc caacatggtg aaaccccatc tctactagaa 30480

atacaaaaaa attagctgga tgtgggggca tgcgcctgta atcccagcta ctcaggaggc 30540

tgaggcaggg gaattgcttg aaccagggtg gtggaggtg cagttagcca agaactgtc 30600

acggtactcc cgcctgggtg acatagttag actacgttcc aaaagaaaaa aaaaaaaga 30660

atatggcttg gaaattttaga cgttttgata aaggcacctg catagtttgc taaggtagca 30720

atgccagac attttatatt cttatttgc tcagttcttg tctctaaaaa tacagtgatg 30780

gtatttctcc ctgacctcta cctacggcag ggagtataga agaaatgggg gtgactacac 30840  
tcattaaaac cacgaagttt ttgaaagaga gaacaaacac tcacttgagc tattgcatta 30900  
gcaaccctga cactgctttg ggcttttaaaa atcaagtttt attaggtgac ggtgttcctt 30960  
gttaccaaga tgctgtacaa ctccagcaaa ctcgccaac aaaagctgaa aggcatgac 31020  
aataaatgca actcattaag aaggtctcat ttaccctca gcattgtatt gcccacttga 31080  
aaaatagtag ataaattttg tccttacctt gaagagtagt agataagaac cgctagaaat 31140  
gttgctaca aagttccaga aaaacaattt cagaaaatgc ttggagaagg aagtaaggct 31200

acatctggat acctaccaat taactactag cagtggacca atggctaata caggggcacg 31260  
ccctttgcaa cctcattgca acagtcactg gcccatcttc ctggagaaag tcataatttc 31320  
tcaatttgcc taactatatt ttaacttat ttttagggct gatattagca gtttctcatt 31380  
ggccatgggg aattttttaa caattagaat gtgaaagtta gggcccagca caggtgactc 31440  
acacctgtaa tccaacact ttgaaaggct gaggcaggag gatcacttga gcccaagagt 31500  
tcaagaccag cctgggcaac atagtggagc tccatttcta caaaaacaat aatgaaatt 31560  
agccagggtg ggtggtgtgt gcctgcagtc tcggctgctt gggaggctaa aataagactg 31620

aaccaggaa tttagggctg cagtggacta tgactgtgcc actgcactct agccttgagg 31680  
acagagcaag accctgtctc taaaaagtaa attgttttta atgtgagagt taaaaaatc 31740  
ccaacaattt caagttgaca atacattcat tatttaacta aaaaaagaa atgtggaaga 31800  
agagtatttt gccaaagggt aggggaaaat aatgggtaga tcccatttc tgtatcctct 31860  
tgttcattat tcatttgttg aatgaggagtg tgcattcac ttagtcagta aatatttatt 31920  
aatgcctac ttgacacaa gtattatacc tgccttaggg ctacaaacat tatccctatt 31980  
ctcaaagagt ctaatttttt aaaaaagaag ggaatagaag gaaaagcatt aaattaatta 32040

agctcctact ctgtgccagg tgcttttttt gtcaaacttt cctaacaact gaagagagaa 32100  
gatagatgaa atgccccca cttacaaat gtgaactaag actccatgat ttgccagag 32160  
tcacacagtt cagggtagac tagtgtttgc attcaaattg gtctaatttc aaaacacttt 32220  
ttaagattt ctttagagaa aaaagaagaa atcacccatt atcctacat cctgatataa 32280  
aaccgtcaat attttgaga acttccttcc aatttttctt ctacacatag gtcaattttc 32340  
aaatttttaa aaatgtgtt cacagttgta atcaaatgt gttatactgc attttcttgg 32400  
aactttgaca ccatcaactg tgaaatgctc cattactcta gatagcacca gaaagaaaaa 32460

tcactgcaa ttatatgatg ccactgtgag ctatgtccag atttcagcga tgtaaaatg 32520  
tgaagtgaa gaatttgtgt cttagaatca atggcctact ctacatttca catagccac 32580  
actcaggctg tgcactact gcctggagtg gtgaggatgg cttcatggca caggggacct 32640

ggttctcttt cagagtagat aaactcctcg actggactgg caggccctcc tcagaggga 32700  
 gagggtctca tttgactgtc ttttgcattc ctgatgcct tgtcttgtgc acagtaggta 32760  
 ctcaagaagt atttcttggt tgaataata cataactaaa gcttgagaaa caatgtatag 32820  
 ccagcagaag gtaaaaatga ccatgggcct gcagaatggt acaagtacaa attctgatga 32880  
  
 gggtttgtgt ggctacactg gggaagtggg gagatgagat ggacggaact ttgagccaga 32940  
 accaatagct ctggtttttc aaggctctct ccttcttaca gctggctgct gttttaatat 33000  
 cacctcgtct ttgctgttca ggccctttacg ttgatgttct ttttttttt gagacagagt 33060  
 ctgctctgt caccctggct ggagtagagt gacgcgatct tggctcactg ccagtccgc 33120  
 ctcccggtt catgctattc tcctgcctca gcctcccaag tagctgggac tacaagcgc 33180  
 cgccgtcacg cctggctaatt ttttttttt tttgtatttt tagtagagat ggggttttac 33240  
 catgttagcc aggatggctc cgacctcta acctcatgat ccaccgcct cggcctccca 33300  
  
 aagtgtctggg attacaggcg tgagccacca tgcccagcct actttgatgt tcttatcaa 33360  
 gcctagctcc atagtactag ttgattctgc catcttagaa aattattcac actcaattg 33420  
 catattgatt tagatttgtt tgtttgggaa catcacccat taatttcaag tataactcat 33480  
 acagagaaaa ttcaggcatc agcaagaggc aggtagagga cagtagtatt tttcagaagt 33540  
 tgaaacattc agcctaaaag gacagtatct cttctgttta tacagatctg attgccttag 33600  
 gaagtaaaag cctgtgacag ttcaaatcta tatgacttgg caattcaact ttctatggat 33660  
 gctcactaag atacgtgcct gaaatggcaa aatgagtcta aataaagaaa agaaactaag 33720  
  
 acttagttct ctatgcata tccccattaa acacaagatc tgcacattta gacaatcatt 33780  
 accatttctc ttgcttttct tttctcttt tcatcctcca ttcacctaac aagtatctgt 33840  
 ctctttgcca ctgtgaaga gctgtgttaa gtccctaaa agatataatt ttctgatggg 33900  
 tcagaaaatg ctcaaaaga agtctgcaca ttaatatga aagtatgttt tattcacaga 33960  
 taagtaaaac acaaggtaga ggaagcataa atactaccag agaaagacag gcgatataaa 34020  
 atcagagttt agagcctgga gagatgacat cagctggggg atcaggaagg gcttcagaga 34080  
 ggagggtgta ttccacctgc gccttgaagg acggagagga tgtggacctg tgagaatgag 34140  
  
 agcaaaaacc tagcagagca gaggcatgct tgggcacaag aactcctgtc atttctttct 34200  
 ccatgggctg tctattgttt agaaacagga tgctattgct ggtgttagag ccctggccaa 34260  
 tgaaaaaacc agcaacttga gctgaccagt gcgatgtgtc ataaatcata ccatcatcag 34320  
 gccaaagtca gaaaaatacc ataggatttc atgcctatca agtgtgaaat tttagaggca 34380  
 agtcatgaaa gcctaagcct ggtgtagaac agagcatctg aaatccacga caggtaacta 34440  
 agatgaaaag caacagcaca atgtcatttt tcaaaactca agggactgcc agcttcttgc 34500

ttacatgga catggatacc atttggttga aaagaagagt ttgtttctgg ctgataggac 34560

ttcaggtgtg aacctgatgg ctgctgggta tagggaggct gtgttctttg cagtattgaa 34620

gaaggagctg gaactctccg ggggctgatg tggtagaggag atggagcaga aggtgcaaac 34680

ctgagaaaac aattataaaa ggaaacatga gggacataaa acagcaggaa caaagacaaa 34740

ctctccaaag ccaaattctc acctccatt ctggctatac aagagcgtga caacaagcct 34800

tttaaaaaaa aatctttcag gatttttctc taccctctct cctccccac tgccatttaa 34860

ccactgagtt ctcaactgag atacagaggg aataaacaag tacaataaag ggaaaaccta 34920

ctcacagttt gggtttctca agatttctaa gctgcatttc aaatacacta tgtttggtga 34980

aattcaaagt acatcttttg ccaagccctt tttctgctaa tttttaaatt ctatttgcatt 35040

ttaaggggaa atttgatccg tatgtttctg aatcatttac acttagctca caaacatttt 35100

gtttgttttg taagatatat ctgaggteca agaagtgttg ttacaagtct ttattatgag 35160

cctctctaatt cctattctct ttgaacaatg catttgcttt tgccaagaat gaattaactt 35220

aaacctcgaa ggtcaagtat ggcttgaaac ccacaacca cgaaatctgc gtgggctccg 35280

tgcttgccaa agagtgttcc tgagggtatg ataggaagat gatgtaggag tcacatgcgc 35340

caatcacagt aagactattg gtggtttctg gggtagggga catgttgatg tttaaataag 35400

gagatgttgt caagaaacct gggatatgaa atggatgatt gtacattgat ctccaattg 35460

tgaaggaaaa ttggaaagac ctgactcact atgtttaaaa tgacagttaa tgctttctaa 35520

cattgaagcg aagatgtaat tgttagaaca atgttacagt ttggcaatgt ctatcaaata 35580

tcaaatgat cctccaggtg ccagttcagt aggggactga cagaatatag gggagaaagg 35640

agcaggaagt ctgtcaatgc agtaaaatga agcagcaaat gaattgttta gtttctcaa 35700

aaagtccag taagctgaaa acttttaatc agctgttctt tacactgtgt agaaagacag 35760

gctttgtttt gcagtaaac gtataggtca ccatctgctt acattgctta tttcacagga 35820

acaaattgct ttaactttgc tgggcttttg tggaggcca tagatgataa aaagggaaga 35880

tgaactagtc aagcttataa agtgattgga aacattctga accagaatat ttaataaggc 35940

agagtttcta tgtttgtact gtagcagtaa gaaagcatgg gacaaaaatc tcatgttctt 36000

tttgcttttc ccatgtgagg tgtgatgaga ctatagaaga aagtgaatgt aagaaccaag 36060

aaagtaggag taggactcgc taacctctag gaaaaagaag tcaaggcgag gagcttaaac 36120

aaaccagctg ggttgggatg cctgtttaat tgatcattta catcttcatt ctgctgaaag 36180

agaatagtaa gtgactgcac cgtgctgagt aaatacacat tttctgagca tatcatctta 36240

actggtatta ccctgaaaag atctgctgaa tagcttgaga gaaaacacag caaacaatc 36300  
ctggcactgc cctgagaaca tctagtaaaa ctcatctgcc aggattcctc atatgaaggc 36360  
tattttctgg gggaacgtgt ttttaacgtg tcttacaagt tgctctgagg ttgtgggaga 36420  
gcgatgagca atgtgagat catagacttt aggggcagaa ggaatccagg ttaacaccta 36480  
atcccaaatc ccctggctct taaagatccc cagagatgga ggcgggaagg atctgaattg 36540  
caaggcaacc tatggtacta ttttaacagtc attgctgggtg tcccagtttt gttttctggg 36600  
gcaaaggagc aagatccttt gatcggtctc ccaattctgt ttcctaggtt gtaaatcaaa 36660

gatgcaactt gctctagatg gttttccagt cctttcttct ggaatatctg ctatcctctt 36720  
tctgttgagg actgatggga cacagagatg tgtgaatggg caagtcagca agtagatcta 36780  
tatctagatc ctatataat atgattctat ataattatat gctgattaaa atcattctta 36840  
tgtactatc catggaagt ccaaaccagg gccatgctct cttgactacc aaatattacc 36900  
cagtataata atatcattga ataaagaaaa aaatatgata ggtacaaaacc atggttttag 36960  
cactgctatc tcaaggacat gaaggaataa aatatcatgg cttcaactga ctcaagattt 37020  
tgctttttcc taattcagge tgaattttcc tctatgttag tcaaataaat gaatttatac 37080

aatataaagt taatataatt tcaaacata gtatgacacc ccatataaag tattaataga 37140  
aatttaaata taaactattc taagtaaaat acacatttaa agtaggcttt gatttgaaaa 37200  
ggaaagaaat agtacaaaaa tggttaacttt tatacatgta gagaaataaa atatgacaag 37260  
aagtgatcac aattatccag acaattgcta ggaacaagga agtagatagg aagccaccac 37320  
taaaaagtcc agcataagaa gtaagtgtat atataggatt gattttcaag tacggcagat 37380  
agaatccatt ttgttactgt gtaaaaacac cacatagtag catacttaaa atctttcaaa 37440  
atgtattaat tgaatttaa tatttataaa gttagtact tgttaaccag ctcatagtag 37500

agtagaaata gtaaaactaaa atcaggggtg agaggacagg agaggcatgg agaagatgaa 37560  
gagagagtct tctgtttga ggtaagggtc ctgggaatgt caaaacacag taatggacaa 37620  
ctcttctctc agcaagagag atgccaggag agtgactcaa caagctaaca agtagtctga 37680  
ggttatttat ttggtgcaaa agcaaacaaa caaacagaaa acacacatac ttagatgctc 37740  
actaagcaaa aataaactgt tttcactatt gttggaggca ggatggggaa ctcagaaccc 37800  
cattttctaa gtgtctgac ctactttcca accctgtttc ttggaacac acacacacac 37860  
acacacacac acacacacac acacacacac acacacatca aatgaatat gttctgaata 37920

ttctgtcccc aaaagttaac tgagacttta ttttaaatca aatgaaggta aattaaattt 37980  
ttttgatgct aaaataaaca aaacattgta atgccaggga taaattatag ttatttgcca 38040  
ttttcctct tatggaglat cttattcccc aattatgtca gatcaagatg acatcactcc 38100

cattcatctt cagttacagc gtgtccaaga gccagaagag acaccttctg acatcttttc 38160  
taggtccaac cctgttctct agctgctgat ctgcagtga cacttcagag atttcactgg 38220  
acatggctta ttagtctctt ctttagcctt ttatacttct ttgaacaat agatgattgc 38280  
tctgttaaatt aggcacataa cagactagaa aaaaaaatta ctgcttacca gaaacagatc 38340

gcacaaaagc taaccagata actgagtcaa acatttcac tcatttggtg gaggagtgtg 38400  
tataacccta ccatgagcaa tggcatgcaa aagaaaaaa gaaagggaag gggaacagat 38460  
tttaaacct cataaaaaat cctctggggg gccaaagctg gtggctcacg cctgtaatcc 38520  
cagcactttg ggaggccgag gcgggtggat cagcacgtca ggagattgag accatcctgg 38580  
ctaacacggt gaaagtctgt ctctactaaa gatacaaaat attagccggg ttagtggtg 38640  
ggtgcctgta gtcacagcta ctgaggaggc tgaggcagga gaatggcgtg aatccgggag 38700  
gcggagcttg caatgagctg agatagtgac actgcactcc agcctgggtg acagagcaag 38760

actctgtcaa aaaaaaaaa aaaaaaaaa aaaaaaaac ctctggggga tgaggaaaca 38820  
tttaaacat ttctgcaaat atgtatctcc acctatctta aagaatgtct gattatttgg 38880  
gggtatttac ttggccactc tccttccctt ctatgccctt ctccattgct tgctcagccc 38940  
caaccccctg ttatcattga actccccagc catgcagtgg ggtggcccaa cagcattcaa 39000  
acttagattg tttctcatat cagtagctcc caactgagac acgtagacc tgagacactg 39060  
agaactgctt aggttcatgt gcagaaaaag tgggaatggc aggagaagca gatgggcaaa 39120  
ggagaagaca gacaggccag aagtcacacc cacctgggct tggatgctgg gtctgtctgt 39180

tactagctgg gtaacaagt aaattcccca cttttccca ggatcaattt caagcataaa 39240  
ataaaggta tcicaacttt cactgaaggt tctaaagtcc atggtgacat ttattcattc 39300  
aaggggtctt tgttgagcac taaatgtgtg gcattgttct aagcactagg gatagagcaa 39360  
caaaagacac atatctctgt ctttgtggaa cgtatatatt agtaagggga gacaggcagt 39420  
gaagaaattt agtaagcaat gtatctactg ggctagagga aatgaatgct atggagaaaa 39480  
acatggagac agcaaaggc ggggtggatt aggaataatt ttaaattgag aagtcaggaa 39540  
tatcaaagta ctaatacaa tgaaagtctg atgccttccg ggtgatcaac acatgtttat 39600

ggaatgatcg attgaatgta catttaaggc atccctgaca ttaacatgta tcctgtgtt 39660  
cgagagctgt gtaagactgt ggtccagca atgtattaga acgtctatag agttcttaga 39720  
aaatcttaag actccttctt tctttgacta ttcagatata aacactaagg ctcaacagaa 39780  
agtgaggcat tttttatatt attggaggga atgtaaatta gttacacaat ttagaagcc 39840  
gtgtggtgat tctcaaaga cctagaacca gaaataccat ttgaccaga aatccatta 39900  
tgtacccaaa tccattact ttgggtatat aattccatta tatacccaa tgaatataa 39960

tcataataag atacatgcat gtgtacgttc attgcagcac taticacaat agcaaaaaca 40020

gggaatcaat ccaaatgccc atcaagatag accggataaa gaaaatgtgg tacatataca 40080

ccatgaaata ctatgcaccc ataaaaagga atgagatcat gtaatttgca gggacatgga 40140

tggagctgga agccattatc ctcagcaaac taatgcagga acataaaacc aaacactgaa 40200

tgtttctact tataagtggg agctgaacaa tgagaacaca tggacacagg gaggggaaca 40260

gcacacactg gggcctgtta gtgggtgcag gggagggaga gcatcaggaa aaatagctaa 40320

tgcatgcggg gcttaatact taggtgatgg gttgataggc acagcaaacc gccatggcac 40380

atgtttactt ctgtaacaaa ccggcacatc ctgcaaatgt atcccagaac ttaaacttaa 40440

ctaaattaa atttaaaaaa gaaagtgaag catttactca tgtggctgat tttctagttc 40500

tagaagtagt taatgttggc cttgtgtata ggtctcatat cttggtgctg ggtttccag 40560

tggagtatcc tgagtcaca aattcataca attatagaat gttttagtgg gaaagggcac 40620

tggagcacca tcttatttgg atgaaaaaaa caaatgccca acgaggtaaa ataatttgct 40680

taaagtcaca aaggtgaaga ggacttctct agcgggatg gaaagcaatc atgagtgggtg 40740

gggtgagggg ggaatgaaga agattcctga gggcatctga aatgttcatc tttatcatgg 40800

gctagtggga gagcgtgtca gcaacatact acctttaaga aatctagcaa tggcaagtgt 40860

tgctcagtgt gctttgggtga acttgcctcag cctgaactg gagttcttca tgcacaacat 40920

agtatatacc ttiagtcttt ctaactagat aacttctttc gggtagggtc ctttcccggtg 40980

tgtataagtc caaagtattt cttgttcaat gtacacattt atttctttaa caaaatttac 41040

taatagattg tgttaccagt caagcatgtc ataaatattt cttacttttc ttcatttgta 41100

ctgtacgcac aagcagttcc agccagcagt gcaggactgt gtgttttagc actgctttgg 41160

gggttaacac tttgaaaaga aggaatttgt gtttttacac gatcaactag attaaaaggc 41220

ggatatgtgt ctggatagtt tttctttccc tccgcccccc gtctcttcca cggcggctac 41280

agacctccca aagaaggaag gattcattag aacagcttgt ttcattgtat tcacacgaaa 41340

aatattattg atttgcctcc agggagtaga aataatggat ataaactagt ctacgatgga 41400

tttggggagg tattttttat ttcccaaaag aattgtgggg tatcatctgt ggcggtttta 41460

aaattcatct gtgcaaaacta atcaatgaaa aatggctata gcagttggcc aactgcagag 41520

ggggaagaaa ggaatccttt tcaaaactta aaaagaaaag ccagtttta aggatttcac 41580

atctgattta acatctaaaa aaaccccgca atgataatac cccactttgt atagccagac 41640

agcactccat tttagcagac tttagtggtc tttataacga tttatgaatc acttcatgaa 41700

ttcctggctg acicacatctgg gtgactatag tatctactta tacttccctt ctgtctcaca 41760  
 aaagagacac ttggactcag ttcaatccag atttgtcccc aaatgaatca cagcacgtta 41820  
 ctgggggaac tgcaaatga attcggcttc tgagacaatc aagaccagct ttcagtaaag 41880  
 aagaaacagc cgctgggaag tgtgggtaat tgcaaacactg tccactgggg caggactggg 41940  
 gcagggaag agctgtgtgt ccgtctgagg actctgtccc caaatagtcc aagagcctaa 42000  
 tctgtccctt ggaagagctt gtgtcccta tgagaggctg ggtcagtatt aactgcaaat 42060  
 aattcataag gtiggaaaag accaggactc aaaaatgatg gccigaacct acactgagca 42120  
  
 tgacaaaatg aagtctgtga agttggctgt aggtgaaacg atcacaaata ctttttgaag 42180  
 gagatgctca tatacatcat gagtgagtga gtgtgagaaa cagaaaggac agagtgttct 42240  
 ggaggaaagt ttctcctctt ggggtgtaggg agcgagtgtt aagtcaaaaa acaaaactaa 42300  
 tcaatgcccc aggcagagaa gtgtttattt tttttcttcg aaatgctgaa ataggaccca 42360  
 cagcattgca gtgtttctcc cctgtggaaa gaaaaaggga ggaggggaga acgtctcggg 42420  
 tatgtcagag aaatgaatta tgcaggacca agagaggagt tttctggaat atcctgactg 42480  
 cagaattggc tgtgactcag ttgtttgtct atttcagaat ctgacatggg gagagaggga 42540  
  
 agaaaggctg attctgcca atcctctctt taaaaagca ccaactgaa gaaaatttat 42600  
 ccagagtggc cctagacatt tgatgtaaaa aattctacta tgaaaaaaaa atctgcaatg 42660  
 atatcatctc ttgggtttct ctgagtgggt cagagcaagg ggattaaact atagtctgt 42720  
 agcaaaggca agaattcttc tctgtttcag catggtgtca gacatagcgt tcaatctact 42780  
 ttacaataga atgcattaga tgaaagaaaa acgttcagaa gagagtgtaa tgagaatgtc 42840  
 agatgagaaa caaggcaaaa aatcagtgtt atttttgtct aagcatgaga aatggaggca 42900  
 tggacataca aaaaatggac tatccagtat ccagtatcc ttctcatggt ttcaaatgc 42960  
  
 aaacactagt ctcttgaaca caccagcaga actttgagaa ccaacttta acgcagtact 43020  
 cctgccaagt gtggtcaggt acctttgga gccacaacca gagaagatgt caaaagtcaa 43080  
 cataatccat acatttgaaa agaaactggc cgggtgacgc ttcagtcatt aataacatgt 43140  
 gctgtttata gtgtttttt tcttccctca tattgaatgt caggatcagg aattttctgc 43200  
 accttctctt aaagataaga ctcaacattt gactagagaa atgaatggaa ggaaacagca 43260  
 tataatttaa aaatacaca ttagtgaagg gcgtttggct cttatagatg gaaagggcaa 43320  
 aaacctcag atacttgcta ctgttgcgta tctccagcac cttatctagt tctacgagaa 43380  
  
 ggtaagtatt gaacaaatgt aggtcattgc tgctgaagaa ttactctgct gaacatggtt 43440  
 ccacagacct ggttctcaac ttgggtccaa ttctgtgcc caggtagatg atacatttgc 43500  
 ccacttgggt caaatgtcca gctggatatt atatttcac agcttctggc tccgagggga 43560

gaatatgtat tcaagagaat gagcctaattg atgtttctctg aggggaagga tgagtaaaac 43620  
 agaaattttt tctccttcta actaaacaga aaagcaacca aagactatgt ctcagaaaag 43680  
 gacacaaaca caaaagggtc atccaatgaa ctttgccctct gggtttctgc tcacctccat 43740  
 actctcctta ccagcaatca acacagttct tcacgtgcag aaagataatc tcttagcagc 43800  
  
 taagtctcct gactgtcgtc acgtgggaaa ggaaaagacc atgaagattt ctagatcgcg 43860  
 cctttaaaag actaagtaga ggcaatcctt tgaccagcct attctatgtc agagaggaag 43920  
 cactttggaa tatgtggatg tcttgactca ggctagaatg gcttgtgggc ttttgctttg 43980  
 agaattctga ctatatatga ctgcctgttt cagaaacagc atatgacaag aacatactaa 44040  
 caagttagaa taataccatg agttagtgtg acttccattg ttgcttcatt ctattgtaat 44100  
 aaagtagagg ttgcaagaag agaaatgcta tttcacttaa gcccttcttg ttactgtcat 44160  
 gactcacttt cctgactgaa aatccaaggg gactaagaag acatcatctt gggttaaca 44220  
  
 tgaggtagat ttgtttggaa tatggaaaca aaataaagat ggttgatttg gcttttgag 44280  
 gccaaatgac ttccttgga cttaaaacat ggtttccttt ataggcatcc taatagttgg 44340  
 tttttgatat gtgattgtaa ttaatctaaa atgaagaacc agtgcatttc aaaaataaaa 44400  
 cacaggtgga taaaaatctg atataacaaa cactgaaacc acaagtggag ctgtctgctt 44460  
 gggagagtgc cccacagaaa ctgacgtcag tgtctcctgt cttcccatga agtgggccga 44520  
 agcagattgt ggaggtggaa gaagaacaat tgcctgctct gggatactgt aaccactctc 44580  
 agaaataaca aatgaatgag agtagtattc ttgcttccat ccacattcat tcatttcaca 44640  
  
 aaattcctta ggcttctcct atcagcactg agaggtaagc attctgcaca aggtagccat 44700  
 caacctgaca tagtctctgt gctcaggag actggggccc ctgtagtgtg atagaagcaa 44760  
 ttagtaaaaca aacagtgcac tttcaggag cgagaagtca atgaagaaa attaaagcag 44820  
 agttaagag taaagggagc cagctactcg ggaggctgag gcaggagaat ggcatgaatc 44880  
 caggaggtgg cgcttgcatg gagccgagat cagccactg cactccagcc tgggcaacag 44940  
 agcgagactg tctcagaaac aaaaagtaaa gggaggcggg aaagaaaagt tttagatagt 45000  
 caagaagggc ctttctgaag aggtacaatt tgagcagaca tcacaaagga aggcacaggt 45060  
  
 catgtgaggt tctgatgaga gtggctttca ggtttcagga acagcaagtg cagagtcacc 45120  
 aaggcaagac tagtgagtgt tttctagaaa ctccaacagg ccagtgtggc tggaacagat 45180  
 taaacaaggg aattgacgat aggtgaattt agcagaggcc gtaccataca gggatcatgt 45240  
 cactacaaaa tggagtttga attttatttc aagtattaac caggagagag tgtgaacata 45300  
 tattccattt acatcttaaa gggtagctct tgtggtgtag agcagtgcc tgtgtgagct 45360  
 ggtgggatga gggtagatga tcacaggtag gcaagacttg atgtagagag accagttaga 45420

ggctatttgc ttaagatggg aggggacagt ggcttgaact agggaggagg attggagttg 45480  
  
 attagccttg aaatgtattt tgaagataga gccaacagga cctacagatg aattagatgt 45540  
 gagagtgttt gggaaaaggg aagaatctga gttgactcct aggcctttta ggtttttaac 45600  
 agtaagtuga agataactat atagacttaa ctcttgattt tctccatta tcaagaaaca 45660  
 cattagactg aaaattatgt tcataaaagt agataggtcg ggggaagccag tttagcaatg 45720  
 ttgttttgtt gttgttgttg ctgttgattt tttatctttt tcttttcttc cggagccatt 45780  
 cacaatcact agactggtaa aaagaaagca accaatgtca tctatttcct tataagtgtg 45840  
 catgtgactt ccaggagcat atcaggggag tgtatttaag aagttattag tgagagaaga 45900  
  
 aagttcattc caaaggccaa tgacctaaact gatatttgcc agaggatgaa gcgtggcctt 45960  
 ggccatggat cctcaatagt taagaagctt aaagactggc tggccattct accctggaat 46020  
 aaacattgag aagtaccaga aattttccat agatttaaag aaaacaaaat aggaagaggc 46080  
 caccaacctt ttctaacta aaacccaaag ctttcactc cattttcaa aataggatat 46140  
 cagaattttc tgcctctgta ctgctcacia cattgagatc aggaacaact tttattacat 46200  
 tcaacaattc ttgtgtgtgt gtgtgcgtgc gtgtgtgtgt gtgtgtgtgt gagtgcattg 46260  
 gtgtatgcgt gtgcattcac atgtgttggg taaggagtgg attttgacc ccacctctc 46320  
  
 taatcttgaa tatctgtgga agttaacctt tctagagaga aactggtcct ctcatgggat 46380  
 gctaaatgag gataatggct tgacttctgc ataaaaatgc tgtggcccaa agagaaagaa 46440  
 tgatgttcat gatgacatgg cacaaggtga gccccagag gggacactac cagaggatga 46500  
 catggatgtc aacatgcagg ctgataaaaa tggttatttg aggtttatat ttgtctttta 46560  
 actatggctt ttctcaacta ttccaatgat caagattgac aaacttaatt gcctgtgttt 46620  
 atttgttacc ctctaagta gatagtcttc tgtatgtgtc agaaactctc ttaatttgca 46680  
 tcagtacca cagagcagtg ctactagac aaattgcaac cataagatga cacgcagtcg 46740  
  
 tgcagtgaac tcttagtcat atccaagttt tctcagatat aatggagaca agtgagacca 46800  
 agttattgct ggattagctc tctaattttc agatgttcat cactttgtct tcaaatgga 46860  
 agtaattttt tttttgacac tcagcgactc ttcaaaacc ttgtagttca tgactacata 46920  
 aaatacaagc ttcaaatgc ttagggacaa aactgtcttt acaaatggtg ttaaaaagga 46980  
 aaataacata atccctattg tgctgttca ctaatccagg aggtacaaaa cagtgtcttt 47040  
 ggctatttga gaacaagatg aaccattttt caattctttg tctttttct tctatcaggc 47100  
 agagaatata ttctgaactc tttgtgggtg gataacagac tagggaggaa tttggaatgt 47160

gtgcaagagt cactacatcc cccttattgg cccaacacac aacttcttgt cctcaagtta 47220  
aagcccaaac ccctaaatgt ggctgataag gttactccct aatttctaca ctaagctcca 47280  
cccttgcttg gctctcttcc ttcttagctt ttgtatacaa cacttggtgt acatagtgtt 47340  
gtatacaaca ctgtttgtac atagtccttct tgctgtagg ctatcagttt tcaggaaaaa 47400  
atttctctct ctagtccttt ctcccaatt ttgggttatg tgctcttctt gtatgcatcc 47460  
acaggccctt atatcatccc ttcataatac tctaaactat gattgcctat tggcttggtg 47520  
tcttcggtta gactggatac tctgagaggg caaggcttct gttggtctta ttaccacta 47580

tagcctcagt gtccagcata ctgcctggta tataaacacc agcgaaagac aataaacaaa 47640  
acaacagtaa acaataaac ctctagtgc ggggtagatt ttgatatgct taatatttga 47700  
tatgatgtat atgactatta cacatatact acattaaaga gagtgagaaa aaattatcta 47760  
gggtgtgtgt gtgtgtgtgt gtgtgtgtgt aaaagctgag tggtttaaga taccaacatc 47820  
gctgattact cagaaagtcc tggagaggaa agaacagcaa agcaacaggc ttagttttta 47880  
gttgttcaga cgctacatat acaataaagt gagaatggtg agtgcaggc actagtattc 47940  
aagatttcaa gaaagcaatg tagagaaacc acaaatggat ggtggcaagg tactcctagc 48000

aatgtgtttg tgtgcctgaa tgtatataat agagcaacta tgcatgtat caaagtacgc 48060  
aggttataca agatgggaag aacttcaga attacggcta ctgcccttct gatcaataaa 48120  
tcaagggat tttgtcttc tggaaagaca ctgggacctg ccaatgacct ctgtcttctt 48180  
aggcattccc ctcatgtgtc ttttacctt ctcaaactt ccttaggacc tatcactgca 48240  
ttactcagta catggcagta tggaggtcac caggaaactt aaggttcctg ctcacaaaaa 48300  
gctaacaatt cagttagcat ggagacatct ggtaaatagc atatacatga aacagatgat 48360  
aagatccaag ggattcatca agggaaactt attttgtgaa ctgtgagagg cagaggagag 48420

gcttcctgca tcgagaacta aactgagctc caaaggtgg gtaacacttg gtttaaggata 48480  
ggaagaaaaa ggaagttttt atatagaaac aaagcctgaa ttaagacacg gaaaaagga 48540  
aactaagtca taagtcagac tggtttgggt agagctaaag aactttacag aattgcaaag 48600  
ccattgagtt gaaaatcgtt gctgtctttg accctttagc atccaggcaa gcaacattac 48660  
attccaatg atcaattaga aaatgatacc tgtgagacta caaaattagt ctcaacaaat 48720  
ttttcaaatt gtaatcatat caagtatatt ctgagctat gatggaataa aacaagaatt 48780  
caataccaga aagaactttg gaaaccatac aaatacatgg aaattaacat gctcctggat 48840

gaccactggg ccaaagagaa aattaagatg aaaattaaaa attttcttga acaaatgaa 48900  
aatgaaaata caacatccct atattagtct gttttcatgc tgctgttaaa gacgtacctg 48960  
agactgggca atttcaaaa gaaagaggtt taattggact tacagttcca tgtggctgag 49020

gaagcctcac aatcatggca gaaggaagg aggagcaagt cccatcttac atggatggca 49080  
gaaggcaaag agaatagga ggacgcaaaa gcagaacccc ctgataaaac catcaggtct 49140  
cgtgagactt attcactacc atgagaacag tatgaggga acaaaccca gtgattcagt 49200  
tatccccaac aggtccctcc cacaacacat gggaattatg ggaatacaat tcaagatgag 49260

atttgggtga ggacacagag ccaaaccata taattccacc cctggcccat gccaaatctc 49320  
atgtcctcac atttcaaac caatcatgcc ttcctaacag ttecccaaag tettaactca 49380  
tttcagcatt aactcaaaa tccaccgtcc aaagtcttgt ctgagacaag gcaggtctct 49440  
tccacatatg agcctgtaaa atcaaaagca agctacttat tteccagata caatggggat 49500  
acagacactg ggtaaatata accattccaa atgggaggaa ttggccaaaa cagaggggct 49560  
acacggcaca tgcaatttca aaatccagtt gggcagtcaa atctttaagc tccaaatga 49620  
tctcttttga ctccatgtct catacccagg tcacactgat gcaagaggtg ggttcccatg 49680

gtcttgggca gctccactcc tgttgctttg cagggtacag cctgcctcct ggttgctttc 49740  
atgggctggc attgagcatg ggctggcatt ggcttttgca ggcgcacagt gcaagctatt 49800  
ggtaggatcta ccattctggg gtctggagga cagtgacctt cttctcacag ctccactaga 49860  
cagtgtccca gtagagactc tgtgtgggct ctccaacccc acatttcctt ttgcatgtgc 49920  
tctagtagag gttcttcatg agagctgtgc cctgcagca aacttctgcc tgggtatcca 49980  
ggcatttcca cacatcttct gaaatctaga cagacgttcc caaacctcag ttcttgactt 50040  
ctgtgtaccc gcaggctcaa caccacatgg aagctgcaa ggcttagggc ttgcaccatc 50100

tgaagccatg gccagagctt caggccctt tcagccattg cttgagtggc tgggacgcag 50160  
ggcaccaagt ccttaggctg cacacagcac agggaccctg ggccaggccc tggagaccac 50220  
tttttctcc taggccttgg ggcctgtgac tggagggact gctgtgaaga cctctgagat 50280  
gcactggaga cattttcccc attgtcttgg gaattaacat ttggtctctc gttacttatg 50340  
caaatttatg cagccagctt gaatttctcc ccagaaaatg agattttctc ttctaatagca 50400  
ttgccaggct gcaaattttt caaacttcta tgctctgttt cttttttaa actgaatgct 50460  
tttaacagca cccaagtcac ttctgaatg ctttgctgct ctgaaatttc ttctgctaga 50520

taccctaaat cagctctctc aagttcaaag ttccacaaat ctccaggga gaggcaaaat 50580  
gccaccacta cctttgctaa aacgttaaca ggtcacctt tgcctcagtt cccaacaagt 50640  
tctcatttc catctgagac caccacagc ttgactttat tgcctgata tctatcagca 50700  
ttttgggcaa agccattcaa caagtctcta ggaaattcca aatgtttcca cattttccta 50760  
tcttctctg agctctccaa actgttccaa ccctgtctg ttaccagtc ccaaagtgc 50820  
ttccacattt tcaggatat actgtagcac cccactctac tggtagcaat ttactttatt 50880

agtctgtttt catgctactg ttaaagacat acccaagact gggcaattta caaaagaaag 50940  
  
 aggtttaatt ggacttacat gtggttgggg aagccttaca atcatggcag attgtaagga 51000  
 ggagcaactc ccattttaca tggatggcag caggcaaaga gaatgaggaa gacacaaagg 51060  
 tgaaaacccc tgataaaaac cctcagatct catgagactt atgcactacc aagacaacag 51120  
 tatgggggaa accatccgga tgattcaatt atctcccaac agatccctcc cacaacacgt 51180  
 aggaattatg ggaatacaat tcaagatgag atttgggtgc ggacacacag ccaaactata 51240  
 tcagtcccca cacctgtgga atacagcaaa agcagtgtca aaagggaagt ttgtagcaat 51300  
 aaatgcttat atcaaaaaag tagaaagatt acaataaac aatctaaaaa catacctcaa 51360  
  
 agaactagaa aaggaggaac aaaccaaacc ccagatttgc aggaaaaata aagatatgag 51420  
 cagaataaaa tgaatagaa actaaaaaat atacaaagaa gcaaccaaac aaaaagctgg 51480  
 ttattggaac atataaatga aattgataga caatctacca agactgaata aggaagaaat 51540  
 aaaaaacctg aacagaccaa taatgcataa tgagatggaa tcagtattaa aaagtcttcc 51600  
 caaaggaaaa gccaggacc agatagattc acagcaaaat tctaccaaat gtacagaaaa 51660  
 ctaattccaa tctctggaa actattccaa aaaattgaag agggaattct cccacagtca 51720  
 ttccatgagg ccagcatcac cctgatacc aaaccagaca aagtcacaac aacaataaca 51780  
  
 aacaacaaaa ataaaactgc aggccaatat ccttgataaa cagagacaaa aaatcctcaa 51840  
 taaaatacca gcaaaccaaa cccaacagga caagtgcgat ttatcgagg gaagcaagga 51900  
 tgattcaaca tatgcaaat aataaatggg atataaaca tcaagagaat gggcgcaaaa 51960  
 aaccatatga tcatcagtt aatagaagga ataaattcaa tgtctggtta cagaataagg 52020  
 tgactatagt taataaaaa acatattgtg cttggttgtg ggacatccta aataccttaa 52080  
 cttgatcact atgcattcta tacatgtaac aaaatttcac atcatatgcc ccataaattt 52140  
 gcacaaaaat aaaaataaga taaaaataa agaaaataa gtcaaagaaa aagtcaaagt 52200  
  
 tacttatgca aattactgaa aggccataga agatcataca tgtataaaag tacctagaat 52260  
 tctagcaatg ctatatctga aataatacat tatgggtgaa aagaggaagc cttccaata 52320  
 ctccatagag actaaaaaaaa actggcattc cttatttgg aaagtgatt tgactactgc 52380  
 tcaaaaataa ttgttcctca tattttctgc tgctgattca tacactagat tgaatactct 52440  
 ccaaagagac cacacatccc ttctttctgt gatattatga aatatatatt tgggtcttct 52500  
 cccattcctt ggcatacaac ttctgaaatc cttggaatct tcaaagtgat agtgtctttt 52560  
 tgtatgctaa ttagttgact gatggctggc agcctctggc tgcctgaaag aatgagactg 52620

agactggcaa ctggagagac caaggcagga ttagaggggt caactttcag cctcaacccc 52680  
 caaactctga gggaagaggg gccaaagagt aaactgatta ccgatggcca atgatgtaat 52740  
 caatcacgcc tatgtaatga agtctccata aaaatccaaa aggactgggt tcagagagct 52800  
 tctggatagc tgaacacatg gaggttcctg gagggcggta ggcctggaga gggcatggag 52860  
 gttctgtgtc cttccccgta tgccttgacc tatacatctt ttcattggta tcctttataa 52920  
 tgtcctttat aataaactag taaatgtgtt tccctgagtt ctgtgaactg ctccagcaaa 52980  
 ttaatagaac cggaggaggg ggctgtggaa atcctgattt gtagtcagtt tgtcagatgt 53040  
  
 acaggcaaaa tcacccaggt cttgcaactg gcatcagaag tggggggcag tcctgtggaa 53100  
 ctgtgtcctc aacctgtgga atctgacact ctctccaagt agagagtgtc aggataggtt 53160  
 gcaattagag gacaccacgc tgggtgtctac tgcacaattg actgcatgct tagtgggctg 53220  
 ggggaaaacc cccacacagt tggtcacaga aacgttttgt gttgattatt gttgagttag 53280  
 agaacagaaa aaacactttg ttttttttcc ttatatttac actttctttt cagtcttttc 53340  
 tggctcagcc atgggctcat aggaagccct tcataagcct ctccactgtg gtcaatccac 53400  
 aggcctcctt cagctctatt acctgaacga caaagcgac tgtttgtggc cttcttcaga 53460  
  
 atgaagagag gcagctgaca ttctcttgta aaagatgagc aaacacaaac tcagaggatt 53520  
 tattcttgga attgtaaaat ttctgcattt caaaaagaga ctcccatcaa tatttttgtt 53580  
 ttctctggtc taacagacat actatgaaac tcattgaatt aacatttcca aagacgtga 53640  
 gtctctctca tgggaagcca ctgtcataaa gtaccactgg ctcatcaca atgcatagtt 53700  
 aaaacaccac ttcccgtaat aagttagatc aacattaggt gatgtagtgt gctgcttaaa 53760  
 tcaactgaaat aatgtgtcat tcagataata ttcaaaaata aaaatggaac cttgttagat 53820  
 tgagagaact tgcatttatt ttattttatg atggtaagga tcaaagaact tgacgctaac 53880  
  
 tgggtagatg tgggtggacct ttctgactt ctgacagtga ctacagccat tttttttagc 53940  
 atgtgaaagc taagtaaatg atgaatcaat gcccgcaagc aggaaaagat gccagtttcc 54000  
 cactaaaaat cgcagagtgt gataaaccta ttcccgtaa gaaaactgcc ggagttttta 54060  
 ctgggggatt tcccaggcaa acagaggcaa agatatacaa accaaaagcg gaaggtaagc 54120  
 acatttctc ttagtgtttt tatgtctggac actaacgcaa acctgggtgaa taagtcaggg 54180  
 ctgtttcaag tcatcttctt ttccaaacct gattggaaga gagaacctgc catactcaca 54240  
 ctgtccact ccagctggga aggcaaggga tggggcacac gtccagtagg ggagaatata 54300  
  
 gcagcaaggc aaaaccacaa agtgcaaatg tcattttcat tctccatca tataaagtac 54360  
 ctcttctc tcattttccc ctccatgat tatttacatt atcaaccct atgatcattt 54420  
 aacaacatcc tctgacttcc aaactgaatc actcagctat gccaaagctg cctgtcttta 54480

ttttagtatt cacagctatg aaaggcctgt ttcattgcat gtaacttact aggcacttta 54540  
 tctacttagt ttattttaac ctaattcccc ataagggtga atctaaatct caaaaaagct 54600  
 aagaaacacc acatcatcta tgttggtatt ccaccaaaaa tatttacaat gaatctgttt 54660  
 aggataaaac aattacacaa atccaaacca tggaaccctg gaacactgtg taaaataaat 54720  
  
 gtcccgagtt cttcaaaact gtcaatgttc tgaaagacaa taataataac aataaaaagc 54780  
 tggagaactt cattagagtc aagaagatga aaaagaaata aaaattaaat gcactgtgag 54840  
 atccctatta gatccctgaa tcacaaaaag gaaaacaaac aaaaatctcc agctatagaa 54900  
 aacattattc acaaaatttg ggaaatctga atagcaagta accattagag aatagtatta 54960  
 tatcaatgtt aaatttcttg agtatgatta ttatatggg tttatgtagg agaatgtcct 55020  
 tcttaggaga tccctactga agtaattagc agtaaagctc agtgatatct gcaaccatct 55080  
 gtcaaatggt tctgcaacaa taggcaggaa aacaaagaat caccaaagtc agagagagag 55140  
  
 agagagagag agaaagagag agagaaagaa agagaaggaa gggaggaggagg ggaggaggagg 55200  
 gaaggaaaga aaggcaaaat attgacaatg ggtgaatatg agtgccaggt acatgcatgg 55260  
 gtattcattg tactattctt gccattcttt atatgttaca aactttcaag aggaggaata 55320  
 aaaaatacaa aatgttaaaa aaagacaaac acacaaacct caagcagcag gagcagctaa 55380  
 ggaacttgcc cacagccaaa cagttagcaa ccgtcagaac tgagatgcaa atttcaggca 55440  
 tttgggggtg gatattgttg tctttgactc tgataataat taaaatcttt ttctacatgt 55500  
 attcttttaa aggctgcgta caaaaaggag actcaatgat cgtttttgtc ttatatctt 55560  
  
 gtaagagtt gttatgacta tagataagga ggtgcagtga agggagggtc cgattgatca 55620  
 ttcctgagct tcacgacatt gtggatggag taagattctc agccaggcag aatgaaatgt 55680  
 gatgatgaaa agtccgtggc taatatcatt tagaaccaaa cagaaaacta tataaaatgc 55740  
 atttttttta aaaaatctta atttatagga atatatcaga caagtggaag aaaagatttt 55800  
 ctgtctgcaa cgtctgtgaa cttaatggat ggttatcatt tgcgctgctt tgctgacaga 55860  
 tcttggtgga ggaggctaatt gatttgttta cactttacct tgtgcataga actgttttta 55920  
 aaaagtccag catcttctga ttcatattgc taattgcaa tcagacatat ccacatggat 55980  
  
 cttttataat cacctaaagt tcaaaactct aaagtcagtt tattattctg tcttcttccc 56040  
 cttctctcc actcaacatt gtttttctt ccacactacc acactctttt tgtatttttc 56100  
 agtttctatt aatgacacaa tcttggtatc taggggtaaa acttataaat gaattttggt 56160  
 ccctctctt tgctccacat atatattaat gattagtaat tctgcctcct aaataattgc 56220  
 tcttgaataa attctccatc ctactgctt tgccttgctt caagtaacca tattgtcac 56280  
 aaggcctcct gcaatattct tctccttggt tttccgtct ctccttcag gttcagttac 56340

tcaactatct tgccacctga attcttttgc tgtaatgtca atctgattgt gtttctctct 56400

taacaaagag cctataatgg ttcttcactc ctagcaggat aaggggcaaa ttccttagca 56460

tcaaatacac aattcccaca taagccaacc taatattatc tgacttcac agccatgtat 56520

gcctggatgc tgcacccca agctactgag accgtccctg acgggtgctt tctgttctt 56580

cacatcttgg atatgttctt cttgtctgct gggatgctgt gccccactg aggcattccag 56640

aagagcctta gtcttcttc aatgcctaca tcaactgtgc tttctttccc tcacccccga 56700

gacagattta gagacatcct ctttaggctc ctgtgggac tctattacat catttaacca 56760

aacagcctta ttatacttca ttggaatgcc tgcctcacc attcaaacct gtaagggcag 56820

gagcatatct taataacttt ttggactcca gcatccaaca cagtgtctga cacatagaag 56880

gtattcaacg gacattcatt aaacaaaata atattgataa aggaagaaag tcataaacag 56940

taaaatatat atggtttctc agaattaaaa ccacatatta ccaaacctcat aggtcaggcc 57000

aacaatgatg gaacctgatt tcaccagtaa tctctaagtt acaaaccttt tattcctgct 57060

gcctattcaa ccattattt tgttcaacaa ttgccagaac ttctttctcc tctggatgac 57120

tgggagtaac caggtaggct aactcaagcc agatgacaag tggagagagg tgacaagagg 57180

tgtgttggac agctcggaga ggactgaagc atccaacctc cttccaaagc tacctgtact 57240

gatgcagcca tacacttgcc cttgggcaag agaagtcat tacagcctgc tccacaaaaa 57300

ggggaaggag atggagaagc aagagatgca gactcttatt ttggtttgtg gtacacagaa 57360

gcacacgaga ttgggaacaa gaagtatgaa gggcctcgaa aggcctctgg ggccaataaa 57420

gaattcagga gtaaaaatat catgaagatc atggttgttt aaaaaatttc tcccagaagt 57480

cctttgtgag acagatatta atataaagta ttcaatgagc agcctacata aaatcctgtg 57540

ccttaacaat actgatttat gtggcgaggg caccatctga catcggaag tgcttcgacc 57600

tgcataatac ttaccttaaa attgggtctc tgaacagac cgatgaaagg tagaaagaca 57660

gggaaattct ggtgtgttcc cagcatctga aactttggct ggctattgcc agtatcattt 57720

catttgtttt cccgtggaaa aatgaacag ataatgagat atttggcca cgtgctttgt 57780

glatgtactt ttaaaatgac acccttgggt aactcaacc accaacggat tattaataaa 57840

attcagcaac tgtcaaggca cttgtctgtg aaggaggtt tggcggcgac acctattagg 57900

agagagagac agatggcctt acctctcagc tctgcgtcc acagctgtga gtggaggtaa 57960

ctgggaggag gggttgtgag ggctccctg tacattatgt cctggagaag ggtgactgac 58020

aggatgtggg ggtggtacgg cccagcagc tgttcactt cggcttgaat aattgctgga 58080

gaaaatggga gctgaaatca agggagaaca aacatgagac cgtgccccaa aggaagccca 58140  
 cgttttttaa ataccgaagc ctgacagcaa gcatatttga ggggcttgct tgtttttctc 58200  
 tcagtggttt tcaggaaca gttctcccct tcttgggtac acacagcttt tattttcatg 58260  
 gtggaacagg ttctccgga gctcacgtct ggctcgcttc aggctgatgt tcacggtctg 58320  
 tctcctaagt gctgccatgc cctgccagtt cctgtcttgg acactgtata attagtcagt 58380  
 cttgtactgt ttgcatctgt gccaaaggtct ctgtattagc acttttcagt cacaggggat 58440  
 gagagtcagg taacagaata tttggtcagc tgactgagaa gggcacagca caggccttct 58500  
  
 tcctcttctc actgctgcag tgagccacgg taggtcagct ggggcccctc tctgtcactg 58560  
 ctaaataaat gtaatgagaa ctggagcttc cctgaccta gcatgaacgt aggatcctgc 58620  
 acccttttaa ctttagagtc taactaacc agggaatttt cctgatgggtg tgatgaatat 58680  
 acttggcctt catcaaagga gtctctcaaa ctacgaaaac acagcttcgg gatctcccc 58740  
 cactgttgcc cgttatgaca cagagagtga gttacagtcc cattcgatg ggcagcctag 58800  
 ccttcgagaa cggatgtgta cctcaaagc gaatacgtgc ccatttagat cagctaattg 58860  
 gtacgatgtc acagaagaaa ctggggcttg tcactttcac agtctatcag aaaggttccc 58920  
  
 tcagtgtctg ggacctactc cgtagacatc tcattatgct gcaatcatag cagcagcatt 58980  
 aggctgattc tctttaactt cttcttttgt acaaagtat gctgagctcc ataccattt 59040  
 ctgttctttt tgaacttact ctactaatat caaagaataa atggattttt taaaaaata 59100  
 aatcaggttc aggattaaga aagagaagcc acattatcga aaagatttga gggtttaaaa 59160  
 gttcaggagg ttgtattttt ataccagtac cacttttccc caacctctcc aggatagaat 59220  
 aagtacccca gatgacctag cccccaaaag cttaatccaa tggaacaaga gttcaagtat 59280  
 ttcaaggaac atgtgaagag gcagaattac catcttcccg ctcaaaaagc tactgacaag 59340  
  
 ggtgtgatct gatttgaagg gtttatttct ggtaaatcag cattctgtca ggttaactct 59400  
 tgtcctcaga agcctgtacc taccacagtc ctccaaagag gtggtgaggc ctgaaaatgc 59460  
 ttaccagttc agaaaggcaa ggctgagctt ctgttggttg cgctcagctc catacaagtt 59520  
 gcatatttgc aaactcacta gagtcacctt atgaatcact aacctcattt atgctcagct 59580  
 agctcaggga accacaattc tgcttgtatt ccaaataata attttactca ggggagaagg 59640  
 ctgtttggat tgactgtggc aatagtttca aaactggtgt ttgtcagcat ggagcttgg 59700  
 gttttatata ctattccaaa atctaattga ataataaagg tcatagagat actatgaaaa 59760  
  
 cacagctaac tttttttttt cctgcttcag ttagaaaatg tgagttctcc tattttttt 59820  
 gtgttagttg ctgaatgcac ccagtattta tttttccca gaggtttttt tgtatgtatg 59880  
 tgcattgttt catcacaagg gaagcattgc ccctgtgttt tacaacccaa tgggcaacaa 59940

ggaaacttgg tgtgcacact ctgtgctctia ctctatggtc caacagaaag tgtgctgctt 60000  
 ctgagaggtc tgtattagct atacttggca ttagctacaa tgacataggc tgggaaattg 60060  
 gggattgttt gtagcctgcc actcgtcag agttaagcct ggtttaggac ctctctttca 60120  
 tcccatttaa cagccaggaa aaaccatcca tcatccacct gcccacatcat ccatctgttc 60180  
  
 acccatctat cattcagccg ttatTTTTat attccatatt gataagtgtc tattacgtac 60240  
 ttgatactct atgtgtgttc ctgcccttgg ggaaactgta atttaaatgaa gggagcagac 60300  
 ctctatatat cgattttacc aaaataccaa gacctattag tataaatcat tggacagtgt 60360  
 taaaagcact ttaatgcact cattttgtgc ccacaaatgc atcctaagct ctggccaaac 60420  
 cagacaactg accacactca aatgtattat gacaatttat actactgagc ttttttctgt 60480  
 gatgtcctct acctttttct acttacttca ttacatttgc tctatatgca gagttaactg 60540  
 tgttcttttt attcttctct tagcgggcaa ttattccaca aatatgtata gggtacctat 60600  
  
 catttggcag acatgaagct aggtcctggg acaggaaaca agacatcctc ggtgcctggt 60660  
 atctccaaac agcatcagtt catgttcatt gagtaacaa agatgaacaa gatataaatg 60720  
 cccatggaat ctcggggtc agtgactagg acagggacag aaaggaacat ttatccacca 60780  
 actcctatTT ttcatTTgtt gacggttgcg ccattggtca agattaatTT gctcacactt 60840  
 tgaggggcac gtgtaccaga gtggctaaat gttctcacag ataccaaca tcagggtatc 60900  
 agagaagcct caggggaagaa agccagaggg acatggtgca gttgaggaga ggtgctacca 60960  
 tgctacggct ggtgcattag ctggctgcat tagcaaaggc cactagaaac aggtggtgaa 61020  
  
 ggggatgcta ggtggggcac acgagggtgc aggtataggg ctgaggggtc cagaatatgc 61080  
 cctccagctg tgctggtttg actgactgcc agtcaagccc acgtcaactg gtgttgactg 61140  
 accaccagtc aagcccatat ccatagccct tcccttgaat gctatggctg gtgaagggga 61200  
 cagaaatggg cagtggctct cttttacggc cccatgagaa caagaaaggg agggctttag 61260  
 ggttcaatTT aaaaactgga tttggaaaat gtacttctta tctagggtgg aggaaatcac 61320  
 ttctctggaa aacaaggctct atgacttgc tttactttct atagtatagg aaaatcttac 61380  
 ttctggtgag aaggtgagat tacaacctag tagaagcctg taagtcagtg tctacatgac 61440  
  
 agcactttgc atgccaagtc caggccatga ctgctcattg tagacgttgc ttgtgaccaa 61500  
 gatgatgacc agaaatttgg aggaagtaac aacagacaca agcatgcttt ccaacattta 61560  
 tccaatcccc atctcacata ccttcaaaa aaaatggaca acactctgga gtcagagagc 61620  
 tgttggttca acagaattgt ccttggtctc tgccaatgat ccactgtggc ataggaaatg 61680  
 ctcttttact tatcctgatt tctaggaatt tctgaccata tcacagtcac gcatccagaa 61740  
 ttcaatcttt attaattact acagtctagg aatattcttt tatgcattca ttcttccaaa 61800

cacaattttc cagcacctac tctgcaccag gcaggtgcta atctccatta atgttttaag 61860

tctgaatata tgccgacttc atacagactt tcccaccaca acatatggtt ccagacaaat 61920

gttcaggttt tgccaagtga tttttaacct caggaagaaa atctccacct tagagtaaaa 61980

ctgtaatgtc attcgcaaaa ggaaaaactt cttttcatat acattcaaaa taattttcca 62040

aactcaacga atagggcaca caattgtggc ctatcgatca aaacataagg aagagagctg 62100

atccctccag gatacagggc aatattaaca aaactgttgt catcaaatca gccgacacac 62160

acaggctgcc cacaggagca gccttcattg tctgtgtcaa ctccggggtc attactgctt 62220

tcaaggctgc aagagggctt ctaagtgaac ttccagacat acctgatgac tggcagctgg 62280

aacaactgat taagcacagc agaggaacat attggaaatt cttattgctt ttgtgattaa 62340

gagatggtag tctccctgag gaaataaaat cctgttcttg agatgaatac gtgagccttg 62400

tcttcagcag aggccagcta ctggcctccc tgcctccatg ggctttctct ttcttagtgg 62460

cctggctcac tgcagtctct catccatcta cagtagaggt aggtggaggt aactcagttg 62520

agctttataa ttttaacaaa gcagcatctg ttgatctatg tggttctcag atgccatctc 62580

ataggtacc agagcattct aggcctggcac ctttagctca ggtaatttg gttagtatgc 62640

agttctcttt gtccaaatga aaaccattaa tctatatctt taatgggtat aaacagggca 62700

cccttggggt tacttcagct gtaacatatt tattgtgtgg atggaggag gccaaagagt 62760

ttagtagcat ccccaaataa agattacttg tctcaggcca tcaccagagc ggaggaaggc 62820

tactatagc attgcttggt aactgtgttt tcatcacttc agagggaag gatgaagacc 62880

tcccttgtea ggctaaggta tattaacaaac agccaatatg cattcttgtt taaaactatg 62940

tgagcagcaa gagtctgtct tctcaagctt taatgtgcaa ataatactc aaggtaaaat 63000

acagattctg actcactagg tcttgggggt gctgagctg ctggtatgga aactacactt 63060

tgagtagtag gtgctgggga tcctgtctca gtttcatttc atcttcttgc tgcccttga 63120

taccttgga tcaatagtta agacttattg agcatttata atgtgcaaag ttctttataa 63180

acatttcccc agtttgctga tgaggaactt gaggcctctt ctggttcttg gtttaagttac 63240

ctggcttagg tcacgtggca ggcaaatagc ggggctggaa ttcaaatccg ggaagcctga 63300

ttttattaat agatcacatg acccagaaca ccacctata ttgcctcca aaggcaagac 63360

agattcaaga aaacacataa aagtgttgtg tcagggtccc tgaacactct gtttgcaaag 63420

gctgcttgtt gccaatagcc actaatcccc caccacaaac aacacacaag cagctgtagc 63480

catcaactg tgggttagag tgcaaaaagg atattcccat ttctgtttct gccatcctg 63540

aaagcaattc agcattgaag agagaagttt tccagctctg aaaattactt caggcaagaa 63600  
 attaactgaa ttatttggtt tagaaagcaa acagctggta ggaaatgtgc tttttccaa 63660  
 ataaagattt cagatacttg ctagaggcat attgatccac tgctaggaaa agaaggaagg 63720  
 caaggaaggg ttattcgtga gcaattagtt atatgcatcc tttaccacaa gcaagaatga 63780  
 tgttctgggc tgaaggcca ccagttgtca ataatgcacc aaggggaggt ttaccgggca 63840  
 gatctgcaac cactgagctg ctttgtaaat ctgcgttgga gtcattcatg gtgcattat 63900  
 ggccatgggt ctgctcctca tgcaggcttg ctctcataga aaagggggaa cgggtattac 63960  
  
 ccacacactg tgaattcacg tataagtagt gctagagtaa tgttgagatc ctgacaaatg 64020  
 acattattgc ttggtggctg gaacatggga agaggtgttg gctcaccatt catctcttgg 64080  
 gcagtatttc cagggtcaag gcacggagga taagctaatac aatgaaatca gggtaaatga 64140  
 gctttcacag ggacactgaa aagaatgaga agcccatgt gaatggtgag ttcaatcttg 64200  
 tctctttgtc tctctcctg gagaatttta gagctgggaa aagttcggga acagctggac 64260  
 aacagaaatt ctgattccct cagcctcatc agaaatcggg cactttatag agacattgtc 64320  
 agtgtggtta ttaacagaac aaagcaaagc atacacaatg tgagacagat agacctgaat 64380  
  
 tagaatctta gccttagcta ttaatagcaa tgtgtctagg caaatcactt aacctagtt 64440  
 tcttcacttt aaataaggat aatacctcac tggactgtga cgaggattat agaatgagca 64500  
 gaaaacactg agcatatgcc tgaacgccag tcaagtgtc aagaaaccac tgttgctatt 64560  
 atttggtac ttatattatt gtaattatta ccattattaa tagaactagg gaaagataag 64620  
 ggtacatgtt gctcccaat ggtaaatctc gaataaagta tgacctcta tctaaactac 64680  
 agatggaaga attacataca atataaactg tgggtgttact ttacaaatgc agaagagttt 64740  
 acataccatt ctcaataag ctttttgttg ttctattttt tttatatgag ttgctatgaa 64800  
  
 gtggggcctg tgaagaatc ctcaagggtt aaaatgtact ttattttgca cgagtagagt 64860  
 aatacacacc ttttgagtta caaccataa tgcatttcag tttaaaagat aacaagtcac 64920  
 tttcatgcat gactgcactt cgtaaggag cgaaaatggg ctgttactaa aatgtcaaca 64980  
 caattgtccc tctgaagct tagtttatct tgaagtattt ttacacttcc agcacttctt 65040  
 tttgtttgtt tctccaagag cataaagatc cagaattttc aggagtcaag aaagactttc 65100  
 ccttcaggca tctgaagaa aattaccaat attgggggtg actcaagttt tggcccccac 65160  
 tagtgaaaat acaaggtctg gtaccttctg cggctttttt gcatttcacc ttggagcaat 65220  
  
 ttaattgtgt tgccttcaa tgaaaaatgc tctctgaacc taaattcaca aaccagaaag 65280  
 agatttctag caaggaaaaa gccctgtcag ggtcacttgg aaggtgcgt ttggtattga 65340  
 ggtaattgg agaacgagag agaggcctca gctaacttta gccttgctgc caatgagtag 65400

aaggagctgg ttttctttt tccttcttct taatgtctga tcatttcccc ccttcccctg 65460  
cctctgcac aggaaggga tcattccaca tcctacctgt attaggaaaa agtagcttct 65520  
taagggttg cacagtcac tctctaactt ttccttctc cttgtggcat gaaaactttt 65580  
aatattgcca atccctaaaa atctattatt tctgcctgtc tttttttcc ttcaccattt 65640  
  
gcagtgtaga ctatcattat ccagcagccc tgataagagg ataataaac aatcccttct 65700  
caactggatc gggtaggtgt cagactaaaa tgacaccacc cgtacatcct tgacatgcta 65760  
ccacaagcta attgacagca aacattggca actgtctccc atgcaccaag acaaaggaaa 65820  
catattcatg tcacctgatg ggagagctac ctggcaacgg ataaacaaat gtgttaggga 65880  
gatgttctat taagtaagt gagggcacgg cctcttagaa catgcctatt aactttgagc 65940  
ttaagcgtgc tgctattctc tagggaacag aaataaataa agcaaaatga gaatttattg 66000  
atgtctggac agctacatga atattcaggt tctcttaca acagatatc ccccatgagc 66060  
  
tccaaacttc tgcgtaggct gctcaattac attccacat catgcagctg gatttatagc 66120  
caggaagag gtgttagtgt gtggaagagg atacaggttt atatgcttct ctggagtacc 66180  
ctgaataca actagaagat aatggctgat gccatccaca taaatgtcaa aaggtaccat 66240  
caagcattcc taaataccag gtctaattaa ctcatgtta ggaaaagctc tggaaacatc 66300  
tgcatctcag acaaagaca tttgttacc agtagaatgg catcatctgg cagctctatc 66360  
aacttctctg ggatgaacct ttcacacagc cctcttagat cttccaagc aatgcatgac 66420  
acagctaacc tcaaatctcc tacttttct gtctttctc cacctccaa cctacctgct 66480  
  
actcaccttc gaaggattca tgacacagaa agtcagtaaa atagctggaa caagcaaact 66540  
attcagacta cctgtggga aatctgtcat ttctctctgg tctgtgtgtt atgttaaccc 66600  
tcattggggc agagtgggaa ggcagaaaaa aaggagaaag acggggtaga cgtggccaat 66660  
cactctgga agttcttaca gaaagatecc tcaccttttt ttggaaataa aagttttact 66720  
tggccacaaa aaacaaagct gcagtaaaaa atactgggtt cccaatctcc tcattactca 66780  
tgctcaact atctctacc tgtaccatgt tgaccacaaa agatatttcc tccctttcag 66840  
agcatgctga gacaatccca ccaactctac tttcacgtga cttctaaat cacttcacag 66900  
  
tgaaggcttc ttggaaacag attttagca tagacagcca atctgatttt taatgcacta 66960  
ttattctagc caaagtcaag ggatgacct tcaatcaact ctgaactctc tcaaagagcc 67020  
tctcccttc ctatgtgtt aaaatgaagt aacaacagcc cttctggaga attacgtat 67080  
agcgaggagc tcacagcttc ttcgattatc atgagccctg ggcgaaactg catcgacaat 67140  
gaagctgggt ttgttatgac tccagagaac cccctttcct cttttattca cactctgacc 67200  
acaatcttc atttggccat caggcgcttc aggttacctc ctacttact ttactctcaa 67260

gatagatgct agaaggtaact cacgtgctgt catgagtta tgcccatata caacattttt 67320  
  
tcaaataatt tttatgtaaa ggctttttatc tgtatctgga atggagggtt cagccttcag 67380  
ttatatccat ttcaaacatc cttgttgctg ctagaaaata tttttgagg aagcatgtga 67440  
catccctgtt agaatgtgac tagatgggtc cctaaagtgc aatatttcaa ttatttgctt 67500  
tactttaggc ttttaatttat gtgtctagga gaggcttaga ttttcgaaaa cataaccctt 67560  
gatattcaag aatttgagat actttccctt ctaggaaaa aaatcttggg cagaataaaa 67620  
ccaggactgc cctgcctct gatctctttg ccagccttta gcacctcata actagaatgg 67680  
agccccacct gtctgaggc agtttcttcc taagttagag ccacgttagt cagtgtctcc 67740  
  
acaatggccc aggtctgttc tgcagggtgc ttcttgcaat ttgttgctt taaccagtaa 67800  
tagttccatt tgaggccac tacttttggg gtcccataga gtgccctggg agacctatga 67860  
gtattggata gtacatgagt tctggatgcc ttcaatggaa acagctttgc cattatctgt 67920  
tttaaatatt gggccttaaa aagtctcaa aaacccatgg actagaagac tactaaagta 67980  
tttgctaaat ctaaaatatt atggggatca ataaaatgat aaaatctgca tgtattacat 68040  
gatcctaaac tgtcttataa tacattctcc tctttaattc atttcaatta atccacttta 68100  
tggatgcctt gatttcactc agtcattttg atgaatgtct cagatgtaag tataaacag 68160  
  
ggcttgcaa accittgttg caaaggagca gacagaaaat attttaggt ttgcaggcaa 68220  
agaggcaatg ttcacattct tcaggcaact gtctcacct aaaggctaata aacttttaaa 68280  
aaatttttta cattaaaaaa tcttaaaacc atccttagtt ctccagccat gcaaaatcac 68340  
ggggcaggcc agatttgcc tatgggcat agtttgctga ttctcagtg aataactgtt 68400  
gcatgctaac tactaagaac catcatgaaa agactaggga actgtttttg aaatatgaaa 68460  
actaaatttg aggtgaagcaa cagtcaagaa cagttttttt agacacctga gagtatat 68520  
tgagataaat gacatggcct ggaagagcct atttacaaaa tgacatcagg accagggcta 68580  
  
catcccagca atacaaaac aaggaatatg taaaattgca ttggccgagg ccatcaatcc 68640  
catttctct tcttccacc tgcctcactc tcacaaattc actgttcatt aaattcagtt 68700  
tacaagcagg caatggcact ctgtacaacc agtataagga tacttctact ctatcatgaa 68760  
acaacaaca caacaaaagt ctaatttgca gatcagaaaa tgggccttag aatacagaag 68820  
ctccagccct ccgttgact taaattcttc ttggaaggaa cgctttatgt cagcacatcc 68880  
attactgact accaagtagt agcaccagc ataaaagaca tggatagaag gggttctatt 68940  
cactgccaca gacattgact ttgttcacaa ttaataatcc aacattttta gcaagaagga 69000

aagaaaaaaa gagaaaagaa catgagcatc tgccaattgc cggggagtggt actaaactct 69060  
tttatgttat ctcatattagt tctcatagca gtcctatgga gtcagtatta ttattattat 69120  
agaaaaggaa aagtaacctc cccaaactga acatctaggg actggagatc cagaactgga 69180  
gtttagattt agctccacgt tctttctggc atagcacgct gtctctaaaa aacaaaacaa 69240  
accaaacaac aacaacaaca caacaacaac aaaccaccca acaacactac ttttgaatga 69300  
ccaaacccta gtaaccatca aaacacaatt ttgacattgt gagtttgggg gcattgccac 69360  
cccagtgatg gctttgtaat tccaatttgc ttttcttttag agagctacag tagatttcct 69420  
  
taattaaaaa atgccatgtg aactactggc aaagtagtgg aatacaaaat gtaaagaaac 69480  
atatttcagt tttcttttat tctactgagt gatgttgatt gtattcccaa acttttaggc 69540  
ttccactttt ccttccttcc tcaaaaaaaaa aaaaaaagaa gaagaagaaa gtaggaggaa 69600  
gaggaggagg aggaaaaggt aggtaattgg taatctgtgg catctgttct ctaattttca 69660  
gaactatagc atgtattttt atagtattta gataaaagca acaatagtta caactattag 69720  
gtgctgaaca cttactatgt ttaaagaact ctttatgtca tttaatccag cagttgatcg 69780  
cactaagagg aaaattcggg ttacaggaag aagtgtcatt tccatttata aatgttacat 69840  
  
ttgagcatag attggtctaaa gcatgatca cagggtattgt acaaacgtg gtcagtaacg 69900  
taatttaaga aaaaagagcc gctgccatgg ttcattgcttg taatctcaga actttgggag 69960  
accaaggcag gaggatcact tgagtccagg agtttgacgt aagcctgggc aagaccttgt 70020  
ctctacacaa aataatttta aaaataaatt agccaggtgt ggtggcacat acctgaagtc 70080  
tcagctactc agaaggctga ggcaggagga tgacttgagc ccaggggttc aaggttacag 70140  
tgagctatga tcatgccact gcactctagc gtgagtggca aagcaagatc ctgtctcaaa 70200  
agaaaagaca caaaatatgt tccattcttg ctttttgtat agctatgact ccgaactgcc 70260  
  
ttagtctctc agaactatga atcctagatc attactttcc caactgcaa atcttgtagg 70320  
gtagctgatg catcgcatct ttcattgaag acatccactt ctcaaaaatg cttcatagc 70380  
atccctgtga accagcctga ggagcaaat cctatgcacg ttgatgagac tttatcacat 70440  
tttcttttta atcgtgaaga gttccctttt ctgcagccac tcaactctag aaggtagaaa 70500  
aaaggacttt ctctacgtcc ccaaggaaaa ggttccagtg aagcttacag accctcact 70560  
tcttaaggta ggactagggt ttagtagaaa cgccagggtg agactcaact ctgaaatcca 70620  
gggctgatgg gtagtgagag tagaagcagg acatgagcag ctaagttcac tagagagaac 70680  
  
gggactggag tctcaggagc aaaccaggt cacagctaga aataggaggt tctagaagca 70740  
aggcaaaaaa aaagcagcct ggaaatttag gtagaaaaac taagactcca ataagactcc 70800  
aagaaggcag ctgcaacttc tgatgaatca atgcctgctg taaaggcagt gttaatggtt 70860

tgagtcacgg ccggggcacc tgagcagggc agatcagccc atgacaatat tgaggaagac 70920  
 agcataaaag ccagtattct gggacagtgc tgatagctgc gtggaatgaa taaattccac 70980  
 aataccctct attcagtgc tgcaatatgc tctcttatta ctgtaaaata tggcaagtaa 71040  
 tatccaagtt ataattcatt aatgtccctt aatttagagt ctttgctatt cttagattt 71100  
  
 tcagtacca tacaagtata aaaaagatga aatttcactg tggctacaaa caccctgaat 71160  
 aggaacagtt tttttttct ttactcttca caggaaagag acataaccac ctatgtttt 71220  
 ctttcttgg aaggcaaatt cagtgaagc agaaagtcag aacttagac tcagcagtct 71280  
 ggtctataac ctcttaacca taaaaagtat tagcttctca tttcagaaat tttatcctga 71340  
 attctctgtt ttgccacctt cttagacct gcttcaggta cacctcagag tataatagac 71400  
 tcagccttct ctctcatgt gccagttgat cactggtgaa attatacaca tctaactttt 71460  
 attttaagtt cagggtcaca tgtacaggtt tgttatatag ataagcttgt gtcaggggg 71520  
  
 tttgtgtac acattgtttc actgcccagg tattaagtct actgttttt cctgacctc 71580  
 tccctctcc caccctctac ctccgatag gagaaataat aatacaaaaa taaccaatac 71640  
 ttttccaat aaggataaag ccgcaattgc ccagcctgc tacttgctc tectctcaa 71700  
 tgaggtacgg aattgtttt gctcacctac aaaaatattt ttacggcaaa acttgcatc 71760  
 attgtaaaac tgggtaattc agcttaatct tgcagaaaa actaacatga atacaaggga 71820  
 ctaagtggat atgaaaaact gaagcaccaa attagcagc ctgcaaacat ctaaaggcat 71880  
 taacattaac tgcaaacatg cagatgagcc ctgtgctggc tgggaatcag agtcttcatt 71940  
  
 ttcttcagct gagtggttat aagatctcat tcttaatcaa aatatgagca gtgtcattat 72000  
 aacgtgctg tggggtgaca agcaaaatat ccacctatag gttttatgta gtgagaaaca 72060  
 gaactagata ctacagtga attctaattc taactctcc cagtcaaaat tcaggtcatg 72120  
 ttttccaga agtcatatgc ctacatttta tgatccagag caatggtttt caaaggctga 72180  
 aaaacatttg accagcagca gcacctggac cagcagcacc tgggtggtgc acctgggaac 72240  
 ttgttagaac tgtctggcac aaattcagat tcttgggact cactcagacc ttctgaatca 72300  
 gaaacgctgg gggtagggcc cagcaaacctg tattttcaca agatttcag gtgatttgat 72360  
  
 gcatactgaa ggactggctc aggactagag gtgggggctc aattaacagc ttaaaatgac 72420  
 cagtgcctac aacagagaag tatgaagctt gctcctgacc tcactgcatt ctccaatcta 72480  
 actcgttgga ccatcacaga tgcaagagag gttacaaaaa ctgcaagggtt ttgatagcag 72540  
 ttcaaaggaa tgcttcacac agactttgcc aaatgtttac ctttaaatcc cttttgtgcc 72600  
 cccaagtctc caccctctc tgaccaattc caaaattgtt ctgtgcttt ttcacctttg 72660  
 tgaattccaa acaaagcagt gcttttgaag ttaatgcaag taataactat gcatttttat 72720

aatgctctat gtctttttaa agactttcat atagttacgt tgtttaatct tcacaactct 72780

cctattaagt ttaacctact gggaaatgtg tgggtagtt tagaacctc taataaatct 72840

ctaacttaat aaccattttc tgagaacaga ctatatgaag cacttttaca gaaaattatt 72900

tctaacacaa ctctgcaagc tgtccacga cagcaaatat actcaattta agaatgtaga 72960

aaacatatta aaacatgtac cataaaatta cattaaaatg aaatagtaac tatttcacaa 73020

atttctgtta aatcctgtat agatttttat atgggtgctat ttcttacaaa aagtaatgat 73080

attgtaagag agaagccgtc acctcccagt aaggagggtg aagtgaagag aataacacgt 73140

gacttcaaat aatcctgctc caaaaaagt atttttcctt ctacatttcc ctatattatc 73200

tgaacaaaac atctattttt ttttttttct taaaaatcta aggttacatt caaaatttgg 73260

ataattcaac aggaattgta agctctaaac ataacaatta ttttataacc cagtacaatt 73320

ggaatcaata aaattccctt ctctcgttag atttctcttg ttccagctgt gttagctcat 73380

ccttgatgag tagtttctgt gggactcaaa catctcaacc aactggcct ctatgatgtc 73440

ttcatggctt aggtcatttg ctaaggctcat gttttactga atctgtagta cagcttcggt 73500

ttgaaaggag ccataatttt tgtggtcatt catgggacag atcatcttcc atacagcatt 73560

cactgttaat aaatggactc cctgccaaga ccaggcactg ttccacactg tccatgatat 73620

ctcagactca ccaaatatgg gcttctatat atcattagtt catcacaggt gttcaccaga 73680

agatatacaa gactaagcc ttgaaagtgg cattcacact tcgatcaaca ggctatgaaa 73740

tagtccctct tagactatca gataaatcat ctaaatttac aggcctggcc tggggcatta 73800

ttatatggaa cacagaacct ttgaacaaaa gggcaaaaaa tataaatgag ccatccttga 73860

ggcctgctta ttgctgctt ggccttcttg ttgttaggt tacaacactg ctctcaggtg 73920

agctcaggag caggcttggg gaggcctggg attttcagaa tagtagacaa gtaaacacct 73980

taattttatg aaagtcaccc tcagcatggc ctcaagtgat atttggtgc tttaacctgg 74040

gacgtatta tctttcacag aaataaaagt attttcaggc aatccttcc aatcaagctc 74100

tgtctttctt ttcaacctga aaagtgtgt tcaatgaggg aaggcaacac ttcaggagaa 74160

gtgcaagact tgiatgttcc agaactgcca tcttcctgt tcacttcat gctgtgcaaa 74220

glatccttct cttagaatgt tataaagcat catatacttg accagaattt ccattgcaaa 74280

actatgactt cttcacacca caagtcctca atcggttggtg cttctgaaag attatggtgc 74340

tcaatgcaaa atttaactgc ctccatttct atgctcatac atactcaacg ggtttccatc 74400

aaaatatttt tgtgataaat taatttacta gcacttaaag gtagaagtgc ctgacaatca 74460

ttaaacaat attttcttga tttgtataa tagaacataa aagggaataa ctccaagtac 74520  
 ttttctatt tagccaagtc ttaacttca tcaaattgtc ttaacacttc agattttaca 74580  
 tttactaat tgatgaagtt tctttttgca cctttggcat ttttcatggt ttggcttctt 74640  
 tccatagatc tagggcgaag gtttgagtg gatgttaata tgcactccac acaagcacat 74700  
 ttctagaact ttaaaagaaa ggcttaaat tttgtttgt aatttttcc cctgcctggt 74760  
 tctgcctctt ggtttgtgc ctactctgca aaacaaaagg cgtaacattt ttttaaaagg 74820  
 aagaaagtta gaaagcaaaa tcatacctga gggaaggagg aataaggaaa gaagtagggc 74880  
  
 ccgagcacag tggtctatgc ctgtaatccc agcacttttg gaggccgagg tgggtggatc 74940  
 acctgaggtc aggagtttga gaccagcctg gccaacatgg tgaaatccag tctctactaa 75000  
 aaatacaaaa aactaccag gtgtggtggt gcacacctgt agtcccagct gctagggagg 75060  
 ctgaggcagg agaattgctt gaacctggga ggtagaggtt gcagtgaact gagatggtgc 75120  
 cactgcagtc cagcctggtt gacagagtga gactccatc tcaattaaaa aaaaaaagaa 75180  
 gtagagaggg taaactttca cagtcataag gtacctggag aagtaaaatt ctgggaacaa 75240  
 agttgagcaa catgatcatc tgcatgtttc aagtgttctc aagagttacg gaaaatgtgg 75300  
  
 gtcaacctga agacactcca ctgatggctg gagcaactta ggtatccttg ccccttagga 75360  
 ggcaaaccta ccacagccgg aggtctaat tccagagctc aaaatctttt tgaggaccga 75420  
 atatagaata gactcatgga caaaaagtgg acatttgctt ggaatgacaa aacatttca 75480  
 agctgaacct taaaatat taaactctaa agcttttaaa aactaccag acatataaaa 75540  
 acagacacca agacaaatgt gacagtttcg aaaatgagcc atatgctgta tgctacatac 75600  
 aacaaaggtg ctaatgtttt ccatagatat ggatagcatt gcttccaaa cccatttctg 75660  
 agaggattaa atacagccag actagcccat cactagaac catttatatt gtatgttagg 75720  
  
 ccatttttca atcacttctg gttagtgttg actgttgact attgggttcc aggtcttagt 75780  
 aagatcatag attaatgaac tgaagtagta ggggaatgct ttataggctg tttaaaattg 75840  
 tttgctaatt taatgtgctg aaataaatgt tcataatatca aatactgaac aaatcagaca 75900  
 cacaaaaaca aaagctagtc atggtttttc atatatatat atatatttaa tacaaaatat 75960  
 ttatgtatgt gttggaaca ctgcacattg atatatitga tgtctgtata tgaacctgta 76020  
 cctgaaacct ctgtaagttt ggtcaacct tcttcgtctc atctccctgt gtctcaaaaa 76080  
 gcagaggcta tgttgtcccc aacagtaagt gcttaaagca actgataaag gtccaatggg 76140  
  
 ccatgattaa ggcccagttt tgatgactga tgctcttgca atacttgctt actgcccttt 76200  
 ctctctgcat ctgaatcaac tgagaactgt caaatttaaa acgttgtaca aggatgtctt 76260  
 tctccattc cactgcaatg catctgtaaa ttttaaatc taatggctta ttcatacttt 76320

tcgaaagaaa aaaacagtct gctgccaaac ctggctctgg aatcagatgg gggtaggggt 76380  
 agtatctgca acccacagaa aatagaaaat tctcattgtc tggaatgtgg agctggtaaa 76440  
 tcttttttct catcttcata gcatgactgt aagagtgttc catatgtaag gacaatcact 76500  
 aattatgttt gcataagtat atcaccattta cagagagtag aaaatgcata aaaatccagg 76560

ctgagtaaaa gaaaaataac ttccttatgg tatattaatc ttttcttatt tttttgttt 76620  
 ttactacat acatgtaatt ttccaaatat agtcacctat tattcaaacc taggcagatg 76680  
 gaaggtaggtc tgggagtgtc atcccatctc ctttccaca atggtaggca aacatgaatg 76740  
 aacattctta taagttgggt tgcgtatgtg aaaatttct tagagacctg gggcttcctt 76800  
 ttaaacata aagatgacaa caactgtttc attaagaaat ccacacgcag cctgctacct 76860  
 gcttaaggag gaaacatttc cttcgagtct aaatcaagtg agtaaatgta acataactgc 76920  
 gagggtaggg tacactgaat ttctggcaga agtcataac taaaagaggt aatgcattat 76980

ttatatttat ttctttatga gaaaaaaca tctgctgcca caccagctc aggaatcaga 77040  
 aggggtggag agcaatttgc agccattga taaagaacaa cacagacgat cttaggaaaa 77100  
 tttttctcac gtgagcttc cttttaacca gactaaaagg cctaaaaaag gtagttgtg 77160  
 gttagctctg ctttctgtgt ctttacctga atagaggtca ggcccggtc caggggagcg 77220  
 tcccacggtc ctttcagcag cagcatctct aggggaagtg gccggctgca gggactgcac 77280  
 ggtgaggcaa tctgtagca ggtctggatg gagctctgtg ctggaccgca actaagagga 77340  
 caaacggaa gagacatcga taaggagagc cggtccttgg aatattttcc tgggaaggca 77400

tcatgctcta tcagtgaac tcagcccaca aaaatttate aagcagcaac tacgggtaag 77460  
 gcacagagct taacagagtg tcaataaaaag gatcagttct ccaatcctaa taacacctgg 77520  
 caagagcttc tggaataatg tggctagagg cggatttgac ttcagtcctt gatatttcca 77580  
 cttctggcaa ctcaacttcc tattatactt ctttttattt gctccgtatc ttatcagaac 77640  
 ttgtaacgat aacaacaaca aactcaagta gatttagtcc atcttgaaa gtgcttttaa 77700  
 aatagaacaa ctgcatgaa aacatcccag agatgattaa gaaatgccca ttgagattta 77760  
 actcctatag attttccatg aaaggaaaat actcaagtta aattttaata tattatggca 77820

tgattcaaag ataaaacaat gtgattaaca gtaacaaaac tccaacagtc agttacataa 77880  
 aaacagaaca atttagatct tatacattaa agagttacat gtaaaaaaaa aatcaaaca 77940  
 taaaaaatgc taaaataaac taggtgaaaa gttatctgat cttttaatga ataagaattt 78000  
 ttttaagtga attgaaatgg aaaaaaaaa caatgtaaga tttagtgaac taaaaatatt 78060  
 aacgttctgc ttgtacaaa acataatacc ttaaaagcaa tctagaaatg tatttgttac 78120  
 aaatattgca aatggtaatc atctttggta tttaaagagt gtgtgtataa atggatttta 78180

taaagacaag actaaacctt tagatataga gctagagtat gcttatgcag tcaacaaata 78240  
  
 tttattaagt gtttgttaca tacttctcta gaccctagga atactgactg cttttgtcaa 78300  
 agtttagactc tagatgggga agcagatgat gaacaaataa aacatataca acctcagatg 78360  
 gtgataaatg ctatggagaa aagtgatgcg gagaagcgag acagttagta ggaataaggg 78420  
 gtggcagctt tagataggag atcaaggaaa gcctcttgaa gatggcattt ataaaaagct 78480  
 ttgaaagaag tgaggaataa gccgtacaga cctatggggg aagaacctgc ctacctgtg 78540  
 gttgtgcgga gaagtaagag tcaagcaggg tgagcctggg gcctggggaa gagaaataga 78600  
 agatgaaacc agagataaaa ggtggggagg tggaaatggg aaggagacgt tggataaagc 78660  
  
 cttgacttga acagaaactg ttaaaaaaaaa aaaaaaaagg agaaacagaa atgataataa 78720  
 gcgtgaaaaa tgittgcaca cttgcaaaga agtgcaatgt taaaacgtct ttttacttgc 78780  
 tgaattatca aaaacttaaa aaaaaacagt aatgaaggta cagttagaga ggcattgttc 78840  
 aacaatgttc ataggagtga atattggtac aaacagtcta gatggtatgt gggaatattt 78900  
 tttcaaggtc cataattgaa ataatttgat tctagaactt gtcttaagga aatagccaga 78960  
 ggtgttaag aagatttga cccccccaa aatatacaca tatatatata aaacaaatag 79020  
 cattatttat agcaatacct aatcagaaaa tgtaacttaa aatgtcttaa atgtccacaa 79080  
  
 atagggctaa tcaatgatit tacctcaatt tgatggacta ttatgcaacc attaaaatgg 79140  
 tattcatgaa cataaaaagca aaactcaaag ttttatatat atacaaaatg ataattacat 79200  
 aaaaatacac agacaaaata tcagaaagta atataattga acattacaac tgatttttgc 79260  
 tttcagtagt actattatga atttatttcc ttcccttttt taaagtcctt tcttctgctt 79320  
 tctgtaaggt cctctgaacg ggccacacca cggttgagcc attgtgaccc ctgcgacaca 79380  
 caggctccagg cctcctggag tcacaaagct ttgagcaaca ggagaaccac taaagaagaa 79440  
 gaaacagcta gtcctgcct taactgatta accgaacttg caacattcca ccatttgtat 79500  
  
 atgttctgc cctaccctaa ataataatc ggcttgtga tatcctgcca tgtgaactcc 79560  
 ctccacctcg tgactacgca ctttgtgaca ttcttccct gccgaaaag actgccccaa 79620  
 ctgtaacctt cactaccta tccaaacct ataaaaccag ttccactccc accgccttc 79680  
 gctgactccc tttcagact cagcccgctc gcaccggagt gaataaacag ctttgttgct 79740  
 cacacttagc ctgtctgggt agtctcttca attaggcacg cgcttaacac ttccaaatt 79800  
 ttctacattc aaatgatgtg ccaaagctgg ctgcaccaa tctgaggtgt caattttgtg 79860  
 cgtcttttcc aaactttcca tgcaatgatg atagactgat agcttgaaat cggtcatagt 79920

gaagtattta caccatggaa attggcaatt ctacaaacag gctttttcca tctaaagagc 79980  
 tggttgctat acattaccag cacaccactg gcaatgacga tgaccaaatt ctgatcagaa 80040  
 agaaagacaa acacacacat acaacagtaa gttactgttt agagagaagt atttcttggg 80100  
 tctcagaaag cticataaag agacaaatgc atgtccaggt cttagcccaa ggatatgaaa 80160  
 gtggcacagt gaccctaaat acaggggaagg gacatttaac acaggtagt actgagacat 80220  
 cactttgttg taatttcctc agctgtggca cattccagtc tctgaccagg actctctgta 80280  
 ttagtgccta actaactctt tcaggaccct tggaaggat gtttgttatt tttgtactaa 80340

cctaatacat gccgtgtaag aaaaactgga aaaaaaatt caaggcttgg aatgagtct 80400  
 ggtgatcact tttaatttat ctctatcat taaaatatga tctggggtcc acatgtttta 80460  
 ccaagggcag acatggatgc ttttctgctt tctattacca actactctag ggttttatag 80520  
 ttaccgtac caacgaggtc tttgcaagga atttcacggc tagggttact tctggcatca 80580  
 aagacgggca attctttctt agcttcacta aatattcatg tttccaaca gtgtgagtcc 80640  
 atacaacttt gtggtgagag ttaatttggg tttctctggg attaggtatg gttctagaaa 80700  
 gggcttctta aattgaacaa gcttaggaac cttaaagtaaa attccaag gagagccgta 80760

tgcatagaaa cgcagtcag atattggaag gtagtgtccc tcacagatct tcagaccagg 80820  
 aaaggggctt tcagatccct taaggttttt aaacattctc tagtacagga atgatctaaa 80880  
 ggggtgaggca ggaggcacat agcagaatct ctggggaggg gtgtctttca atgtaacata 80940  
 gttttatatt tgggaataaga agcccaacta tttatttaaa aaactgcata atgtatattt 81000  
 taccaacatc ttcttagctg tcaggaatag ttaaagaaga tagagggaag tttttcagt 81060  
 acaggaggga gggcttttac ttgtggttcc caatcttggg gatgtatcag aatcacctgc 81120  
 agcgccccac ccagagctg ctcatcag aggtctgcga tgcgtttcta agttcccagg 81180

tgatgatgct tctactggc ttgggatttc actcttggaa ccactagtct ctaagaattt 81240  
 ttatgaggag aaactaatag ttttctgttt atggaaagag gaaatgaact gtggaacag 81300  
 cgaattataa aaacctagca tttttaata taggaacaga aaccttacta tctcatcttc 81360  
 ctigtatcaac tgtgacgaat aaagatcttt ctgaagtagt gactttgggc atctagttag 81420  
 cagatactag gaaaagtcac aggaggagag gatacctaca aatgctagga atgtctgcaa 81480  
 gtcattggac ttggagatac tgggaaggta agttccaact tatgcaggga tgaatatgtc 81540  
 atgttttgta gcttgtgtc atcataaaat atcttggcaa ttttctaaga agcctccttg 81600

ggacatctgg accttaaaag tttatgttat ctctgtgag aagtaacat taagcccagg 81660  
 gccataaacg cgaagaaatt cttaaatctc ctatataaca catctgactt tcttcagacc 81720  
 tcataataat acatgggtta atgaggtc tttcttaaaa acaacttgga ttgtattttc 81780

tttcacaggg ataaaaaagg ttaaaaaatt tcagtctagt ttattacctg ctgttagcag 81840  
agagcaaaga acttgccctt taaaaagcct tgactgctct ttgcggagaa aagtgggaatt 81900  
tgaaaccact gattgtcaat tcacctatit caaaggactg ccgtgttgca tgacaccaag 81960  
gacctttgtt cacattgtaa tctatgtgaa cggcgttcct ggaatcattc agctcagctg 82020

ccctaaccac actccattgg ttccagagtg gctctgccct gatgtatcct tctcattcat 82080  
ttgtcgaaca aatatttatt gggcctcaac catatgccag gcactgttct aggggccaga 82140  
aatacaacag caatcaaac aaagactcct tcagagaagt ttacattcta gagaagtcag 82200  
ataataaaca gtaactaac taaataaatt gtagagaagg tgccaagtgc tatggaaaaa 82260  
agaaaaagaa gataaaggta gatgagattg ggagtgatag ggggaatttt gacctttttg 82320  
agaagagata tttagagaaa gacttgagga gttggagaaa ttagctaagg atgaagagca 82380  
agagagtcc agaaggaggg aatttcaagg aggtcagcat ggctggggtg ggggtgaaca 82440

ctgagagaga aggaagaaat gaggtctgag gtcaccctgc attccccaat aagtctctta 82500  
gtcttggtag aataggaac tcttacaggg gctccaccat aaatatccac agtctcatag 82560  
gcactttgtc tccccttctt tgagagccca tatgagctgt gaggtgtgac tactgtgctg 82620  
gttagtttta ggtgttaacg tgctagactt tagtatccag ttattcaatc actcatctag 82680  
gtgtgtgact gctgtactgt ggaattctct tgatgggctt aacatctaca gtcagttgac 82740  
tttaaaaaca gaagattatc ccctacaatc tgggcaagac tcatccaatc agtgaagagc 82800  
ctgaagagca aaagaaacta aagtttact aaaaaagaa taaattctgc ctctggaatg 82860

cagcatcagt tcttgcccaa gagttttcgg cctgccctac aaatttctga ctgtgcagcc 82920  
cccataatct cagaagccaa tttcttgaaa ttattatctc tctccacact cctacacaca 82980  
taatatatag atatttatct tggtagagtct ctttttctgg agaaccctga ctgatacaga 83040  
tactattaca atgtgcttta aaaccactac catatgaccg tttgtttcag gtcaggaagg 83100  
agaaagcatc gtgcggttga atccacaga aaagggtcgg atgtgcatag tcaacaggaa 83160  
gcacttttaa aactgcatt tcaattaaat aaatatacac caatctctac agtgtgttg 83220  
atactgtgtg cctcacaact ctatggagta catactattg tgacttcac ttagagatg 83280

agaaatctaa aataaattac acagctacta aatgtcaggc ttggatttcg gtgtgttaga 83340  
gggaatccca aattatgctc tcagacatta cattatactg gtcataaaa cagccacc 83400  
ccaactttct cctgtgtgcc acaccact acactgcaca ggctaacaca gtttctctc 83460  
ctcttatgac tcttttttt ttttttgaga cggagtcttg ctctgtctcc caggccggag 83520  
tgcagtggcg cgatctcggc tcaactgcaag ctctgcctcc caggttcag ccattctct 83580  
gcctcagcct cccgagttagc tgggactata ggcgcctgcc gccacgccg gttaaatttt 83640

tttctttttt ttttttttgc tatttttagt agagatgggg tttcaccatg ttagctagga 83700  
  
 tagtcttgat ctctgacct tgtgatccgt ccgcctcggc ctcccaaagt gctgggatta 83760  
 caggcatgag ccaactgagcc ccgcctgact ctttgatatt ctagccggaa gcctgtcatt 83820  
 cagagcttgt tctaggaggg aaagaacctg ggtagccaag tttctctggaa aagtctctag 83880  
 cataccttat caccactgtg tatattctga caccatgccc tttagggaag gcggtctttg 83940  
 ttggagtaga gattgaagca ataaaacaga atggaccact tctgttttgt tttcactgtc 84000  
 ccctcccctg caggtttgtc acttggttgc atcctggcct agtaacatga atgcctgcaa 84060  
 ttgacaaaaa taaagcatgg tgcctcatcat tcctcaccat ttgcatecta agcacacaca 84120  
  
 cagtgttccc agggccccgt ctcttttccc ttgacgatca cccctggttc tcaggatggg 84180  
 gcactgtcat ggtaactttc tgatcctgaa tgagatgac ttgaccagg gagtcactga 84240  
 actcagtatc ctttgcctag acaggatacc tccttttact ctttctcctg attctgactt 84300  
 ctttcccttt ctcttctct tcctcattct tccactgtca ttttttttgt cctcactcct 84360  
 tccagagagc tcagtcatac tctgtaggga tgatgcacac ctctatctac atgctcccca 84420  
 catgctatc tagatgtgga ggtcaggga ggcctctgta gactggacat tctgggctga 84480  
 aacctgaatg aagcgtatga gcaagatat gagaaaggca tgaaatctac cgaggaaaca 84540  
  
 aactgatggg ttctgaaaac agtcattgga gaggagttag caaggagca agaggaaggg 84600  
 tgcaggatgc agggctggac aaattgccag aggtcagatc atgtgaggcc ttcaagcaca 84660  
 tgaagattcc gtatttgctt tccttgtaat ggtgaaccac tggaagtgtg taagcaggaa 84720  
 acaaagtggg ttatcttata aaagattcac tctgattact gtgcagaata ccggaagagg 84780  
 acaagtgtgt ctggttaggg gctattacaa caatctggat gaaagatgcc aacggcttga 84840  
 gggaaccaga gggggtgaga agtgggtccag ctgaattgct cgaccttcaa aagtgtcttt 84900  
 tcgaaggctg agctgaattc actgtgtaat atgagagaaa cacaggagcc aagcatggcc 84960  
  
 ttaagttttg gcccaggaa cagcaaagga gatcacagaa ggagcaggtt ggaggtaaat 85020  
 cagcaatttg gttttgaatg tgtaaacact gagatgactc ctggacatcc aggcggagag 85080  
 aacctgcagg tacctgcaca cagagggtgg gttcacagag cacgatgggg ccggaccacg 85140  
 aataccaact ccttgctgca tttctgcctc aggtctctct ctctaccaa tccatcctgt 85200  
 gatatcaaat ggactctcct aaaattgagt ttatcgtgct atactcaagg tacaatatc 85260  
 ttcatgtact gcctaacacg caagtctcaa aaggctaaga cattaaagcac ctccatactg 85320  
 tgactgtacc acgtaccata aatgcataat tcctgggtc ctgaaaagag cctatctcac 85380

tgtctgcaaa ctccccagct agcatactat tcattcttcc tgcccggaaac ggactccctc 85440  
 ctccaatgt aactcctcca agatcctgtt tatgactcac ctccctgaatg aaacctcccc 85500  
 tgaccagacc agtccacact gggcctctca ggggtacaaga agaactgcag aatccacttt 85560  
 caacactccc ctgaccagac cagtccacac tgcgcctctc aggggtacaag aagaactgca 85620  
 gaatccactt tcaacactcc tgtgattgga catgtgcact ggggctttgt ttcttgttat 85680  
 aaatttaatc tgtacaattg tgttggtcag tccacgaggg ctaggctgac tgcctcttaa 85740  
 tcttttaaaa ctccacagca gccagcagtg tgggaccagc atcatggtaa atcatttaat 85800  
  
 cactaactgc cgattggatt tctaagaagg agccacaatt ctttatgtaa aggaagctac 85860  
 aatctcctag ttagtgaata tgtctaaaat agacaacgtg atcctttcgt aatttacttt 85920  
 cctaattggag aattttcaaa gattacaggt gatataaatg tggcagaaac tactgatgcc 85980  
 ccaccagcg cccctctgat ccttcgatt agcaatgtgc tgccgcccct cagctttggt 86040  
 gtgtccgtgc cccagtttct gtgtacttta gagccaatgg ctagcatcct ccaccccca 86100  
 aacacacaca cacacacaca gacacacaca cacacacaca cacacacaca ctactaaca 86160  
 gtgctccttt gcctcaaagt gagacaaatg ctgagacgtt atgttccaga gctccctgtg 86220  
  
 ggattgggct aggtcgagac tacctgaatt ggcacccatg ccttgctttt tcccccttc 86280  
 ccacctctc ctgagttctc ttgcaagtgc gtccttcata aatcacatgc acctgaatcc 86340  
 ttggctcaca gtgggcttgt ggggaaggca ttctaaactt actctgattt ggttcaagaa 86400  
 tgtcgagagg caatcagcag cacttaaaaa gatgctctga tgagattcat tcatttctct 86460  
 cctgtacctg ctttgccaac tttgtacagc aggagtatgg aaagtagatg tttaatgaaa 86520  
 gtggggtgtt ctgaaccatc ccggataata ccaaaagcct aagtgtggag actaaattaa 86580  
 aactaagacc ttaatttgcc agaacaataa ggactgaaag gggcttcaga tgtcactgtg 86640  
  
 tccaaacctc catcttatgc ccaacttccc tgacagcaac ctgtaagtgg cttgtcagtc 86700  
 tttgtctgtt gttactgtat agtaaggggc aacgtcctca tcttggttgt tagctgcaat 86760  
 tttagacagc tccagttgtc aaaaagactt tttgtacatt gattcctaata ctaacctca 86820  
 gaaactatta gaattgcttg aatcctttta ttcttacacc tgcaggaagg ctcattggaca 86880  
 tagacttgtg acaactccaa ggctcggaaa ccaatttgtg agcctctgag tgttagtgat 86940  
 tctgatcttc aaggaactat tttagggctt aatttcccaa cctatccagt tgcaagtaaa 87000  
 caagtgggt ccttcatttt tatacaatct cccattatga aatatttgtt taaaatgata 87060  
  
 gtttttcaac cttactagtg aaatcaccta tcaaggtttg acaaggttac tgcattgccga 87120  
 aatttgagct gcttccctaa caatgcgggg attttttct aatctataaa aacaaggcac 87180  
 catcaattgt gatttgtatt tgtttttttt tttttttttt tttgtacag gattattctg 87240

ttaatgttta taagcccttg taacaagaga tggaaatfff actcccgtca ttttctcatt 87300  
tcagatatga ctgaataatc gtccaagatt aagttagtca agtggaaata attaggaaag 87360  
ggaaaaaggc ccagattctt caattttcag ttccattaca ttttattcta ggagcaaagg 87420  
cattctgtta gtctgaagca agacacactt ccaaagaaaa cgaggcacia tcaaaggcct 87480

tttgttttcc ctgtctccaa tgagcacagt ccatctgggc cagcatgtt tatgcatcac 87540  
ctttagggga tccctttgtt ctccagaaat caaatgccac caaaatatgt tccagaagaa 87600  
acgaagccag aaggaaagac agtaggattt tttcccaga ggggttaaggt ttattactag 87660  
aacattctca tcaagtgttc tctgtgacac ttcaagcaat gtggatcttg tggaattaac 87720  
tcattgccaa aaggcttaaa aataattaca atgaattaac ctattatatt aattacaatt 87780  
aattttcagt tgaacctagg aattccatct ctaggggatt ccttagcact gacatgtagg 87840  
aagtggcttt ggcatatgat aggttaattaa tctctaacia tctgctatca aattcatttc 87900

cttttaggaat gaccaatttg caaagaggac caatttgcaa agagaaatga gagtaagac 87960  
ttagagaaac ggcatggaa ggaatctctt tgggaacaga agtgtccagt tgggtgttct 88020  
gaacatctgt ataggggata cctatttagt tagcagtgc tccaaaggcc caaaattgta 88080  
tccatagctg attaatgagc actccaaaat acgtgaatgg gtacacatgc tggggtatag 88140  
ctcaataaga tcatgaaaaa tcagtgtcag tatggacaca aaaaaactaa tgattattta 88200  
gtaagaaatg atgatttatg gaaattgttc aaagaaacat agaatttcag agcaaaaagg 88260  
aactagggtc caaaagcctt tctgtcaac tctgtagcaa cactatccag ttgaaatttc 88320

tgtgacgatg gaaaggttct gcaactgcaat aattgatagc cactagccat gtgtgactaa 88380  
tgagcatttg aagtgtggct aatgcaactg aggaactttt aattttattt aattttaatt 88440  
aaatttaaac ttatagtaat gaagtgcaca gcactactgc ataccatggt agcagtcag 88500  
cctttgtcta aatccttttg atgacaggga acatccttcc ttaccattaa gcacctcca 88560  
tttagaaaga gtgcttcaga gctcatcatt taaaaagttt tgcttcaagt tgaactataa 88620  
tctgccaaat acagatccac cccctgtgg tttactctc acctcctctc ctagaccaca 88680  
cagaataact gtcacagtc tcttactgtt ttttagtatt tgagaagctt caaaatgctg 88740

tagtatcata gaatttcagc catggaaggg gcatggttta gcttctttgt tgaacctccc 88800  
ctcttagtgg gtttttctct aggtgaaaaa aattttgttt tgtttattat ttattttatt 88860  
attttgagac agtcttgctc tgtcaccag gatggagtgc tgtggcacia acatgactca 88920  
ctgcagctc aatttcctgg gtttgagcaa tctcttggct tcagcctcct aagtagctga 88980  
gaccacaggc atgggccacc acatccagct aattttcaat aattttttca gagacagggt 89040  
ctcaccatgt tgctcaggct agtctcaaat tctggactc aagcaatctt cccactttgg 89100

cttcccaagg tgctgagatt acagaggcag gccaaagttt ttatacaggt aagaggacac 89160

ttagggtggaa agagcttgag gcttttagtt caactacat gtgatactgg gcaagtatat 89220

tcactttcct gagtagagtt tcctttctgt aaaataagga taataccatt tagtgatctt 89280

ggctactttg agaactaaat cagataagac agagaaagca tctaactctg ctgacacac 89340

agaagtcact tactaaaaca tcagtccttg ctctctcata taacatgtta ttccattcag 89400

caccttaatt actctcaata cagaagctca atggcctaca tgtaaatgac atccaaatat 89460

taacagagtt aaccagctgt ctgaccagga cagaataaat acaacagaac aaacatatcc 89520

cttattctag actttctgtc tctactcata caacctaaat agttaatagc tttttaaaat 89580

ccatcttctt tcctttcttc ctctcttctt tccttctttt cctttcttcc ttcctccctt 89640

ccttcgcac tatttcttga ttctgtacca tgtaccccaa actacgctag gccaggaga 89700

taaagtagta cataagacaa ttgaagttcc ctgctctcac agagtttaca gtgtggcatg 89760

aataaaaatc atcatcaagt aaaatcctta gatcttttcc catatgttac gctctttgtt 89820

tctgatggct ctttatcctg ggaggtctacc ttctaaagc tgcattgctg ttgagtggta 89880

cagaacctct tcttggtac attcaactca agcactcggc tggtaccat gtaccttct 89940

tcagtgcctt gtgaaaactt gattaaaaca tcatctggca ttaaggatga tggtaaatgt 90000

ctgccccaaa ctaagttatc taaaaaatt gtctctaccc tatgaattac actacaacat 90060

tagtaaccac ttataatagc ctatccacaa tatggatcat aaaatataag acccagacta 90120

cgtggagttg aatttttga tccttactga tgaatatata gacaactgtg agaaagtgt 90180

ttaacatttc ttaccttag ttttcttgt aagatgtgga taataatggc acctaatita 90240

taaggctgtt gtiagggata acatgagata agaaagcatt tcaccaatac ctgatatata 90300

atcaatgtta aacacatgct gccatttcta ttattatatt tattaacatt cagtgtagaa 90360

gcactgttat cactcgtaa catgcactcc tgttttctt tttctcaac ccactttttg 90420

ggatatattt tccttttacc aactttttcc ttttgtgtac catagtgtgg cgacatggca 90480

agaggaaaag gatggagact tcgggggtcaa atagatacag gttcatatct cagctctgcc 90540

cctactgcta tggggtctt ggtaagataa cctctcaaga cttcagaacc ttcctctgta 90600

aaatggagtg ataacattaa ctccgtaggc ttgtaacaga attacatgag gtgacctaaag 90660

gacaatggct cttgttgcat aaaattaatt tttttttta ctcaagaaga ggctattgag 90720

tacgttaaga gtgagacctt tcttagtaac tcaactgggt cttgcttatt agcctcagaa 90780

ctagcgtccc ggggcagctc cctaataaag atatgagcac agttttccag gatgcatagc 90840

gccctggaat tattctatct caggagaatg tagccagtgt tcaccctctt ggaagagact 90900  
 aaaacatatt agaaaccaga acccacaaca aaacttttta gaacactccg ggaatgttaa 90960  
 tacttcattt agatgtcctt ttacaaaaat ctgtccact atctagctat gctggacaga 91020  
 gtgggggagc tgaggttcaa aaggatgttg aaatcagaaa ggcatgcaac ttgtaatttt 91080  
 tgtattgtta catttgtaaa aacataattt tcttctaag tcaatatttt tctaaaactg 91140  
 acattgagaa tcttacattt ttttctagct agaaaatgat acacaaatga cacactcaa 91200  
 ggtgaattca agcttcattc agaggtagct cttaaaagca gaagactaaa ctgaagaatg 91260  
  
 cattcttctt ttttagaaa aacagagaaa tgtaaatagc gaatttact ttgcatgaa 91320  
 aaacatcccc cttaccctt tggggcctgg ttatggagt gtgaagactc aaagcaagat 91380  
 gaagggttta cttttatcac agcttcataa attcctctga cactggttca ttgactaat 91440  
 gtgaccacac acattccatc ccatccattc aagtgtagca ttttctttc tattcaagta 91500  
 ttctcagggt ttaattaaag cagccagctt tctagtaatt acttccccca tccatcttac 91560  
 cagctccgta ttgtcttccc ttgaattggt ttctcgctac agcccctgcc tatgttacag 91620  
 cttaggaagt gtggggaggg actcactgta aaagtcagtg gatctcattt tcttctgcct 91680  
  
 ttcatttaat taaaacagat tgagtgaaga agatttaagg ctgattttca tgtgcaggag 91740  
 tatttggaca attttaaaaa tacctacttc taaaagtga agactgtcgt ttcaatggag 91800  
 agcacttgc ttttgcctc ccatccattc tatactcaac agtcagtata gttttctcc 91860  
 tcgttcaaag ccttttagtg acttccccct aaacattacc tacagctcaa attcatgggc 91920  
 tttaacatgc tggtctcac ctagcttctg gtggcttcat gtcccatgat ggaggtcaca 91980  
 cagagccaag acattcctgt aatctttgtt tatttctatt catgtctcat gctgtacttc 92040  
 tggccacaaa cctccctcat ctggagtccc cttttctctg gactctacgt atctacaata 92100  
  
 aattctgcat attctccaag gtccaattca atgtcacttg tcccttgaag ttttccagc 92160  
 ctttccattc caaagtaatt ttattctttt tcataatgaa aagcaatttc tcttcatctt 92220  
 gctgttagca ctctgtattt tctacatttt gtaatagcta tttagaaatt atatcaatat 92280  
 gtgtgcacat cataaaagac aaaaagggtt ttataaaca ccttgagtgt ttgatcatg 92340  
 caacctaaaa cagtccttct tttcacatga aaggctactc ataaatgttt agggaaatgtg 92400  
 tgaacaagta aatgaatgaa tgacaaatga gccaatggct gctgagtatt tattaatcca 92460  
 tgcttaacct ttggggtagg ccccaaagac aaatgaaatc acgtcacatg caacatcagg 92520  
  
 ggaagaaaag aatggggcag tttaagtatg cctaaattat caattaagaa taaaatggt 92580  
 aatagccaag tgaaattgaa ccgaaatttt ttttaaaaag aacttgggt agtttctttc 92640  
 tttctttctc tttttttaga gatagtgtgt ttgctttgtc acccaggctg gagtgcaatg 92700

gcgtgatcat agctcactgt atccttgaat tcctgggctc aagctatcct cccatctcag 92760  
cctcctgagt agctgggact acagctgtac accaccaa at ctggctaagt tttttcagat 92820  
ttttggattt tttttttttt ttgacagagg caagatctca ctatgttgct gaggctgctc 92880  
ttgaactcct gggctcaagt gatcctctgg cctcggcctc ccaaattgct gggattatag 92940

gcatgagcct ctgcgccag ccaaagttaa tttctttata atattcaacc cacattcatg 93000  
ccaaatttca ctagataaca ctattcacat ttatatgttg cctcttgga tatgtaaatg 93060  
agcaatcctt ccaataggaa atgctaattc actacattat acttcataac tctcattcat 93120  
ctggaagggc tgggaacaaa tccaattttc caccttgctt ctaaagagtc aatgtcaagt 93180  
gtaaatttgg taagtagaaa acagaaattt caagctgatt aggtcccaaa ttatacattc 93240  
cagccccctg ttgacagac tacacagcca agatgagaac cttcatcttc tgaccacgga 93300  
ttgagtaagt gaccagctgg taaacctgat cgcactggcc ctgctccaca tccagtcttt 93360

agcactgccc caaagtcttc tccccctgat gtgatgccac caaagtaaag agcttgccccg 93420  
tggtgttatt ttctgcaatg cacagaatta ctgtcagtaa tttccctctt ctgtctgag 93480  
cactgtatgt cttagagcaa tgcatgtctt agagcaatgc atgaatcaca tgaccttttg 93540  
atgcttttgg gaaataaagc tctctcctt ggctcatcaga aaggaggcct ggcttgagga 93600  
agtgcctcag ggtgaagccc aagacaggga ctagactctc ctagagcctt cctatagcct 93660  
gtatagactc tgccaaagtc atcttcatgt ttatcatcta ccattctctc tttaggtact 93720  
gacaccattc tgtctttctt cttatcatcc accccctcca attatccca tccccctca 93780

aaaaa caaa attccatccc agaagttcag actagaaagt caaaaatcta aggaaagtgt 93840  
tgcaagaatg atgaggactg tcagtggtctg ctacaggtat acagattcca tctcacaagc 93900  
actgtccagg attgcattag tcttggttgg tctgacagaa tggggagaaa caagaccggg 93960  
tcaagaggag gcatcaggaa caggtattat cagccttgca tgttgctctc taagttagag 94020  
gactggataa tatttttctt ttccagatgc cctgttatct gcaggtttta gcttgatac 94080  
ttttgtctc aaggtctaca agaaactcca ggctcagcgg tctgtgtgt ctaactccat 94140  
ttgcaaatgc tccagcctc atgatgttg cgtgtgtca taattatcag cagccccctg 94200

gaaagatgct attactggaa gtaatttcac attctgacat ggcaggaagc tagtacaagt 94260  
tgtaggtacc tcagatctct gcaaagagtc atgtatgctg gtaattttta gttcactaga 94320  
aataaattta tcaaagaaat actctcgcat atatatgctg aggaaggaa aaatgccata 94380  
aaaaggcata tctctcttcc tcccccaacc atcctccaaa gaactaggga agacaagtca 94440  
gtgtgggggc catatttttt atctgactta aaagaaagaa aatcagattt tttaaaaaat 94500  
cagaaattaa caagtagaac aagtcttcta gtccatgtag aagaaatct tagaaacaaa 94560

gagtagaaac attaaggaat aataatcaat ccttctgaga atgctgtttt actgtccata 94620

gaaactaaag cctgtgcttt ttagcagaaa cccaagagtc tgttgacaat agaaagcaca 94680

tgcctttgtg aaactcccat agtaatcgaa catcaaggaa aggtagtatg tgaaatacgg 94740

gcgacttaat ttttcctag catcacgaag atcaaaagaa tatctctatt ctaccaagga 94800

gacaccccaa gtcttttacc tccccactgg gggaccaagc aaattccttg atttctcatg 94860

tcattaccac agcctgaaat gatgtaacaa taacagcaaa ccggggtgtc cccctgcgcc 94920

aactctctaa tcaggttcaa agtatgtttt gttggttctc attgacgcca ctcaaaggaa 94980

ctggtcactc gtggtctcaa aagttttaca acaaattgtg tgattaaatt ccttaaacac 95040

gtctgtccat tactaatcct cttttgccaa catccctttc agagaaaaat tgcagcgctg 95100

catgggtcct gatttatatt tcattttgag aacaggaagt aaaaggatta aagttaagga 95160

ttaaaacact tactctttac tgcatttttt tttctctccc tgaatggctt cctggttgcc 95220

atggctactg ttactgtgtc cttagccctg aatgcacatc tctttgcatt aataaaatat 95280

tttaaatgag acttcatgga aaacaatagg aaaagtagct ttaagttcaa ttgctcttga 95340

aaaagcaggt acaaattttt aaaaatcctt tttctttgtc cttttattag tatattcaag 95400

agggaaactt gaactaaaag acagcacagg gagtctaaag atgtacaatg caaaatcaga 95460

attattcagc aagggcacaa agaggttaact ctgagatagt gagtgtgtcc ttagcttaca 95520

aaccagtgtt tgiaggaaga ttaagggtcc ctgggaattt ctcaaagtgt gcaataccac 95580

agaacattta aaaggcaaaa atgcacgtaa atgcagtgtt gcaattccaa attggaata 95640

ctagccagga aatgaaaaac tgaggttttc actaccacaa agttaactta accataacaa 95700

tgtaaatatc attgctttgt acccaagtig ctggtgttcc tggtagcagc atgtcatagg 95760

agtgtggcca aaggggcaat accacgacag catgtgctgt cagagctgaa gatgtttgca 95820

tgaacagtgc actcagctga ggccaagtta ggcaccaga agaaagggtg acattgacaa 95880

gtgagcaaac acaactccat ttgaattgtt cctctaaaaa ccctccattg aaattcattt 95940

tagaatatac tgcctacatt cctttaaaaa gccaaggaaa actgatgaga tggaacataa 96000

taaaactcct ttttaacttc tattcttaaa gcccaatagc aggatgagct ccagtataaa 96060

ttgtgaagtg acttctaaaa cactactcca tcattattt ttttttttc aatgctctct 96120

acttccaagt tttctctgc cttgtcatct attggtttca agttattcct ttattcccca 96180

gggccccact gaaacgacct caccagggtc caagtatact ctatttctga cttctttcaa 96240

ccccatattc ctattgaaac caccgttcct gtatagtagc cacagaaaac ggacatagtt 96300

gtccttgaa aattggtaat tgaaccaca ttgacatata atgggagtga agtgttgac 96360  
 tgcctttgct atacaatgaa aaaataacta atagggatct tctggagata atcctataac 96420  
 tgaaaagaat gattgtattg gcggcaattt tatgctttct agaaggctag tgctaagaat 96480  
 aatttcaggt gggggtggta aggaacgtct atcaaatcat gagataactg atggcactca 96540  
 tgggcaggac ttagactctt caaacaatg tggatgaaaa tgtttagggc taaatgcaga 96600  
 ctggcaagat agagtcatgt ctttcaaata tccatgttcc ctctttcctg gtttcagtct 96660  
 tttcttttgg aaactacttt tatttcagga ctatcctgaa tatttagggt catttgaggg 96720  
  
 caggctggga ttagtgtttg gctgtccttg cacatttgca attaagaagg accaacaaga 96780  
 actccacctt gagaggcaat tctctatgat gtgtcttgtg agcagggagg gagactggca 96840  
 atctttctga actatctttt caaagatgct ttgaaaaacc atgacagtgt ctccctcctg 96900  
 atcaaaaggc aagcatgctt atgtctatta taaaagattc aagtcccta agctcagaat 96960  
 ttccctcttg taatacaacc tagtgcctgg ccgtcttcat ggtaccttat gggaactagg 97020  
 acttaacaa ctggcataag aaaatgatga tactctggct atcactatta ctataaataa 97080  
 tacactgtcc ttgagactc tgaccagga gtctcatgtc tctgccagt atccatgaaa 97140  
  
 ctgtggcagg ctaacttgct agtgtgtaac ctagggtaaa atctcagact ctttgtaatt 97200  
 cttgccctct acagggccat ccctaggata cacatggcat tgaaaacaaa acacaaaaaa 97260  
 acaaaaactg tggggttctt gtctatataa tcaatttgag tcaccctcaa tcagaatgcc 97320  
 agaaccactg tagaggtcca atttcaacca attcagctaa agaaatgcca caatgaccaa 97380  
 tgttcaccaa ccaacctttt ggaattagga tctgcttata agaccccgga aagatcccat 97440  
 aggtgtgagt tctagagctc cttggggtac ttagttgacc ctacatatat ggaagagggt 97500  
 gggaaagtgc cctgaaggat ggaatggggg acagtgacca tgtgggtctc agttaggat 97560  
  
 cagattgccc caactggatg gtactgctga cctagccacc aagaggagag ctacacaaat 97620  
 tttcaattag gtactccaaa gcatggggaa aatctaccac catctctaac agaggccact 97680  
 atagaattca tgccaagaac ttgttgataa gttataaaat tttcagtgtt gggaaatcag 97740  
 accgcatag tcagaatggt aaagccaaaa gagcactgca tgttgagtta gaaaaatgca 97800  
 gcttgagtac agttctactg cttactgaat gtgctttgtt agtcatttaa cgtctctgaa 97860  
 cctgaggctt tctatctcta aaatgaaatg tgttctcctc atttagctcc cacttataag 97920  
 tgagaacatg agaacacatg gagacatata ggggaacaac acacactggg gcctgttggg 97980  
  
 aggttggag atgggaggag gagaatcaga aaaaataact aataggtagt atgcttaata 98040  
 cccgggcaac aaaataatct gtacaacaaa cctcatgac acaagtttac ctatataaca 98100  
 aacctgcaca tgiaccctg aacttaagt agaagttaa aaataaaaa aaaaaattaa 98160

aaataaaaaa aaataataaa atgaaatgaa atgggatcag gataccccaa ctggatggtg 98220  
 ctattggctc agttaccaag aaaggggctt gaagaatfff ggaaaagata cttcaaagca 98280  
 tggaggtctc accatctcta atagaaggcc acaatatata ttgtaatact agcctcgtag 98340  
 aattgttttg aagactgaaa aagtaaacac ccatgaaaat acccagcaaa cgggtatttg 98400  
  
 gtgattatta ttgttgcccc tccattttct tttaaactgt tatttcataa ctaaggagaa 98460  
 taaaaatagc taatggcatc cattatgcta ttacagtfff tttttttttt tttttttgag 98520  
 acagagtctc actctgttgc ccaggctgga gtgcagtggc acggtctcgg ctcaactgcaa 98580  
 gctccgctc ctgggttcac accattctcc cgcctcagcc tectgagtag ctgggactac 98640  
 aggcgccgc caccacacc ggctaatttt ttgtattttt agtagagacg gggttttctc 98700  
 gtgttagcca ggatggctc aatctcctga cctcgtgac caccgcctc ggcctcccaa 98760  
 aatgctggga ttacaggcat gagccactgt gcccgccat tactgactgt tttaaatata 98820  
  
 aaatcacctt ttcttgcttt tggatggtg tgaagagata aaagtgttac tgagtttgtg 98880  
 agtgtttttg ctatgttaaa gtgtctaata aatttcacgc ttaatatctt atggggaagg 98940  
 gaaatatata tgaggataga gacgggagat ggggaaaata ttatgaagca ttaggttcct 99000  
 cagttcattt atgtatgat ttagggctcc ctatgtgtct gagtctttgt gactcagaaa 99060  
 ttcaggaact tactcttgac atatttttga atataaaaga acaggttttt tttttttttt 99120  
 ttttaagaa gaggtggggg atcatctttg gatccttggg tgctattttg agtacacaga 99180  
 aatgaaatcc gatttctata tttgcttatg tacacatgag gaaatgaaat gtcaaggatg 99240  
  
 tcctttgcac tattatctca aaatacagtt tctattcaaa gtctacgat ggtaaacatt 99300  
 atctaaattc ctatagccta gctggtgctt gtgtgctaga ctagcccaa gcagtattgt 99360  
 gaaacagagc ttcttgctt cgtgccttgc cagctctcta cctatatttt tccttttgag 99420  
 tctctttttt caaagctcag tgatgtcctt agagatttga aatgaggaaa acttctcatt 99480  
 acagtaattt atccttttta ccacaaact taaagatctt gcatcacaac cctacgggac 99540  
 ttcgcagtat ggttgctact gaatctgaaa gcaaattgga gctcaagttt tgattatgca 99600  
 cagtggtgtc atgcattatt ccttcaagat aagggtgtga gtacaacagc tgcctgcgat 99660  
  
 gtgtatctcg aaataggagc agttgaaatt gtattcagat caccacaag aaagtgcctt 99720  
 tctcatataa ctaagttgtg tccaggagaa aaaaaaaat tatgttctga gcacctcta 99780  
 cattctgcag ttiggatttt tcaactaagtc cattcacagg catggtctca cttgaatcac 99840  
 acaatcgccc tgtggaggta ggttgtttta gcatgggaac cggaagctca gagaagctaa 99900  
 gtaatttctc ccagagtcag agctaagatt caaactcagt caggcacagt tccaaagcct 99960  
 tacttgctct ttacaaaaa caagaactac caccatcaga agagtatttt cactaaaatg 100020

ggagaaagct ggagtttaaa caaaatagtg gaataatgag ttggcctttg taaaagtgac 100080  
  
 atcaaaacag aaaccttttag atgggggaga aaaatctaaa aatatgtaaa aatatatcta 100140  
 tagtaaatTT tctatgatta aaaaatccac acagcaaatc aagtttcaca aatggcaaac 100200  
 tactaaaata tatgcaatat ttatgacaat taactagtta atatctgtta tatatagtta 100260  
 cttcaaatca atataaaaaa tatccataaa ataagaaaag acaacagata atataaaatt 100320  
 gaaatataaa tggtaataaa attttgaata atcaaatcta ccagcaatct aagaactgta 100380  
 tatcaatagt tcatctatta ttcatccatc atactgtgta cacacacaca cacacacaca 100440  
 cactcacact tcacattggt aaagtgtgag aaaaaagttg gttttatata gtcctaacag 100500  
  
 aaattcaaac aaactgttac aaattttggg gaagtcattt tggcaatatg ttgtaaggaa 100560  
 tttatttgaa gcactttagg atatgtacta agatctatat actagcatat gcgctataga 100620  
 atgtttcatg atagtacaat ctttaaaatc atctaattgt ctgaaaatag aaagtgtggt 100680  
 aagtgaatg cagtgtatct tttaaatgc agtcattaaa aatatagtta ctgtcaaggc 100740  
 aatatattca ctatatacca cttagaagaa tcaaaacaga gggacccata atatgattgc 100800  
 atatgacagg aaaaaatata tagaaagata ggcaccaaag ttaagccact gtgattcatt 100860  
 gattgtaaaa tatatgctaa catctctgaa atcaagacaa gacttacaat caatggtgtc 100920  
  
 ttggtttcaa tgaagtttg catatgtcct cattttcttt ttacacagat aggcatcgct 100980  
 tatgtaattt taaaagaag aatggactct gaacatgata taacaacact gctactacct 101040  
 ggcttattta tttttttct acaggaggga gtggtgaagg ggaaatgcgg aaaaataatt 101100  
 gctgggggta aggtggggaa ggataggaga gaagttaaca agagacctca tctagctagt 101160  
 cagggaattc aaggttctaa gtgttcacaa actctgtctac caaaaacact tgtaaaggtg 101220  
 attataaaag tatgctttga aaaaatataa agagagaaag ccaaaaaaat ggagaaagag 101280  
 atgcatactc caaatttcag taaggtaaaa aagagcctag aaatgtatct aatgaccaga 101340  
  
 aagcttcaac tttatggttg gaaagattct acgaagaata atgggttgcc aagcagtaaa 101400  
 gaaggaagga agtcagttgg agttaggatg gggtcattgg gaacaaccag agaactctca 101460  
 tttccttttt agataccatt agtggaaagc cactcctaga attccaagat aattagccaa 101520  
 gtctctcatg atagcatttt ggaaaagact gagaaaccta gaactgatga tagcatggct 101580  
 ggggtgtagtc atagttagat aagccactta tctaaagact gttgattaat ggaaatatgc 101640  
 caaccaaact aattgccttg tctcctttca ctgtaaatc ctaattcgtt tcccacatta 101700  
 ccactataat tatctctcta aatcacagat ctgaccactg tatatgttta acaccttagc 101760

agggcacata aggcccttta gcactgggtt ctttgtcgac ctttttacct caatgcctat 101820  
 ctcaatagcc aataaatgac actgcaagcc tcaactgtgac ctttgtgac actgtactct 101880  
 acaccatgaa tgaatatag agcatagaga cgaatatagt ccatacgcca aaaaatctgg 101940  
 aatccgggta ataagaaaaa attgtgggaa actagagata ttaaaggaga atttcacaga 102000  
 catcagcaag gtcacatgg aaaagcagca gcacatttgg aagacagtag agcccatgtg 102060  
 caagtgtttc agaaagggtt ttttttttc tctatagtac aaggatgttt gaatatatta 102120  
 ggggttgctaa ataacaggaa tacccaaaaa gactatcata aaagtcagaa agtttaagat 102180  
  
 tacatgaaga agctttatga gtatcttttg ggacttccta aatgtgtctc ccatactagg 102240  
 ctgcaggatg gatgaggatg catttaagga tgcatataat gctgatgggc tatagcctag 102300  
 acctcatgta gtggcagtg gacaagcaac catcctaaaa gccatgcttt tctattatag 102360  
 ttaaaagaat agcctgtaat cccaccactt tgggaggcca aggcaggtgg atcacttgag 102420  
 gtcagtaaaa atctatggag cctctcccca gaaaaatata ttttgcatat aatttctggg 102480  
 agttcatgag cttcctaaaa cacagccatc catgggcctt tgcccatggt ctatgagccc 102540  
 caagtcaata acccctgaat ataattagat ttcacagggt caaatgtgat ttaaattccc 102600  
  
 tctagcttcg attccagctt gctttccttt gtctggatct tctgttgtgc tattgtctga 102660  
 gtatctgtat gaccagaaa gactggctct agtaatcact gaaagaatat tcagttctta 102720  
 ggaaggaaaa tatttccaag gatattactg gtctgttgtc aggcacagta gactgctatg 102780  
 gattgcaggt atgtggcata acaatgcttt ctactgaact agtccccctt tcaactctgg 102840  
 ggcccatgt ttgcctttca agctagtgtc caagaaggga aatggaaaa accaggggaa 102900  
 tgtaacttaa gctaagtcct gaagcaattc atggcagtgc ttaaaagaag ccatacctt 102960  
 ctgatgtcca atccaaacac cactctaaga catggccacc tgcttggtat ccacatgaa 103020  
  
 aagtttttgt attaggetta tccacgcctt tgtgtgaagt caccctgaaa acaaattctt 103080  
 acagatcaga gagccaagat acaaacaaat gggaagatac tgcccatgga tatcaatgac 103140  
 atagctcaac tgaagctgaa aaggaaagac aagagagaac taccagaggg agcagtaatt 103200  
 gcacaaagga catgaatact ttgggtgggga tggagaggga gtgcctgaga agggcaatag 103260  
 tgagctgtgt tatgagattt taggacacta tatttaggta gcagagagcc tgagctaaac 103320  
 acttttattc caaatgatt ttcatcaaga atgcacaaaa ttaataaga gaaagggaat 103380  
 aagaagctta gaaggcttct gtcagtcagt caatcagaaa aacaattatc taggaactct 103440  
  
 ttccataagg tagctgtgct aggcactgta cagcctgaat agtcattaa aacacctgtc 103500  
 agagggtcgt cattccttac acagttggcc agaactgtgc ccaaaaaacc catttttggt 103560  
 cccattacc aattttcagg gggaatagaa ataaaactac tttgttacat ttgacaaaat 103620

attgtaatgt aataaagaat aatactgac tccttattgc tttcagacag taaatataag 103680  
actactcctt aacaatctct atcatttgca aaggaaactcc caagttccat gttccagaag 103740  
ctttctctgt gtgactttat catagcattt cccccactat actgaaagct ggcatctccc 103800  
gggtgtgtctc ttgttagaat gtaatcttca ggagagtggg gccaggtctt gcttctaaat 103860

cctcagagct ggcatgggcc tcgctgtac tgagtacagc aggtcctgga ataacgtggt 103920  
gtctttataa tgctgatgag aaaaaaatc gattcctggc cagagctggt gtctgtgtga 103980  
agtgttctcc ccatgtctgt atgggttttc tccaggtact ctagtctct ctcattgacc 104040  
aaagatgtta ccattagggtg aatgggtgtg tctacatggt cagtgtgtgt gcgtgtgcgc 104100  
gcgtgtgtgt gtgtgtgcgc gcgacactg tgatgagacg gaatcctctc caggccttga 104160  
actgttgggg taggatccag ccacctcaa ccttgaactt aaacaattgg gaaaataatt 104220  
tttgtatttg cttttaatta tctttcttaa aagtacataa gctcacattc acttcaatgt 104280

ttaatgttaa aagtgttga gatctttatt tagaagttg atgatgttt tgtgaccaga 104340  
aatatgccct cggaacttaa ttctcgtttt atcaattagc ctttggtaaa attggttctg 104400  
ttatacatca tgttgcttag agttgcagtt tccaagaacc tactgaggcc attaatgtag 104460  
ggcagagtgt actcagagaa tcacaaatgc taacctctg ggtcattttc ttagatggga 104520  
gcactaagct atgcttttca ctgtctagca tgcagtcctt caattgagt ccatctccgt 104580  
taaggaggac aggtcgcaga aagggtgcaat taaaacaaat taagatgac ctaacatcta 104640  
ttgctatagt ttagtagtat caggttcttt ttttaaagc tcatacagga aggtacagta 104700

ttgcgactaa agcaatgctt tttcttttgt ttttttttt ttttttgacg gagtcttgc 104760  
ctgtcaccca cactagagtg cagtgggtgca atctctgctc actgcaagct ccacctctg 104820  
gggtcatgcc attctctgc ctcagcctcc agagtagctg ggactaaagg cgccagccac 104880  
cacgcctggc taattttttg tatttttagta gagacggggg tttcaccata ttagccagga 104940  
tggctctgat ctctgacct catgatccgc ctgtctcggt ctcccaaagt gctgggatta 105000  
caggcgtgag ccaccgcacg cgccctgcaa tgctttttaa aaatttcag ccaatctata 105060  
tttttccatt tctttcttcc tttctctt tttttctct ctccttctt ccttcttct 105120

tttctttctt tcttttctct tctcactctg tcaccaggc tggagtgcag tggcatgatt 105180  
acagttcagc tcaccacaac ctctgcctcc cgcgttcaag gatttatcct gcctcagcct 105240  
cccaagtagc tgggattaca ggcgcacgcc accatgcctg gctaattttt ttgtattttt 105300  
agtagaaatg gggattcgtc atgttgcca ggctggtctt gagctcctgg cctcaagtga 105360  
tcacccacc tcggcctccc aaagtgtg gattacagc gtgagccatt gggcctggcc 105420  
tcatttctaa attagtcatt tgaatgtgtt ccactacaa atatgatcag ctctcagag 105480

aggcctttcc tgcccatctc acttcaatag gccaccctct gttaacatcc gtatcagttc 105540

ccttattgtt tccttatctg tatttatgtg gctgattttc tgtttatttt ttttactgtt 105600

gttggacttt catgaagata atgtaaatct atgagggcac agaacttgtc tgtcttatac 105660

acatttgtat ctctggatct aacctagtgc ctgacacgca gtaagtactc aataaatatc 105720

tgttgagtag aataaatgat attccttgag actgtacttt gcaaacaatg tagtagaaga 105780

gtagtttgtt gagatctctg gagaaaaaca aagatggttt agttggccaa ataattttga 105840

gcaacgccta atgttacctt ccttctggaa tactgggtata tccaaggctc tgagaactat 105900

tgcaagaaag aaacccttgg gtagtactta acttagtgtg tcctaaattt atatgaccaa 105960

aaaaactttt taaaagaaat atctaataac attctgtgga acgtattcta aagcgcacac 106020

ctcgggcaac agctttaagc acgaaataag atcctggacc attaccccag agatgggtgg 106080

agatactttt cgatattttt ctgtattttac ggaaaggcca aagacagctt ttctgatcac 106140

tcaagaaagg aagagaagct tattcttact aagtgggtcac tttcattgac aacctctcct 106200

aaatcctgca aattatggat tcttacctct ttttaaatgg ctcccatcac tatgtagcat 106260

caaatgtctc tggaaagcat agctggcagc atattgggtc tacctaaaag ggaagcctcc 106320

aagcaactgg ttccaatcc aaatcactgc tattggcaca gggttaaatt taagatggct 106380

tattttttca tttgagtta attattaatt agcataaaaa tttctaacca aaaacactgg 106440

tgttacaaaa gcatctccca gagcctttat tgaagtaagt tacttttcaa atgagagcat 106500

caggatatcc aggtatgtct caccatcatt ttgagggtgtg aggttaagtaa tgcacatca 106560

acaatgatta aagtacagaa gtttgtgact cgctttttaa aaatcagtgc cgtttcaatg 106620

tcatccccgt aacagcatca ctctccgtca cgtgcattct aatatagttt ctaaaatgtg 106680

agaggaagag gtggactagt tcatcttgag atgatatgtc tgtgatatgt gcctattact 106740

aatattctat taatagtatg actgattttt aatttatcc tgagcagaaa caagaaagga 106800

aaaaaatgag aagggtttgc aaaatctggg gtggccctga tcatgcaccc cacttgtgca 106860

tacaccatct gccgtctaga ccatgactga aagcaactga cagaaaaagt gtgccttatt 106920

agtcactta atatatgctt caatttaaag gaaaatacat attttcacat agctctttaa 106980

gattcaaaga actgtacaaa gcaaggtaag cttatgtgat acttaatgaa aattttctgg 107040

ttttgagtat atgtggggga gaggtgggtgg tggtcttgaa ccgattttca aaagttacca 107100

gttctctatg aagaattaca gtaaatagac tgccctaatt ttgccagaaa gcaatacaga 107160

gctgttctct acgtaggaca tataaatgtg tgttgcatc gcgcccattt caaatgctat 107220

gcttggttta taacagcctg ttttgaggtc acaaaagtga aagccatcag ccacagtggg 107280  
tcataggtca atgtttaaca aacatttaac aaatcacaaa taaagtttga atctttgtgg 107340  
aagtgtgaaa tggatgaaag attcatgtca cctctaactt ccggcatcct ttgtatgcac 107400  
ttttaaaaag tccatttcga tatcagtctc gaattaaagg aaaccctcct gcttatggca 107460  
cttacaaggt gaaaatgaaa aattctgata aagctcatag ccttgaggaa aatttcaagt 107520  
ggcttattgc cttagttttc tcttatttca cttactcatt atcagacaga attgaaggac 107580  
agattctgcc ctttgctcta taggcgaact tcttctattc tctgtggaga ccacagtggg 107640

tgacttgagt atttcgctac ccatttttct gtgtaaccct tgatttaatg gactcgagat 107700  
ctgcaaagca cattccatga aagaagtcctg tacatcggct gatgggatgt gtgggtgtgc 107760  
aggaattatg caaagagaaa agttactctt ctgcatgcag tgaaccaaatt tatccccatt 107820  
cctttgcaga agagtttttt tttcttcttt ttttttcttt tcacagcttg aataatgttt 107880  
agctgggatt tcaggttttt cttgggtttc agtaggatcc gacaggtgtg ggaaagggcc 107940  
acgtgcccac ggtcagggca tcacttatga gatcccgacc cctcctcaca tgaatttattc 108000  
tatggctatg ggtgccttgt cactggcccc gattccacag taggactcat aaaactggca 108060

accttaagac caaataatg tcatttaatg tctaggggga ggttacaaag gggattagag 108120  
gcaggcaggc aagcagggtg tattaataaa gcccatgact aacagggtgt gacagaaaag 108180  
ggtttttattc ttttcaacaa aacaattccc taggactagg accattactc cactgtgcct 108240  
ttatcacctt ggaattttta tggttatttt tgattaattc acatttttgt aaaggctttt 108300  
ttgaaatgag gccagttttc aatttttaat taaagtcgta aataatctta attctgcctt 108360  
aaaagggtta ttgtttcttt tttttaattg ctgccaggaa atatttcaaa taccaagtcc 108420  
tgatgtgagt gagcaattag aatctctcca aggtctagta acaacattgt accatgtaaa 108480

tattacacc tggtatatca gcacaagatt tggaaatgtg gattgactag tttcaggttt 108540  
attagcaact gcttctccgg gaatgacatt tcctttttct gttggatgga gcaacttgca 108600  
tcattttaac ttccgcaaat taatccatca tggattcata aagaattttt aaaatctttg 108660  
gataaaaagg caggctaaaa tcggaaagta aacactgcaa acttatcact aagggtgtgtg 108720  
caatgcgagt caacaagtc atgaaatcca attcaaccac ttgcagaaaa cagtgaacat 108780  
caaaagctaa gccatttgag agacagtgtc tccatttaca taagacaaaa ttaagagaac 108840  
actgcaattt gacatgagat tacaatactg ctccttgaaa gtatactctt ctttatttag 108900

gttgtttgtt aaagggtgtc tgcaaattgt caataaaata atattttgca gtctcaagat 108960  
atggttttct tttttcagtt agtgcctcaa taatctttca cacaatcaaa actactcttt 109020  
ctttatagag aggttgaaac acaacaattt tgaacaggag aaaccattaa taattcctga 109080

aaatatcccc tgttatgttt ccaaattctgt catcctaggt taccttctta acttgaacat 109140  
cacagtgttg cttatttgc tagatagggg accgatactc tttcatgtcc atgacaactg 109200  
ttaatctcta caaggttact ttccgatgtt aatgatagat ttactattac aataaaacct 109260  
tacacatttg cacaacttgg aggcaaaaaa tgattagatt tagggggaag aaaacccct 109320

catctagaag tttgtttttt acaactatca tttattactt caaatattata aggtatatat 109380  
agatgataac aaaaataata gacgttggtt ctgctgaaag tagttaatag catgcaaaaa 109440  
gggtgtgtta ttttaagaag actaagcact tgctttctaa ctttatttac attattaatt 109500  
aacttagcag ttcccttgc tttctgaaac acaaaagcat atctagtgtc tgtctaatga 109560  
tcacagatat caatttactg ggattccaat taaagaaatt taactacatt tctaggaaaa 109620  
aatgatgttt aacaattaac ttacaagagt gggtttgtat gcaattaaga ctatctatca 109680  
aatccccctg actgagcatt tttctaactc acagggaag ggtcaaattc cttccatata 109740

cacacctcg gctggcattg tgctaacact tctcaaggaa gaaaaaaaa atctcaagta 109800  
acaagaagac tatagagcat ttccaacat aaaagtgtta aatccccata aaccatgaaa 109860  
gaatgcaaga tttctaagta gaagccacgg tgacctgaaa cccttgccat ggggttcaat 109920  
cacttgaaat acgttgagtc tcaaatgcc cttaaatgtt ttataaaggg ccctcaaatg 109980  
aatcaggaac ccatctcaat accaatgaaa cactcaaaaa gccaatgca gctcaacatg 110040  
ttttctgcca tgaatagaag atactcactg atccaaaaat gtaaaaactt agttactagg 110100  
aatgccttg aaaggtagta agctctctgt ccttgagggt gttgaagcac agtgcagtca 110160

accacttgct agacatctta tggagttagg agagcaagcc aggtggacag gatggttggt 110220  
ctctaacatt tcttccaaat ctaagatatt atgattttta tgaactttga aaatgcgttc 110280  
accctcatt aatgtcaag tggttttaag ttcaattcct ttttcagatt ttcatacaaa 110340  
tcagaaatc tgctttttct ctaagcttaa agaattctct ctacttgtcc tagagacgta 110400  
cttaccttct tcattagagc ttcacgatat tggccaattg atattttatg aaaaagcatt 110460  
tctttccaga aggtattctg tgggtgtgtt tttccaatt taattatctt tagctatctg 110520  
aacttaactt ctataaaagc ttttgttgc tttccagttt gagggacttt cttactttt 110580

ctctgattcc tattatacaa gcctttccca gaaatttgca tagctatagc agctatgcaa 110640  
accatagcca tatcagctat gcaaacata gccatatcag ctatgcaaac catagccttg 110700  
ctattacttc atgggagact tacctcctca aacggtctaa agcagggttat accatgagaa 110760  
gtataagaat ttcaagtgcc ctgcagaagc ttcgtgtact acaagaataa tctgaacatg 110820  
cttttccga ctggaagatt ctcttttaaa attacctttt tcttgccttg ttgctctttg 110880  
gaagaatgtg ccttcacatg ctttcttagg gaacttgggt ctgtgtagcg tttggtacat 110940

cctggaattt gacaagcata aggttttctaa atgagaaaga aagaaagaaa cagctgtggt 111000

taaatcataa aggttaattgg ggaatgtttt actcaaagac tattgacttc agagcatgaa 111060

ctgttaccaa ttgactgatg tgaaatgcta gctaatactc atgcatttta attacaaagt 111120

ctagtaactt tgiatcatgg ttaagagaag ggtaaaacttt caaggaacaa agagatgccc 111180

tatccttgat gattttctaag agattgcttt agtgtgtgct ctaaccacaa aacctcttgg 111240

ggcatttttt aatgtggaat ttattagtaa gcatctctag tcatacttac agttatgttt 111300

ccctgagaat aatcttttgg actgtcagaa actagtaaac acatattctt taagggttca 111360

ggtaaagaag ctgtagaaag tccagaaaaa aactgggtat ttttcagaag aaacctgatt 111420

cagaaagaga aaggagagaga attaagaaga gaaaattagt gtaaagttag taagagacag 111480

taggtttcaa acagacacgt gaaaaatctt ccaaagaagc attaataata ttagttgcag 111540

aggtgtcctg gtgttgagcc tgagttaagt gaataagctc ttggctgagt gcaatcagaa 111600

cacacatttt ggctattcca tttcccccatt gctcctggga gatgtgaggt gtggtgctta 111660

aggctgagtc tagcctcttt ttttttttta gatgttgttt tgttcttgcc tcccaggctg 111720

gagtgcagtg gcgcaatctc ggctcactgc aacctctgcc tctgggttc aagtgattec 111780

cctgcctcag ctctctgagt agctgggatt aaaggtgtgt gccaccacgc ccagcacttt 111840

ttaatttttg tatccttcgt gcttagtaca taatagaaat gaatgaatta agagcagctc 111900

acatccattc acatttcagc acctatttct gttatgaccc ttaacttat caaaagtttg 111960

aggctatgac tcttcagttg tgagataaat caaaatcttc agcctattca agaaatgaaa 112020

aatttaaaaa tcacaggatt aactgtgttt ataacatata ttaatagtag ctgatatgct 112080

tagtgtctca tcaagtaagg taatagagct gtgcttgtat gatgtgaaat gtaaggaaga 112140

gacctgaaac catgtcttgg gattcttgct ctgaaactt gttatagtaa aaacaacaa 112200

acaaacaaac aaaaaatctg attaatctga ttccttttta atgttgcttc tgtttttatg 112260

tgcattgatg tcattctgtg agcaaacaaa taagtggatt acattatttg acctgctaga 112320

agccatattt atggttcact cctttttttg tgcactgga ttccaagaac aagattaaat 112380

catgaacata taatttaatt tgacatacca aacttgaatt ctatgtttga ttatctgctg 112440

tgttcattga ttgactgact gtttgactgg ttggttgaat cactcaaaag tatgcttccg 112500

ggatgtgctg ggcactgtgt ttcagactag ggcactaaaa gtgaacaatg gataaaccag 112560

gttctcgata cctcatggtt tctataaaat agtgagttaa ttattggcta aagtcacttg 112620

ccagttagtt tctaccgagt aagcaaagat tttctttaac ctgggaatct tttctgaatt 112680

tgcatagcct tcttgacta gccttcccta cctgcccctg gtttcaggag tgcaactagc 112740  
 taagatcttt actggcgatc ccattgtaaa agcttatgct ttgagcatta gaggagatgt 112800  
 tacatgtaca aaaagcttga tgactattaa caaattatat aaattgatgc cattattatt 112860  
 accatggtca ctacaattta gggttgtaat gtcattttct atttgatttt tttttttttt 112920  
 tttgagatgg agtcgcaatc tgttgccag gctggagtgc aatggcacia tctcggtca 112980  
 ctgcaacctc cgctcccgga gtttaagcga ttctctgcc tcagcctccc gggtagctgg 113040  
 aattacaggc atgtgccacc acaccagct gattttgtat ttttagtaga gatggcgttt 113100

cgccatgttg gccaggctgg tctcgaactc ctgatctcag gtgatccacc caccttggtt 113160  
 tcccaaagtg ctgggattat aggcgtgagc caccgtgccc agccttctgt ttgattttga 113220  
 gatgttcttg gagaaagttt gactacacac ccactgttcc tctcagctga ctttactttt 113280  
 cttctcttgt tgtcagccac tagggaagga ctggtatgcc aaaaaagtaa tgtcagggac 113340  
 tgatctaagt agtactgtc caactgtcat ttatctcag gttacctaag ctttaactag 113400  
 catgctacac ttcatcaac tataatattt gttattttcc acctgtactg tacaattact 113460  
 gtgtagatat taagatgcta atagagagat taattaatac aacttttaag ggttagaatt 113520

aggaaactcag taatgtttat gggaaaacca tttttctaca aataaggaat ccacttagtt 113580  
 gaagaaagat actttatcca aaattctgac agtattatag tataaggagt gattaatgaa 113640  
 agggaacaag gacctaaatt taaataacaa attcttcaag caagtatagt ttgtttttaa 113700  
 aatcaagtgt gtgatttcta tatgatttta aaagagctta ctaatttggt aaatgcagta 113760  
 aaaaatttaa acaggagcta gtttggagct taaaggaaaa aatgatgctt taaaaatatt 113820  
 taatagagaa ataatttttc caaaaaaat agctgagttt taaaagcgat tgcattaaca 113880  
 aaaatcagga aaccactata ttaggtagcc ttctcaaaa gtttttttaa aagatatata 113940

tttttattcc aaaatgattt ctgaaaatgc tcttagcttg attagctaaa attagctcca 114000  
 agcaaaggag ggcagtgcga aaccataaca cttagcctcg caacagtctt tgcaacctac 114060  
 agataactag ctggagtaga agcaatttct caagacaatc ttgtctcata aatgttcatt 114120  
 ctccatgat aaaggttaat gacgaattgg aaagtttatt ggatctcacc aagaccattt 114180  
 taggcacaac aaaatagggc attttaacac aatttattct tttttttct ttttctactt 114240  
 agaaaaatcc cactattcac cacatgtatt cathtagtgt tccattttat tggctctaaa 114300  
 atcactgaat tcaggtagag tagaaactgg gtccatccta cacccatgtt gctctaatta 114360

tatttgagat atttactagg caaacatcg catttatgca tattagggga taattctgtt 114420  
 tagaaaggtt atgtgacata tagctaaaat gacttctatg aatatgacta atagagacta 114480  
 atataaaatt taataaatat gtcaactata acatcagaag aatcttaaat atgtatgaga 114540

agggtgttag aaataacagt atcttttcaa aattcaaact ctggtgtagt ttaataatag 114600  
acatcagaat gttaacaccg aaaaagtact gtcataaata cattatttgc aagaatgtgg 114660  
gataagagat ctgtgatgtg tataatacac ttatcctgat ggctttgtta agcgcagtga 114720  
aattacatag agtctacctg gcctagtgtg acgaaaatgg catcaaaacc tgggaaatgc 114780

aaaggagggc tatcaacata attgagaaaa taaaagacaa gaatcataga aaaggcattt 114840  
gggaatgagc aaaatgttgt agcattaagg gacttaaggg tgtaataatg aaaatcaatt 114900  
gttctcatag ggttgatgtc aaagaatatg tggctgctaa cagataggaa gcatgaggaa 114960  
agtgaactct tgggaaagat ttactgtttc ttcttagatc agctgaaggt gaaaatacca 115020  
ggtggtttct aaagcaaagg gccaaattca ctcttgaaaa tcattctagc tgcaaagtcc 115080  
tatgtcaaga gggaaagaac cagggtagaa aaaaaaaca aaaaaaaca acaaaaact 115140  
gcttcatatt cctagcaata gcacacagta ccgacttgat atctcaatac tgtttttaat 115200

gccagtctct ccgatcact ctctgtacta aaatctacta catgacagcc cctaaactgc 115260  
ttttgctttg tacacagcgg tgaccaagta acccttctgt cccaggaggt tgtaatat 115320  
agaataaact gctgctacag aaaaatgaaa cagccaaata aatagggcc cctctggcct 115380  
tttaccaggc tccactgtg ccttggcat tgcctctgta acctgcagac cataaagcaa 115440  
acacttcacc agcccactat caagcaggca ctctctcaca ccaggcgctg ggttggaac 115500  
tggaagctc ctgccattct tacggtgtcc agatgcgtcc gctggtgtt ggcgcggtca 115560  
ctggagttag tgaaggcctt ctgacaaccc ggatgctggc acaaatagg cttctgcct 115620

gtgtggctcc gcaagtggat cttgagattt tcaagccttg aaaaggcctt ctgcacacct 115680  
tcaaactgca aaaagaaaac aatttttggg ggttgagaag gacctgaat gtttgagtct 115740  
gggggacagc taaaaaaaa atgttcttag ttggtacttt gccgaaatg ataaaataa 115800  
atcaaatcca aacagtaata aatattgtc ctaaaaatat ccgaatattt atgtgaactg 115860  
catttttcca ctgaatatat atgccattt ctgtatcaga tttgggtccc aaactgattt 115920  
ctgtgattta ctatgtcag agaaaattca ccgtgagcca tctggctctg ttaataaaaa 115980  
tacagtaatg tgtgtcttaa agatttatta aaaattaaca cacttttcca tttccaaatt 116040

ggtctaaatt gaaggaactg gaaaggaaga aactttctga caactaataa actaataaga 116100  
aaaaaaaaagt cagagtata tatgagaaaa aggagaattg aagatttgag agtccaggat 116160  
gaaaaagaca tgtgtccact agatcaatat gatcataaat ttccttaact atatttgtaa 116220  
gttttttcca accctcaaaa gaggaccat gttaatgtat atggtaatgc caaggcta 116280  
gagataaagt ttttaacagg ctcttataaaa ggaagctaaa agacaattca tttagtgtga 116340  
aatcattttc caaaaaagta ccgtaatact ttaatctttt ttacttttt agacatttca 116400

ttatctaatt catgaggaag agaagataaa aggcctaaga tttcaataaa tgtgtcactg 116460

gtttgtcaat aatatttatt gacagtaaca ttactcaat gtcttctgag ggcaaaatat 116520

cagctactat taatagggtc aaagtgattc caatccttga agtaacaatc taataaagaa 116580

aatgtgttag agaaagccta gaaatgaagc ataaaggtga gatggggatt tatcttttaa 116640

ctctctcttt ggtgctaacc cccagaatag ttatgttact tagacagttt taatccatt 116700

tgagttctca ctggaaggga aactgagaaa tacggaacac ctactggaaa aaaagcataa 116760

tacatttaaa gcaattaaga agcctcactt cttatagagg aatgcagggg ggtgagggtg 116820

ggtaaggaag gaaggtaagt tccagatggt tccatttcaa aattagcagg tataacttaa 116880

ccttgctgca agaaattgta taaaactctt tggttctctt acttactata atagatggta 116940

gaggacattg ttcacaacag aatgatctag agctggccag gttttgttga ttggaatatt 117000

catcttttaa taagggaaga actaagtaaa aaaaaataat taaacatgac atcactccat 117060

ctatttaagt tgtccagatt ttgcatgctg gattatttta agaaatttat gaaagttgca 117120

cttatttttg attgagagtt atacatgttt cacagacata tgttggttta tttcaatttt 117180

gatatatttg ttaaaataat ttgtgtgttt tctgatttc tatttcacat aaaaaataat 117240

ttagcctgag cagaagatga atgctgacga agccaactac ttttcagca gattgaaagg 117300

aaacgtcact agaggagag aggagttaag gggtcattt ctgcagcttt tcaagtgact 117360

ctcaaattta agaataaagg ggctcaacat taaaccccaa ctcatgcta agaggcctct 117420

gctgacaaa cctctgtttt tagggttctc ttggaatgac gactcagaga aaactcttg 117480

agctcagttt attgacttg gaatcacctg gtggaccaca cttaggtctg aagtgcattt 117540

gtggttttag acacccaag actgtagcct ggttcttagc aaggctcttt ttagggtgg 117600

attccatttt ggggccagct cccggggcac ataccctaac ctgagcagc cccatatcca 117660

ctctgttcca cagtcacctc agatcttgat ctgagagaaa gctgcattgt ttcagcacca 117720

ggatgagagc ggagaactac tttagaataa gattaatgag gtttctgtga gtacaggata 117780

aaacaacatc ctagtttcta ccatagaggg attagaagga tccaagacat gtctctgatt 117840

aattcaaact gttcacttga taagacataa actatatgta agaataccat ttccaagtct 117900

ttccagttaa atgtccactt gaatattcag ctaaaacca actaattgct attattactc 117960

ttaacagaag caacaatcaa agaccaagg gcttattgca ttccaagcaa atcagtgcga 118020

aatgaacaat atctcagaac atcctgacca ttttcaata gcaaggatag aggaaatat 118080

aggcacctag actgaaaatg acaacaaaaa gattatccgt aaaataatca aaatccagct 118140

gatatcagat gtttcctctg taacaagaaa gggcagaaga caatagaaca gcattacagt 118200  
attctcgggg aaaagattat gaatgaaggg ttgacctca ttatgttgta tgaataaagg 118260  
cagaagaaga aaggcagttt catgtagtca ggggctcata acatacacc ccaactcact 118320  
cttgttgaag aattcacttg caggaacctt ggaaccaag accagtaaaa tcaggcacta 118380  
aaggattgat aaatgccttg gtgagggtcc aaatatccaa ctcatcacag gagtgtgcag 118440  
ggcactacac ctgaatgaac ttgtcacatt gacaattctg ccgaaagaga aaggagggtc 118500  
tgttcatttc tctaattggcg tctggatgaa acttgaaagc aaataatttt atcatgaatc 118560

attatcatat attatgggaa taacctgtta attcatcaca agaatttccc ctccctcagg 118620  
cagttttacc gctagattta taagtccaat taaatgcaaa tgcattacaa ataaaacaac 118680  
atttaggtag gctataaaaa gattgttaca aaatatacca aaattggatt ctttgacttt 118740  
tggggcaaat ggatgccttt tacccttctt attttttttc acgttttcca attctttaat 118800  
gagcaagcat gtctcacttt gtaaacgtac atctaagctt agggagcaaa ggaacattaa 118860  
gagtgtttcc ttgggtttgg ccagatgctt tctcatcgag gttcctaaag ttcaagtcca 118920  
tcctgagatc taaggatcaaa actgtcaact aatgcttggt tcaactgccac tggacaactc 118980

ctacccaaat tgaacaatat cctatgttca ggtcttctgc ttcctgggct agctgttaga 119040  
accatgagcc caggactcag tgacacatga ctgaatgatg aggccagagt ttgcccgagg 119100  
ttcaaaaaca gactacatac aggaaaacaa gagaaacgtg aaccaacaaa caaactctcg 119160  
gaatccaagg aggaaacaga aggtggctga atagaacaca agggagacaa acgcagggtg 119220  
acagtgtggg gagcagcgat ggaggaaaag gggcgtggtg tgcaatgagc atttattcca 119280  
taccaagctc cttgctagaa aatttcccct atgttagtaa ttgtatctac atagcattat 119340  
tttttccaa aaaatactga gtaagctctg tgtgcatgaa agcaaggtca acgtgtacgg 119400

ctgggcaggt tacatactga cgcacccctg aggagtgggt ctcaaagatg gggtccctag 119460  
acgagcaacg ctggcatcgc ctgggaactt gtcagatata cacattctct gacccagaa 119520  
tcagaatgct gggagtgagg ccagccatc tgaactgtaa caagccccc ataagattct 119580  
gatattctga tgaacactac tacagtgtga gcagggtgagt tagggaatgc cattcatact 119640  
gtgatcactg tccatttatt gatgaaaatc ttgtgacaaa agtaaagcat ttgcagaat 119700  
ctacccattt ctaattcaga caagggtcac atggactagc aaccatccta ggatggaaga 119760  
ggcatctcca ttccacagca gggcaaaaag gacaaaatct cagactctcc atctcttact 119820

ggagactctt taaattccca actttttatt ttatttattt atttatttat tttatttttt 119880  
ttaaatttat actttaagtt ttaggttaca tgtgcacatt gtgcagggtta gttacatatg 119940  
tatacatgtg ccatgctggt gcgctgcact ttaatctgcc accaggcaga tgtctggttc 120000

tgaacaggt gtgccacaa gttccctcgg tggcctcctg acccataaaa catcccatc 120060  
 ttctactgcc cattacattc ccctgttgag aaaaagcaca gaaggggagc catcattttc 120120  
 tgtttgcaca tttcagtggc tttgcggaca catatgggaa aaggggcatga aactgtaagt 120180  
 gatagaactt acactcatgg gtcttgaaaa tactgcactg catgaagcct cactttgaga 120240  
  
 gagagtcttt taactctgag gttgttttca agtaacaaac ttttaattaga aagtttaagt 120300  
 tattgcaaac ctaaagaatc ttagcttggt ccactttgct aatttagatt attttatatt 120360  
 taaataatca taactggact gtaatcacca tctacatata ttgacttgat tacgattgtt 120420  
 gacattaagt ggcattaaga tgaccttga aatgttactt tccctttcca ttagaggctt 120480  
 tgtgtaaggt tctaaaaatg aaaggctcat tagacacat taaaatagga tttattctat 120540  
 atgtgaacc aataattaag tagaatatta ctccctcccc taattagtta cttagagtgc 120600  
 tgagaagcat aagttcatat tcaaagcagt agtaacagca aacctttcct gatcgggttt 120660  
  
 ccataccatt gctgatgtca actaaacca aacagaaagg agtctatgat gccagacatg 120720  
 ctttttaaaa tatacatttg atttgaatta aggccttagtg tttgtgaccc tgggaggtag 120780  
 acactttcac aattccatca attaaacca attaatccca ttagtgatgg ctgatgttaa 120840  
 gacatgcagc aagaactgac tgacgaagta tatgccagtt cccatctcca catacaacc 120900  
 aaagagaaga aaggcatggg cgggaggatc agcaaatact tctaactctg cagatactgt 120960  
 caaagtgact tcacaataa gtccaagagt tcaagtccac ttgaatcaag cacgtacctt 121020  
 caaaagctgt aagtgaaga ttacttctgt gactcagaaa aggatggtca aagggccacc 121080  
  
 ttacacactt gaggagaggt gagaaatttg atgcatgaat tcagctggga tttagttctg 121140  
 gaagcttctt tctagagcag gcttcccagc ttacctagg agactcgta aaacacagac 121200  
 tctgcctcag cagggtctggg tgggacctga gatcctgcat ttctaacaat ctcccaggcg 121260  
 acacttctaa atggtgaatg tttggagctt atactttgag cagcaacatt ctagggatca 121320  
 ttaggtcacc ttaatcttga aaagatacag tttggtggga ttttaaaaag acgaaataaa 121380  
 ataaacaaaa gaactagaaa acaaaagaag aaaggaaaga actaaactgt ggtagtctca 121440  
 caccttaggt ggtgaaacag ttaaatctaa ttttaaaatt taggtgggaa gataatagga 121500  
  
 aaaaaaaaa gtagaagaaa ggtcagaaaa aaaggaccaa gaatcacaag aaagactgta 121560  
 gaagcacact ggggtcatct gattttgctt ctcttcgat ggacttcgca tttggacata 121620  
 cgggtcacct catgccactc tggtttctgt ttccagtga ttcttagact ggatgcattt 121680  
 acatgctcta gcaaatctta acatttacct cagttttag aaagtgtac ataagggaga 121740  
 aaaagaaaat cattcaaatg ttttaggct tttaaaaagt agttcatgaa tcgattatgt 121800  
 ggagtaatat ggaattcctt ctgctccttg tttgttggg actaataact ccacaatggg 121860

aacagagaac atgtctctat atattcttgc ttgcaattt tactcatgtt gcagtcaaat 121920  
  
 caccgccttg tccttaacag ggcaactgaac tcaggagtta ctgtgtttcc ttttggtttg 121980  
 ctaaaaggta atatctgatt ttataacatt tcaaaggttc taccagagt aataacagcc 122040  
 tcattggaaa attatttagg gttgtccctg gtttaattga gagtcctctt aacttcaggg 122100  
 aaatcagtgt aacccaaact gagtttccaa aggttccaag tatctaaata gatttgcact 122160  
 tgcatttccct acaacaatct tcaaagtttc cccgaccctg ggtttagctg gggcagtagg 122220  
 aggggagaaa aggctatgac actttgggtct caatgagtca atcactcact gagtgcgtgc 122280  
 cggatcatctg gcattctgaa gtggcctaca gtctctatct atccagatta tctggaacta 122340  
  
 ctaaaatctt tgiagaatta atatcagact ctttctgtca tgttttcccta aactataata 122400  
 aagagattca agttactgtg tttttcctta ttattctggt gtacaaaatc ggcctattaa 122460  
 ctagtcata aatacaactt cctggcttgt tgcgtgctt atttttgatg aagaaatctg 122520  
 tataaaacaa gggttactga aatggacagt acatacacgt ttcttattgg tttaaaggaa 122580  
 tatgttgctt tttaacattt gggatcatgag gaagcagctg attcttaaaa aggtccttga 122640  
 aatgaggtag caaatctcat gagagttcgg cttaaaaaat gaaaaatgaa aaaatcttct 122700  
 aagaagccac aagacaatgt agagagaaat atgttatctt tgtggcaaca tttgaacct 122760  
  
 attaaatctt tatggaaatt atcaagtgtc tggtttgtaa caatcgaaag gttctgggga 122820  
 caaatggaac ctcatcatgg gcattatctc ataactggga aaagaacatt cacagtgcac 122880  
 cattgatatt taagacatat cacatggccc ttctctagct attctataca tacaaggtat 122940  
 catatattat tcatgttata ccaatacaat gccagaagac tacaattgca agtgaataat 123000  
 tatttctgtg agtgggtaaa taatgaaaac tggttgcctg gaggttgtgt aaacacaaca 123060  
 gtaagtcttt gttgctgctg ttgtttatta gcaactgatt catgcaatct gtgaatacat 123120  
 atccataaga gcatgtatc ttcaggggtt gacagacagc aaaaaatgca tttgataaca 123180  
  
 cgccagtaga gcaaatatgt tttatggcta tgtaattagg tctgcataaa catacctgtc 123240  
 tcagtccatt ttctgttggg agaactgaat accacagact gggtaattta taaaaaatag 123300  
 acgtttatct aactcacagt tcagaagact gagaagtca agggcatggc agcagcattt 123360  
 gctgagggct ttcatactgt gtcgtatcat ggcagagaag ccaaaggga agttggcatg 123420  
 tgagaaaagg gggcagaaca caagaggtgg cctcacttta caacagcctg ctttgagac 123480  
 aactgatgca gtcccactag ggtgagaact cgctcactcc tgtgacaatt agcccaggcc 123540  
 cataggagca gcattaatgc ctcttaaaaa tctaaccact ttttaaggcc ccacctctca 123600

gcactgacac atggggggac caaactttca acatataaac tccaagcatc atactcgaac 123660  
catagcaaaa gctaaaagca accaaagtat ttgattttct gtgtacctgt gtttctgatt 123720  
accacatagc caactataat ccatatacat gtatctataa tatatgagca taatacttct 123780  
atgaaatata aagcgtacaa ataaaagcag tgctcagatg ttttactact ctatattaaa 123840  
gaaaagaatt atttcagact cttaagtaca agcagtatac caagcgacca attccctcct 123900  
ccatgaatgg accatgaaca tattgagttt cttgcacaat gagtacttca ttaggctctg 123960  
cagatgatgc aaaagtaact ttggttttca tcttaccttt cctgcattca taatgtgttc 124020

caggagatag acatacatgc agaataaatt tggaatctga ccctgcttgc tccaatacct 124080  
ccatattatt ttctatatat aaaaatgaga tggctactgg ggaggtgagg aaaccaagaa 124140  
ttcattcttt cgattttagg caatatTTTT gtattaaaat aaaaaagtca gaaacattct 124200  
ctatgacttt agtttctcca aatgatctgc ctcggaata tttttcaac tttcagaagt 124260  
cagataggga aagatgaagt aaaaggcaac taattaagca aaacaaaata aaaagtagaa 124320  
aaacaaaaaa aacagagaga aagagacact acaggtcaaa gaagggaagg gggaggaaga 124380  
aagtatgaga cctatgtctt agcacatatg ggatcaggcc tctccctct tacctgttcc 124440

cccacatttc ccacctgggc tccagccag ccaagctgca ttcctaatt aagcagcacg 124500  
ttgctttttg cctctcacct ttgcatatac tacttctgt gcctggtaac atcctactga 124560  
ccctttagct tggtgccatc tcctcttgga agccttctt taggcttctg ccaaggcaca 124620  
acagatcagt gcccacacat gccaccatg ctttgcctac tgccttgcta acacttgga 124680  
atatagtaat tggattgttt gtttcctac taggctgtga gctttataag aacaaggtag 124740  
tgagtcttat taatactttt gttgccagct ctaggtagag tgcttggcat atacttgga 124800  
agtattgtga gattatttgc taaataaatg ctaaggaaaa tggagaaaat gaactccttg 124860

taagaatgca tattgattgc ctagacttcc ttgtgtagta agctcattaa ggctttttaa 124920  
ttaggtaggg ttggttactg ctcatgatga catcaaatgg tcaacactgc aaaagctttt 124980  
ataaaatgca ttacaggtt ttagatgctg aattttcatg tcctatagaa ctactgtaaa 125040  
atgtatcttt aaatatttga atatttaacc atgtaggaaa aatactaata acaacatatg 125100  
gttgtatttt tgaagtgtg atgcatttac ttctttattg atattctgag aaattttag 125160  
caacaacttg tgaagtaagt gagctgtttt cctaccactc ccttttcaa atctgagcta 125220  
gatacacaga tctattggga acgtgttagt agcaataatt caaggcacat aaatgtgtgc 125280

cttctcatac ataaaggaaa agaaactgtt ttaaattgcc ctttaaaagc tgagctaata 125340  
tgctgtcaaa tatgccaggg aagagcctct catcagagtt tctcatgcaa agaaaaatga 125400  
tcttttcgac ctigccctga gttgcctga gtcgagtgtc accaaacagc aggtcaagca 125460

gtttccacg acgccagcc tctgtcggcc atcctacagc caaccctca cgacgccagc 125520  
cctctgtcgg ccatcctaca gccaacctct cagaatggga ggcagggact ccaatccagt 125580  
gtcccagggt ataactatgc ttggctacag ggtctgtgtt caacgcacat gggctgaagc 125640  
aaagccttgg ctctgtcttc cctgttggca atggacttgg ctgccagta attaatgtc 125700

tttgactgca aagatgagaa ttgccacttc ttgccttcag ttttattaag aattggcttg 125760  
cttggtttaa cagaactaag caatatattt atttactatg gtgtttccca aaacgattgc 125820  
tgaattctgt catctcttga ctgagaaact gtttgcgggt tgcaacagaa tgtatgctaa 125880  
catacataca gcaacacaaa cctccaagac aaactgttta agtcaatttg cttatcatat 125940  
aggcacatag gtgcaaatat gtgcatatgc atttgtgggt acagccatgg gcacacactt 126000  
taacacttgc acacatatcc cacacagatt ctgtaataaa tgttgtgtgt taagatctgt 126060  
gtgcaggggt gtagaagcaa gcatgaattt gccaagagag aaaaggaaat tcacacacga 126120

agagaataat ttaccataaa ttggcccaca ctgagtttat tccaaaaaac ggagtgcag 126180  
atgccaaatt ttaaatggct cttgtctattc cagatctggc cctgacaagc ttgggaagag 126240  
atgcaagtgg gcaggaaaga tgggattaaa aaattatata ttaagccttt tcactttcaa 126300  
atgtaaaatt tccaccactg cgacaagaca gggggaaaga gagggcaga gatattttcc 126360  
tgacactgtg cttttctcaa caaaaagcca tcgatttcca ttatgcactt cttaaatata 126420  
aatcctgtac ttcttgttaa aaatcatctg tgactggctg cctaaaaaag aaagagatat 126480  
gaaaataatg gaactcaaaa ccttgcatta gccctggcgg ccattacaaa ggggtgatct 126540

cagagtgatg ctttcactgc agctccatcg tcttaggatt gacaatcttt tgtgacaacc 126600  
cacactgggt catcaaaacc attcacttgc ttctaaaatg catcatctcc agtttctttt 126660  
ctttcaaggt ggaacttttc tgcatagctt tcccatcaca agcctagctg gcacacagca 126720  
gggactcaga aaacccttca ttctttccgc ttgctcttct ctttcttgt getgatttta 126780  
aactactcta tccatttct gaatgtctct ttggctgat gaggaaatct ctctcacatt 126840  
ttacccttc ttcttatatg ttactcatg gctaagaaac tgtcattaaa tccattaact 126900  
ctttcatcg atgacctttt gggctttaag acccacactc atagtattc aatcactgtc 126960

atgcctgcag tgtactttga tccctataat tcttatgaaa aataccttgg ctgagaattg 127020  
taacctcaat cccctgact gttctactta atacacctc caccctct ctctggaacc 127080  
tgactcaagt gatcccagga ataataagtc tatgaaaaat tctgcctaaa agtataaagt 127140  
ctagggtaga tgaactatt tcatcatctt agtttaaatt tgatgagaat atgggtctaa 127200  
ttatttagag tagttggcct ttgcatigaa tttaaactac tgttgtttat tatttccata 127260  
aaaagtaaaa gaatgagcaa aatgagttgt ttccatgata tgtttcttc tttattttat 127320

ctctttgtca tcttacagag ccaacaattt tggctggaaa gtatctagca catagtaaat 127380

tctcaataaa tgttacctat tatcatcaac atccatccac atgtattcaa attatctaatt 127440  
attatgggtc tcattttaca agtaaaggaa attgagacat agagaggta agtgacttgc 127500  
caaagtcaca cacaactagt aagtgaagag cctcaactag gatcatggcc ttttggctca 127560  
gttatttaac caagtattcc ctccgtgtaa ttccaaagga atgttatttt tcaagaggtc 127620  
aaggagataa gaaaaagaac atgtctcaga aggaatccag ttgctctctt tctttttttc 127680  
tcttacaag taaaacatat taataattta aattcacaaa gactgactat cctaaattat 127740  
actaatcatt ctcatcaaaa tctgagcaca gcgttaaacc attagcaatg actagaaagt 127800

actgtgagcc ttatgttctt ggcatgatct tcctttttta ctaactatac ttctcaaata 127860  
aaaacaaatg cggtatgcat ctgtgagcca ctgagaagcc tgggctgctg agaaaaaat 127920  
gcaaagtgat acctggcata aaagagtcaa catgacaatt ctagaagaac ctacaagatt 127980  
gcacattcag ccaacaacg aaatatctta cagcgagatc ccttttcatt ttatcaaata 128040  
taggatcctg aggattaata caaatttacc aacagtaaca aaacttggcc ctcccttaggt 128100  
gcgtacttag cttacctttt cttcaaagta actttactgg tgggaaaaag aaagatgttt 128160  
tcgaagtcc cataatctaa caggcgccta atacatatta ggtgctcaac aaattgtctt 128220

ttttggaaaa ataataaatc aatggaatat ttgcctaaat atttattgta gcactttcaa 128280  
gtctctttga ggcaaatgc ctcgagaaag agaaaaatag ttcattttgc tattttccgt 128340  
tgggtgatat aagaatccaa tctgcgtcat atcagaagac acatggctat ggattgttcc 128400  
gttgttaaac ttggcctaga cctctcctct gaatgccaag ccctactgcc tattcaacat 128460  
ctctacactg agggctcaca ggcatctcaa agtacctatt ccaacactta acaatgacct 128520  
tttccccag agccttcaat gctgctctc tattcaccca gcagcgcagc cccaaagcct 128580  
acaagtcatt ttgacattt ccctctccca catatccatc tctaattctc aagtctgcaa 128640

ctatctctca aacataaata cttctctcca tcaatatctg accttccta agctaagcca 128700  
ctatggcctc ccacctggtc tacttcagt atctcctaatt aggtctcccc catccactct 128760  
tgtctcacc caccatctag tgtcacactg cagctggagt cacttttgaa aactagaaat 128820  
ctaataatgt tctcttctg tgtagaattc ttcaaagatt tccactgggt ttcaaataa 128880  
agcccaaagc ctgccaatgg ctacacatc ttgcttgatg tggctcccgc ctacttctcc 128940  
agcctcatct tcacctctc tccccttccc ttgctccct cagctcagtt tctcaagggc 129000  
accatgcccc tcccacctc agggcatttg cacatgctat ttcctttgcc tggaaaaatg 129060

ttctcttctt atttgcctgg ttaaattctt tgcatatttc acagcttagt tgaatatatt 129120  
 ctttttcaga aaagcattct ctgtcccagt ggttatgttt agtctctcac atatatgccc 129180  
 ttatagcatc ctcatggaac gtgagtcgc taggacagga accagccttg tcccttttca 129240  
 tgatgcagca gcatgtgtag taagcaccca atgcagatgt gttgaataac ggacaagtga 129300  
 cttgttaaaa attaaaaatg aagttattca tattaatatg ctttcttctt ctcttctctt 129360  
 cctccctcg ctttcttctt ctttttgaat ctatgcttct agggcttaaa atccactcag 129420  
 aataaccata aattcatagg aacagtattt gttctaaca tggggaataa taaaagatga 129480  
  
 gacaaactta cagaacagac cctcaggtct ggagaccaa aaaatgtttg tgaagccctc 129540  
 tataatttct aagtcttaca tgaatgcat gttttctaga ttctaactgc acacacagaa 129600  
 atatctcaac tcattttgac aaagttatcc accagggaga tgaataaata gcttcactaa 129660  
 atacatatgg tgcaattaca cccagcaata agtgacaaca ggtcttgctt tatagtaatc 129720  
 taaaaattca aagcccaatt atttcagctg ctcatgtaaa aatactgaaa agacgtggta 129780  
 glaaagcaac ttaagaacat actgtattag taaacactaa tgatctcttt atgatccaca 129840  
 gagccacttc ttttcttctt gaagaaaaga aagctttttg taaattaaga aagaaaaaaa 129900  
  
 aaaaagcaag gcatccatga gctacagcca agaacaaaat gaaagcaggg agtgctcctt 129960  
 ttgatctttc aagagtagta tttagttaaa gaatgtatgc tggactacag aaaaacatga 130020  
 ccagaaacat gagcatttga gacctgaaaa atagaccact ggcagctggc cttttaaaaa 130080  
 atatatattt aagaaaaaat aaaaaataaa aaaagggacc gaccggctct ctttagctct 130140  
 aaacttcagg gtgaacggac actgatttta ataaaggggg tcagtttcag acttcttttt 130200  
 agaatgcaga agcactgcaa gtaattggta taattagcag tttagaaatg caaatcaaat 130260  
 tcaaacttga aatgactgag atggaaaagc aacctcaaca gggaaaagag gagagagaaa 130320  
  
 gagaggaata agcatgaaca cacacacaca cacacacaca cacacacaca cacacacaca 130380  
 cgcacgcaca caccactgg ctttcttggg tgatttgagg ttagctgaag acacagttaa 130440  
 gagagatctg ggatccggt gatcactggc acaatgactg aacttttaga caagcgtggg 130500  
 gagagagaga ggggaaacca gaaactgcct agccacaggt acccccaggc caagataatt 130560  
 tggagaatga caattcaca ggcagatctg gaaaaaaaaa tgcctattta cagcttctgt 130620  
 ttgcatactc ctagactttt tgggttttat ttttttcta atttgagcaa accatgtaag 130680  
 cttttgatat ctcaaaaata aatcataatg gccataaaaa tacttgttta gggggaaaaa 130740  
  
 ggttagttca ctgacacagg tttacttctt ggtcacctta ctactgggaa atcgtaatcc 130800  
 acctctctac tcttccgtt ctttgtggtt gatttgaacc agaagcccc ccagaggcac 130860  
 caccaccag gggatccctg gcactctctg atgtctgac cggccaggc tcacacaatt 130920

tgcaccttct ttgcacactg tatttttctt tcctaattct ttacctatct gacattaagt 130980  
 acaaatttca gtagccatct gcttaacagc ccaactcctgg gttctgcatc tattttgctc 131040  
 atctatttcc agagcctgtc acagtgcctg gaacttgcca ggtgctccat gcgtgaaaat 131100  
 taaaaattct gggattgatg aataataatg ggtcagatta tccaaatgtc aaattctcag 131160

taactgagaa tttatcaggt aatttttgta tggaaacaac acataatatc tgaaacaaga 131220  
 atataccaaa tggatcccta gcacagtgtc tcttgacctt taatctcctt gggagctcct 131280  
 tataaagcag actctgattt agcacatctg ggaatgggtc tggatgtac atttctaaaa 131340  
 aaaaactcca accgatgtcg atgcagctgg tcttcaggcc acacttcgtt tagcaaggctc 131400  
 ctgggggagc taactgataa tcccagccca gcttttcctt tatgcgagtc ttatttatgt 131460  
 ttaattttaa aaaatcatat tgtgattgct acctaggtaa gttcctgggt cagatattaa 131520  
 taaagatgta ttcttgggct ggtgaagagt caagtcacca cttcttggtt ttttctggga 131580

tttgagggat ctgcactaca tataattgtc gataaattct gcctctcact agaaaattta 131640  
 gccatattct tagtaccaca atgaaagatt cacttgcatc aagggaatca ggcaggggaa 131700  
 aaaaaatgaa cttggatttt ccatagggtt tttttttat gatagaatct tttgagaata 131760  
 tttgtctgtt tttgttggtt ttttgagaaa ttgttacata tgcagcactt aagtatttat 131820  
 aatatacaga aggtccctt tatctcttag gatttcttc catttatgtg atcaatattg 131880  
 tacagatcat tecttcaac agtttctaag ccaactgtga tagactaaaa tgggctgatg 131940  
 gatattgata ttttgatctt tacactgact tccacatctc ttaatatcca atgattccct 132000

tgtaaagtga gggtttgagt tgtttcttca aacaatgaca cagtaataata gatgttttct 132060  
 gcaggcaata tcigaatatt tctttgtaca aatggtttcg cctcatacca caatgcaaag 132120  
 agctggtaat gcatgtttta tgacttttca atggattaaa agtaagctgt tgaaaacata 132180  
 tttttgataa caattctttt gttagtactt gctgttggct ctctggagg aatattgcca 132240  
 atgataatta gatttgctct ctctctctct ctctctctct ctctctctct ctatatatat 132300  
 atatatatat atatatatct tctccatctc acatacacac agacacagtc acacacacaa 132360  
 acacatgcac acacatgcat ttgctgaaaa agtaaacatg tggctttatg tctgtagtag 132420

accaatcaac atatacaaat ccaaatttag aatcctaatt cacaatacca cgttttttct 132480  
 ctttttttct cccctcact tggagtaaat taaattcagc ctttggttga aggaaatgta 132540  
 aaatgtgttt cacacatata tttaacacta atctgttctc cctaccttaa ttatgctttg 132600  
 aatttctgtg ggaatcttata ttccagggtc tcaatttact tttataaata ttcattgatt 132660  
 tttccatct ctattaaagg tgctaaaaat tacctttctt tttgcatttg gagaaactga 132720  
 ggcaccaggg agaaatctat ggtttgtcac ttaacacac tgtagagctg caaatgtgac 132780

ctagaagctc ctcgataaag aggcaaccct cctgccaaag cttagaaata atggtacaat 132840

gttcactgga ggattaaatc agagccagtc tgctcacatt ctaggcacag ctacattctc 132900

tgtgttgtct tttccttagc acaaagtgc gtaacagaat agctgccccg tggttaaaga 132960

gaaatgatta cagaaaagaa cagttggaga aaacaaggca aaagtacttg gatttttagtc 133020

agtgggagtc catcacagta actaatgggc tgagaatgtt tctatTTTTT caccaagtaa 133080

tccatatgca aatttctac agtattcaat atgcacttcc aagctcagta aatgttttct 133140

attcttttct gcttagctct ctcagctttt tccaattagg ccctgtttat ttagaaaaaa 133200

agaaaatgtc taaaggaagg attaatgtct gtatcttatg gagaaagaat gaatattaga 133260

aattctttca ggatctagag gatgcattct ttaactcatcc tccccgctgg gatgggtaat 133320

gagaataaag taaaagagga tgaagctttt tacttcattt ggtttgttca gctgaaaaca 133380

tgcttttgac gatctggaat taaatccaaa atgcatgaca attcagacaa tgggtgcacat 133440

ggaataagcc ggtggataaa aataaataaa taaaagagag atgcgaaagc tcaaaaggcc 133500

ccacctggtg cgcagaagtt ctgcaaaagc aagggaattc acgacgtaga ggggacaagg 133560

ggacaggctg gggagagaga gcataggctg gagttagtgg ctgtgccaaa tgaagacgac 133620

ctggggaaca gagccgtaaa tcagagagac gttgcaaatg catggcctcc cagggtagta 133680

atcagggag atggccccga tgagtcaggc ctctctatct ttagtcattg cacccatgaa 133740

gacacgtggt gtctgccta tctctgttaa gtttcacatt gaaagctgaa ggtcaatttg 133800

tgcttaaga aaaaagtcag acagtttctc aactcagctt cagatctttt ctatctgttt 133860

atttatgaa aaagagaaag agaaataaaa aatgcctgaa cttgagttcc atggcagaca 133920

ggatggaggt gtcatgtgac ctgagaagga atttctgccc ctgaggatgg cctgcttcaa 133980

gaggctgttg tgacaccaca agagatatta tatatggtat ttacaaaact taaaaacatc 134040

ataccaatga aaaaggggtc atgagcagta gttatggttg gcgttggtt aaagaacagg 134100

aaatagccaa gatgcttcca ggatcttgga acagattctt accaaatagg gttgtaaaga 134160

actaagcatg aaaagtagca aaatgtcaga ttaattttct ctcctgcat ttagggattc 134220

aaaagccata gagaataata atcgataaat tatagttaag gatagactgt tcacctagt 134280

actgaataat acacaaagct cttcagaaat tttcatgata agtttacttg cctaagagac 134340

cataaagagg aaaaatctgg gagaagaaa agtcaatata atcagcaatg agaagtctcc 134400

ctttaatgac agctatgggg aacctgaatg aagtagtata tacgtacaag tgattggcta 134460

ggaccatacc atagactgct cccataagta tttctacca caattgacct tctccagatt 134520

cagcaaaaaa aaaaaaaaaa aaaagaaaga aaaaaagaaa agaattcttc atccgtggtc 134580  
aaactacctg cttacattgt ccatgaaaaa aactcttctg gttacattac ctaatggcca 134640  
tttataagct gacttccatt ctttagtgta ccagttgaaa gaaaaaaaaa atcacctcca 134700  
acagcttttt atattttaag ttccaagaca cagcaatgct ctcaaatttc agttttctca 134760  
gtctcaagct tagagaaaaa taagctaggg gaacaaaagc ctgccaaaaa cccaggtgg 134820  
ctattaaaat gttacaacca accgcatga gtttgagact atagatggta tccaaattaa 134880  
cagaaatgct ctggacagaa gccttcagat caccatggaa caggctttga tgccctttgt 134940

ctaattctgt ggagacccaa tcttcaagca gaatatTTTT ggcccatcaa ataaaggcct 135000  
ttcccaggaa gccaaagggc ttggagacat cactctgatt ctgagcccat tcttaagtaa 135060  
ctcaacacac tggatctaac ccctagcttt agagtacacc aaaagacgtt gcatggaggg 135120  
TTTTTTTgtt ttgtttTgtt ttgtttTgtt tctgttttg atctcacaga ccagttgtat 135180  
TTTTTctc ctttcattac cgaagtaact ccttccatgt gccaaatttg aataatctc 135240  
aaacagtaat ttcattacag aaacaatctt agttgaccag gctgtaatga ctttggatgt 135300  
ttcatcttta tctggctttt ttcttttgca gcttactga catgatgaga gctccccaaa 135360

aagggcaggc ttctgcctca actctcaggc acatcaataa caagaacaat ctacacttac 135420  
agtcacaagc tgattgagcc cccatatctt ccttggaata tcgtctaaga gctccatcct 135480  
tgagaacttg ccttgaact cgcagcatgg catcagcagt tggaactaag acctgaaaaa 135540  
tctttactag gcctctaagc cactgcctc ccacagtga gcggaatggg aagaaaatct 135600  
caaagtggct ccctatctac agtctatatc tgttctttct ttgaagggtg gccctagggg 135660  
tctcaaatgg aaaagcagga taaaataatc atcaagcagt gggtgtggag ccctttcccg 135720  
agagtgtttt acgtgccta cgcattaaac ctgttcttgt tgatgcagta atcaatgtat 135780

ttggattgaa taacacttcc ccagtttggc tgcctagccg attaatgtct ttgctttcac 135840  
ctttataatt ggcacattta aaagaagatt ttaaaagttg ctattgatgt ggcagtgagg 135900  
agaaggcact gagcctgcgt gtgcaggagg aacaaagact caaactacag ggagttgcaa 135960  
gatgaaccac gagatgggat ttgcatattg cagacttgct aaccaaggga cttatcaagc 136020  
agccctaagg atataccacc agggcagtag tgacatagaa aattagatcc tcagcccaga 136080  
ggcaacacta gagaacagtg attttaata gaagtcacat ttaaacctt gttattagc 136140  
acatacatat cgcagtactc tggaaaacag acaaagaaat gttagcacca acagacttct 136200

tggtagggtt tctttcattg tcattcccag tccatctcag atgcacaaag gaaagggtc 136260  
tttcattgtt ttcttttgt ctgaaaaatt aagcatttat atcatctgct cagattcaca 136320  
caaagacaaa caccgtagat attgcaaggc tgtgcaaat gctctgcctg aaatgccat 136380

gttgcaaatc agggagcttc gtgggactgg caaccaagac cccaaacaaa gagattatca 136440  
 tggttaatga atcacatctt cagttaggga attccgtggc agcaaatgt cacactccta 136500  
 aagttcttta tgaagagcta actggtaatg gaaagctgtg gctccttcgg taatcctaac 136560  
 ccatgactga ctttccacca gaatgtttca acattgcctt ccactctctc agttccctgg 136620

aaatgtatth tggaggtaaa tgtctgccat acacaactac caagccctta gtgaacaact 136680  
 gcacaattca gaggtttcat gaatcttcat gagcttttcc tcccacatgt ataataacaa 136740  
 taaggctttt tgaagatgag aggaagaaaa aaatgcacca tttttattga gcgtctagta 136800  
 tgcattgtct atgcatggg ccagacgctt acataaaagt ttcctacatc gattcttttt 136860  
 tcaaaaaaag tcatgaatca ttagagtatt tttactaata aagaggtaag actcaaagaa 136920  
 gtttagcaat aatgccaca agtaatgcta gttggggttg gagtcagact gatgtaccta 136980  
 caaatctccg cattctcccc actctattct gctattccaa cagtcttaaa aggcttccat 137040

tcttaagtgc agggctcctgt cttatacttc atttaataaa cacgtgttgg gcttctactc 137100  
 tgggctggac gctgtgtagg atctcagcac accaagatga ttgggataga gtcctcgctc 137160  
 tcaggaaact cgcccagtat ttggccagat ggccatgtaa acaaacaaat gcaatagaat 137220  
 gagatataat aaaagatata agtaagaca gagactgtaa atctgggata ctatacaggt 137280  
 ggggtgtcaaa gtataaatag gagttcaacg tgcagagtgg ctgcttaggg aaacagaaat 137340  
 aatactggct aaagcccaga ggtggaaaaa cagacaacgt gctgtcggag gaagccataa 137400  
 gagaatagca agaacttctt gctgggttaac tatgaggtga gaagtctgga ttaatcttca 137460

gtaaagacta taggaaagcc ttgggctcta tgccttactt gccatattgc tttgttttca 137520  
 gtaggcactc tatgaatatg ggcttttgct gtggtctgaa tgtttgtatc cctgcaaat 137580  
 gcttatgttg aaacccacc ctctaagggt atggtatcag gaagtgggtc ctttgggagg 137640  
 ccacgagggc attctgcaag gattaatggg cagagccctc ttgaatggga ttaatgcca 137700  
 tatagaaaga gactccagaa agctagctag ctcttccac cacgtgagga cacacggagt 137760  
 ggggtgtgtc catcagccag gaagtaggct ctaccagac actgcatttg ctggcacctt 137820  
 gatattcgat ttcccagcct ccaaaactgt aagaaatata tttctgttgt ttataagccc 137880

cctagtctgt gatatttttg gtatagcagc ctgagaggac taaggcagct ttaaatgac 137940  
 aatcagaaaa tgtaattcct ctgactagaa tgcctcactg gcttctaca gtacccaaaa 138000  
 gaaactccaa attcctcttt gcagttgccc agcaaggccc atgtgatcca atctctgcca 138060  
 catctgtgac aaaatccctt cctctatcct cacaagccct gcagctactc ttcctaaaac 138120  
 gcataaagcc ctcccacct cagggccttt cacatgcat tccctgcccc aacacttcac 138180  
 ctctgactct tctcaggaac atttcttccc ctagagtctc aactttatta tcgtccctc 138240

ccaaatagag tatagtgact gtatttggag acagggtctt tccagaggta accaaattaa 138300

aatgaggta ttaggggtga tcctaataca atatgtgtgg tccctttata gaaagaggaa 138360

atttgggccg ggagccttgg ctcaagcctg taatcccagc actttgggag gccgaggcag 138420

gcggaccacc tgaggtcagg agttcaagac cagcctggcc aacatggtga aacctcatct 138480

ctactgaaaa tacaaaaatt agccaggcat ggtggtgtgc acctgtaac tcagttgcag 138540

aagaattgct tgaaccgagg aggcggagggt tgcagtgagc cgagatggag ccactgcact 138600

ctagcctggg caacagagca agactccatc taaaacaaag aaagaggaaa ttgtaacaca 138660

gagacacaca cagagggaag atgacgtgaa attacaggga gaacactgtg taaatatgaa 138720

gatggccatc tataagctaa agagagaaga gcctggggag cagatcctct tctcacagcc 138780

ctcagaagga tcccaccctg ctgacttcca atctccagaa ctgtgagaca ataaatttct 138840

gttacttaag gcacccagtt tgtggtactt tgttatggca gccctagcaa actaattcat 138900

ctgccacatt ttctatgtat ttctctaca gcatttgcca ccatctggaa ttgtctggtt 138960

tatttattac ttgtctctta ctatacctat ccattagaat gcagtcctca tgcaggcagg 139020

ggtcttctct tgccttcttc atcattcttt gacactcagg atgaccttgg cacatagtg 139080

gtccacagta tgttgaataa attaataaaa agatttgttt ttggtggacc gataattggt 139140

aattatttat ttttcatgta ctcatatgaa cctacactta gtcacagggc ctaccaaccc 139200

tgggcagatg agagaaaact agcacgtggt gaatcaacag aattcaccag tagtgaggta 139260

agcactaccc actggtgcct taaaaaatt ttgctctttg cccaagtttt tcatatgaac 139320

atagtttgaa agatccagtt gtttctttca atgtcctgat gtttcgcaa accaaattca 139380

attgattgaa atatagcctg ctgatgcttt tgaaggcta aagaagtgga tggcaacctt 139440

ccaccccttt gctgaatggt gtaattggcc tgccataaag aattggggaa ttttaacaca 139500

ttccccattt ggctgagctc accaattatt ccccggttgc tatcagagcc acagactttt 139560

cttctttggg gtcattaagc ttgtcaaac taatttgtca ccacaactgc tgaacctcat 139620

tgctctgaca gcagcacaag gatcacccta aataggccct tgcattataa gaaagtaaat 139680

ggctcatgag aacccgctgt gctcttgctg ttgccttaga atggtcttct gacccagaa 139740

gatgtggaaa caglatccca taagtaacac aggtcacaaa acctgtact aatcattttg 139800

gtgttattaa aaataaaca acaagtagaa tgaataaatg cttggaatac aggccttgaat 139860

ctgatatgtg accaaaatat actattctcc agctttgaca aaattcaaat atattacatg 139920

ttctctccat gcaacctct catggaagtc aggtggaatt aaacatgtca taaatcatgg 139980

gtctctagta agccagtcag aataacattc gttgaaagtt tcttgattgt aaatgcaaaa 140040  
ctattccaaa atcaagggtg ccaacattca ataggaagaa ggaaacttgc tgtgaggaaa 140100  
tagcatcccc ttttgaaaca gtactttgtg ggctctccca tattgagaat agttacacac 140160  
catttgctag agttggcagg tttagttagt ctacacacaa gtctctgcac aattagacaa 140220  
aggtaagaac atatctatta atttcaaaaa gttgagggga tcttcgctga ctaccaatca 140280  
agcatcatga gaagttgcat taactctttt caggctaaag ggtaccactt aatacaaaaa 140340  
ccaatgaaac cticaagaaa attagttaig atcacaaagt atcttgacat aaacatggaa 140400

tatgaaagta gcattactgg cccggcatgg tggtcacac ctgtgacct agcactttgg 140460  
gaggccgagg caggcggatt gcttgggtc aggagtttga aaacaccctg ggcaaaatag 140520  
tgagatcctg tctctacaaa aaataataat aataaaattt aaaaaattag tcaagtgtgg 140580  
tggtgcacac ctgtagtctt agctacctgg gaggtgagg taggaggatg gcttgagccc 140640  
aggagtttgg gggtgccgtg agccatgctg gtgtcactgc acttcatctt gggaacaga 140700  
gtgaggcctt gtttcaaaaa aaaaggagaa gaaagaagaa aatagcagta tcaaagaact 140760  
tttgttcttt tcttctaaa aagatgcaac cctaaataga actgagttta gaataattgg 140820

ctgcaactaa gttttcttgg tggtagtata gattagacac aatgacactt tctttaata 140880  
ataaagagag gctagaaata cctggtgcc acactcatgc ctactagt tcttccccag 140940  
caatcttaat tttctctttt taaaggggt accagttccc taatgaaat taacactgta 141000  
agtgtacatc tggcaaaagg attaatctc ttgacaaaa gccaaagtcgt tggttgttta 141060  
cttatattta ttcaacaaa tctgtaggct catagtgtg cactgatgac atgcctttga 141120  
gcagtttttt gtttgctttt tgtttgagaa gagattacag gatgggttga ggagagttaa 141180  
tagggagaaa caagagaaag gggggaatgt gaagtcacaga atttcatggg agtcacagat 141240

tcagctgagt gctaattgat tcatattgtc ttcactctag caaaagggat ccccccccc 141300  
gaaaccctgc actttcagga ggagtaagct aaaaacttgg caaatggcat agtaacgaag 141360  
tcctgaattg gcagccaaga tctggatgtg aattttaagt tgttttctcc ccaaatgtcc 141420  
aacaagatct gctgtgattt aagggggggg gggggagaga gatttattga ggtataaaaa 141480  
gccacatttc agagttgcc gctgctaatca ataactggaa tttgacaaa gaccatgtta 141540  
ggctcaaaaa cgaaggagac acacatataa aggcaagtat aattacatgg tataaataag 141600  
ggagagggtg ccaaagactg catgttgcca agtgcctcaa atattcatgt tctttgaaag 141660

acttattttt gtgtctacgg aggatgaata aacctcactt aaaaaataag actcttccca 141720  
aacctttgct catttctgga actgaacctt ttgcagggt ctgaaatgtt taactttgtt 141780  
tttcattaat tcgacatgtt cacacatccc ctgcacttct ggagctctga acaaaactgg 141840

cagtgcagagt atgctggaat attgaagtga cgactgctcc cccagtatca ctggccctgc 141900  
 tggagatgtg ccgcttgctc tcataagaca ttagggcaaa ctctgcatcc ttccgaagtc 141960  
 tgagttatca caggaaactg aaaacttttg gtgcttgccc aagtggcttc ccattctcca 142020  
 actgttagtg actcagccag agtaaaagtc agctctgtgc acggggacca tcctctaattg 142080

cagagaccaa ataagaggaa aattaagtgc tgaatgatag aagtttctc ttgactctc 142140  
 aaagcaggga ggtcatttaa aagttaactt ctgctttgtt cttcagcttt agaaatgcag 142200  
 glaaagcaca gattgggttc attgccaatc cagattgata atcttatcgt gaggctgaag 142260  
 tggcgtcagg cctcaccgag acaccaagga tgatgggtcc tggtagacaa actgtaaata 142320  
 agcccttcgg agacagtgtc ggcaagggcc ttccacatca cttgagtcag ttatcatgtt 142380  
 catttctgaa tctgattgcc atgaaactac agtgaaccag aactatatt ccaccgtta 142440  
 aactggacac tttttccaat ctgtgatgtg gcacgcactg cttcatgtc ccatgcatgt 142500

tctgagtaaa caactgcgtc cccgcacact aactggtaga agttcctggt agctagaggt 142560  
 attttccaaa cagacaccga gagagtgtg ggctgcaaag tatcattgct ggcccaagcc 142620  
 attagcttca gggagaggat gtattatgtt taccacagat tgatgggact aatttacaga 142680  
 atcatcataa atgctatgta tctctcagc ctctcacata gccttttgta gacagaaaga 142740  
 taaatctgaa gctcggagca agctcattta attttcgct gacagctagt aataacagaa 142800  
 gcatcttata aaagttaagt ttcaatgaaa aaaatctatt actgggcgta caaaacacac 142860  
 ttgcattaat tacattctct ttgcactgta ttttaaaaaa ggtcaagacg ttacccccc 142920

aaaaaggaac aaatgaagag aattctacct atctgaaatt ttcttttcta attttccagg 142980  
 aattcaatca cacactctgt cctttaatta gttactacat ttaattaaat ctgatgttct 143040  
 gaagatgact agccagaaat atgatcagac atataacaag gatcaattat tctccagcag 143100  
 atgatatttc tatatttcta aatttgcttg tctctagaac ataccttgcc tgtcatgtc 143160  
 gaatactgga aaagagtaag acacagggac agaatttttt catattttgt cttcaaaatt 143220  
 ggtatcaggt gaaatgattt ataatagcaa aagccaatac cttttatttt cagtgtttct 143280  
 gggcagtagt aggacatgag tgtgaggtaa tgctttttta ggaaattatg gtgctcaaaa 143340

attgtaaata gtgaaggta tcttaaagag aaaagaaatg ttcttgaact aagaaaaatct 143400  
 ccagcaggac atggagctaa ggggtattgtt gcctgtttga agtcagatac aaataactct 143460  
 attctaaact tagttccgtt aactaccaat tgtgtgatct tggacataaa aaaaatagca 143520  
 atatgaata aaatactctg agggccacag ttccacaact gtcatgcttg aaaatgaaaa 143580  
 taagaaatct ctctaaggt ttctatggtg cttaaatgca cacaggaggc tgtcaaaaa 143640  
 taggagtttc cttacccta cttcttttct atttctttct tttcttttct ttttttttt 143700

tttttttga gacagagtct cgctcagtcg ccaggctgga gtgcagtggc gtgatctcgg 143760  
  
 ctcaactgcaa cctttgcctc ccaggttcaa gcgattctcc tgcctcagcc tcccgaatag 143820  
 ctgggactac aggcgcgagc caccactcct ggctaatttt tgtactttta gtagagaggg 143880  
 ggtttcacta tgtagtcag gctagtctgg aactcttgac ctgaggtgat ctgcccgcct 143940  
 cagcctccca aagcgtctggg attacaggcg tgagccacca cgcccaacgc ctctttccta 144000  
 attctatcac tctaattcac tggttcataa ctttgagtca aatcctatgt ctttatcatc 144060  
 aacagtctaa agaaaagttg taaaagattt gtaggaaggt ttaaaccttc taacctcctg 144120  
 acgaaacatg tgcatgggga aggccagtgc agcagaagga gtggaaggcg ctgcttccaa 144180  
  
 accccgctat gticctagta tttgcagcag gcagtgatct ctcatcagc aaagacaagc 144240  
 tgcagatgta ccaggtgatg acccagagct acttactggc caccaactcc tcctctctca 144300  
 ctctgtgctg cttattttaga ccccaggaaa cgaagagaaa tggagaaaac aaaaggtaac 144360  
 agatacacta caacctcaca taactataac cactgtgtag gcacatgtca ttgtttgtta 144420  
 aaacctcgtt cttcactgtg tggctctcaa accagcttca gcatcagtgt cacctgaagc 144480  
 ttagcagaat ttcagaattc cagatgcaat tcctaataa tgataatttt catittcaaca 144540  
 gaaaactcag gttaaaaatg tgaaattgtg gtcttttggt cattcttaaa ctttaactca 144600  
  
 gagtataagc tctaagaggg aagatatctt caccttattg gaaactgata tgttcctaata 144660  
 gactaaaaca catgcctggc acatactgaa tgctcactat ataactgttg aatgaatgac 144720  
 tgaatgggat tgatgaaatc tatgactgtt gcaacaaaat cctggcttcc ttggatgcca 144780  
 ttatgggaca tgactattgt aatcagcagg agcaaaaaag tgtattctat taaatgcagg 144840  
 aaatatattat tgagcaaatt ccaagaattt tgacactgta ataatacaaa caggtgttga 144900  
 taggctaaat ttgacttcaa tgatgcaaag cctttttttt ttcagataat gctaattgat 144960  
 gatataaaaa aagatgtcac atgaactgct ttaaaatttt acctctttag gccaggcgcg 145020  
  
 gtgactcaca cctgtaatcc cagcactttg ggaggctgag gcaggccaat cacctgaggt 145080  
 caggagtcaa gaccagcctg gccaacatgg tgaaacctg tctctactaa aactacaaaa 145140  
 ttagccaggc atggtggcgc acgcctgcaa tcccagctac tcaggaggct gaggcaggag 145200  
 aatcacttag aaccggggag gtggtgtgag ctgagatcgc gccactgcac tccagcctgg 145260  
 gtgacagaca aaaaaaaaaa aaaaaacaaa aaaccttaaa aacaactttt ttaaggtata 145320  
 aattacacac cacaaaaatcc acccaatata aaagtgaat tcaatgattt tttagtaaat 145380  
 taactgaggt ctgcaactct caccacaatc cagttttaga acattctcat caccctcagt 145440

agattcctca tatccattta cagttaatcc ttattcctac cctcaactcc agacaatttc 145500  
 tttctgcaaa aaaaaaaaaa aaaaaaaaaac aaaaaaacat tttgaggatt tctcaatcag 145560  
 gtacatgatt gatactgtac atgcaattct tcttggacat ttagtaaaga agtccagtaa 145620  
 ggatctctat ctgccataca cctggccaat tcattttcag ttactgtgta cctgaaaatc 145680  
 attttgaaat caatttttct ttaaaaattc tctatcctgc tgggcgtggt ggcccatgcc 145740  
 tgtaatccca gcactttggg agaccgaggc gggcagatca cctaagatca ggagttcaag 145800  
 accagcctga ctaacatggt gaaaccctgt ctctactaaa aatagaaaat tagccaggcg 145860  
  
 tggttgcacg tgcctgtagt cccagctact caggaggcta aggcaggaga atcacttgaa 145920  
 cccaggaggc agaggttgta gtgagccaag atcgggccat tgcactccag cctgggcaat 145980  
 agagcgagac tccaccacaa aaaaaagaaa aagaaagaaa agaaaagaaa gatattagta 146040  
 tatgaggata agtataccag catatttact gcttaatgtg ttacaggggc agcaacacag 146100  
 gacacatgcc tgaatcctcg gttataatac atcaatacta cagactgtga tgcagctatc 146160  
 aagaagaatg tgttacagtt acatgaagtg acctggagag atatccatat tatgatgcta 146220  
 agagacaagt gcaatgtcat gagaaagatg gataatatga tccattttc tgtaaggaaa 146280  
  
 atcatatatg tglatatatt tgtatgcttc cacaaccgta aagaatgtgc agaaggacag 146340  
 gcaccaagct cttcacactt attattttaa gggggagagt gatggaggct caggaggatga 146400  
 ggaaaatact ttgtgcatg ttgtgagcaa ataatgcttt gttgtttgaa aataagacct 146460  
 cataaatcat atcttcaaaa actggaatta cattttccat taactcaggt taactttctc 146520  
 atcccttctt tttcgccata aatctaaatt catacaatct gtccgaaggt gtgggctaaa 146580  
 atacgatgtg gattcttgag atctctgggt tataatttta gagttttcaa aattggattt 146640  
 caaatctatt gtcactagtc taaggggggtg aagaccttgg cagcatgatt ttatcatgta 146700  
  
 gcaggagcag aatgatcgtc agcaggaagc ctcaccttta atggctttca aagttcttct 146760  
 aactgaatgg gacagtggag atacggtaaa tgcttagatt cccagtgtg atgataggga 146820  
 gcttaacagc acttgtctca atactcatgg tagcctaatt aaataataca gaaagcatat 146880  
 cagttaagca acaaacaaaa tttttttaaa ggaggtagca ttttcagtat caccaaatga 146940  
 aatgctgact atatgcatat gaaaaataca tatacgtgtg ataaccgtc tatacaaaat 147000  
 gcttaacagt gatataattaa ggaaaaatgt ttgattaaat tatacaaatt atataagaaa 147060  
 gctaagggtat tgiattttta tgtttccat aggtaagggt tttttcacct ttataatgtt 147120  
  
 attcttgcca atttcatcat ttttaacagt aaatctttta atttaaagta ttatatccag 147180  
 gaaactacat aaatgatagt acaattcagt taattgttat aaattgaaga actcatgtaa 147240  
 ccacataga tcaagtaata gtacatttca ttattactcc taaaagaaat tcaatcttta 147300

attctggaaa agaaagtctg aattaccaa tacatttggg acatttaggg agttacttca 147360  
 tccactgggg ttagactgg actgtctggg taaagatcta actataagt agtgagcaaa 147420  
 tttaaatatg actccacaga gtctaggac aagacaccct ttgcaaaagt gtgttaggct 147480  
 ccatcaaaac ggcttggctt ttttccatt gtgtcacaga agcaattgtc aggaccaatg 147540

acttgtccgt gtttgagtca cagaactaaa gccaaagcct tgactcacct ctaggttcat 147600  
 ttttccctt gtctgcttg tcaccaaggt gtagtgtgat gaaatgcata tgacctggca 147660  
 aactgaacaa tgagcctcac tggtcgaaga aggtaaaaca gacgattaat ttgtcagcac 147720  
 aaagtgaaga ttcagaaggc tgaaatatca atctcctttt cagtctatta ttttttctt 147780  
 gaataaaagg ttgcttataa ttcacattag gtagaaatg cagaagttca aaagcgagca 147840  
 aaccttgtgc tatacgttcc ctacacctca caggaaatat ctcaaagaa gaagaggctc 147900  
 gcggaaggga tttactaagg cccaatgttt cactcaaag tagaccttct tttggtcttg 147960

cacatatcag atacatagcc acttgggtgac ttgatcagaa ctgatacgaa gtaatcaaga 148020  
 tcaatttcat gaaagcagag atctcaggaa tatggacat gaagtattg ttgtttatag 148080  
 taatcagcac cttcagctgg gctcaagatt ccaaaagccc aggatagctc ttgtattctt 148140  
 ctggagatct tcttttccca accaaataca gccactgtga agaactcagc ttgctgtgta 148200  
 tgaagctacc aaaataactt ggggtcccttg tttctgagtt ccatgaccaa gcttgtcaga 148260  
 agccccagat gggtgcttcc agtcactcct aatgacagga aagctaggca atccagcacc 148320  
 tctgtccaga aactgagcaa aattcaaaaa gtggcatttt cacagtatac tttcaggga 148380

ggaagctagg tgaggggctt tagatcaatt ctgttatttc ctgtttcagg ggcaaatctt 148440  
 gcaacttggg ggacaaatgc tacctatgat aaaatatatt atttagaatt gtacagtcac 148500  
 ttcattgtcc aagttagtaa cggttactgc attcacacac aaccaggaag tcagtaattt 148560  
 agtgtagct ttcgtctctg cctaaatgca aaagtctggc acataagata atttgaaaac 148620  
 aattattaag ggtgggtttc agagctggta cacacatata accagcaat atctggcaca 148680  
 gatccttcta ctttagctca gagatttctt aaagaggaca gtaacaaga ccctctctgt 148740  
 ttcactgatg ctagtaaagg gattaaaata gtcataaaca agatttttta atgggtggaa 148800

aactcaaaag caatgtaata ttacagtcct tatattatga gaagatgaat cgtgttgatt 148860  
 atttttgac agaagactct tgataattca tggaacagga agtccaaat gtaatttctt 148920  
 tcctagacaa tcigggcaaa caaatgcatt attttagaa gaaattttta ttttgcaac 148980  
 ctaaaagttt gccatagaca tcttctttaa aaatacagaa ataagagact accagtgtta 149040  
 ccttgccct gaacaaggcc caggatgctg ctaatgcaca ggacagccct cataacaaag 149100  
 aactatctgg ctgaaaatat tagtaatgta gaggttgaga agccctatcc tatagcatgg 149160

agttgcagga ttattcagca gagcagaaac tgagattaag ttgatcatat acacaaacct 149220

ctcactcagc acagttcaat ttcttctaaa ctttgagaaa caatttacca agtaaatatc 149280

ctagtgtgaa gctggcaatt gaagagagaa ggatgagaag atgagtattc ccaaagttaa 149340

acaatgagtt caaagcaggt tcagaggcac aacattggct gtatttgccc tgctatatga 149400

ctttagtatt ctgaggggaa ataaaaaaag gatggggaag aagaaatgga aggaaaagag 149460

ggagaaaggg atggaatgga gaaagggagg gagggacgga gagaaggaag gaagggagga 149520

tcgatcaaag gaaagaagga aggatcgaag gaaggaagga aggattaatt gaaggaagga 149580

aggaaggata gatcgaagga aggaaggaag gatcgaagga aggaaggaag gaagggagcc 149640

ttatgctttc catcaccatc aaagaatgga gcaatggcaa gatagccatg tcaccacccc 149700

ctctcaaagt ggagaacatt tggagctcat tttagacctc ctgtccacat gaagacacta 149760

cacactttct gcctatgtca catcagaagg agcttgaggc tgaattctat tttatgcttt 149820

aatgggtgtca ctggcacaaa gcagccctta ctcggttgag ggaaaagtaa cccagcctta 149880

aaagaaaaag tcattatctg atccctatgc agtcacccct tatacctaaa aatggtatct 149940

ttcagaaatg agaaaattct aaataagcca ttgggggaaa ctaataacag gtttgtgaga 150000

agaagagaga aagggaatg aaaagggatc tattgcacaa caaagacaca gacacaactg 150060

acatgcaagg gctctgttgg cacatgactg ccaggatgca aagctgggtc taagcacaac 150120

aaactaaccc acggtacaca cagtagcatg acaggcctat ggttatctga ttggcacacc 150180

glaactgtct tatttcgtgc atttacactt aagcctctaa taatagttct ttgaaaagca 150240

ctgtcttgta ttttaactgat gattggctcc agcaattaaa tcctaccaca ctttagaatg 150300

ctggactatt ctgtctcttc ccagagttagg aaagaaagga gttgactcac atcttaccca 150360

tctcactcca ggtcagcaat ggcactggag gcagtgtctg ggatactgag gatattgctg 150420

ttttgagtgg catgtgtttg ctctggagaa aacagtgagt aacaggaaag atcccgtat 150480

ttgtggtcca agaaggggct tttgttcaga aaggtgtttt gggacactta ctgctcacgt 150540

aacacactag cgtgttagca ttctgtatct ctactagttt tcattgtctag atcagaatgc 150600

catataaagg tatactttcc tatggaagag taaatgtcta tgtgttttac aaaaaacttc 150660

tgctttggta agtactgctt gatttgggga agatgaaact agatataggt cctcttatcc 150720

cctccagtaa ggcttaagat ggttcttctc tttttaggat gaaatctgtg catatgacaa 150780

atcatcccag ttctttatct ctctacctaa tgtaacttca aacgtccctc attctatact 150840

ctgattattg gttatctctg gatcctataa atgggagagg agagtatggt cactgctcag 150900

ttttgagggg catgttagcc tgcaaaggcc ctgtgttaca gataatgggg tcctcatggg 150960  
 gagcttccca aaggaagcat gagcttctct tttagtattt gggcttgcca gcttccatat 151020  
 ttctggtttc ttgactgtag tttcaaaaag ggtttttttt gtttgtttgt ttgctttctg 151080  
 atagattatc ataggggttac atttcacata agccatcttt aggcactttt ctcttgttaa 151140  
 aatactatga aatgtggtag gcacaaaagc tttaggactt gaggttatag tactatgtga 151200  
 aaactctttc tatctgtgtg tttagtttat atatttactt tcctgggtatt agtaagttaa 151260  
 tatgttttaa tttattcttc aagtgttttt aaaaaatgat ttaagagaga ctctgcttat 151320  
  
 agaaaagcat atgttgatct ttgcattgta atacttcttc ccaaaacacg ttagaatgag 151380  
 tcacggtagt tctagtgaat ctctcttctg acgctgattg caagagttaa gcaaactgca 151440  
 aagtttgagg gcaaattcct ccacatttct gacaccacct gtaagtctat ggtgggtggg 151500  
 ggttcctcaa aacaccttca ggtgcaataa ttcatgagaa ggaccacag aactcactga 151560  
 agctatcata ttcatagtta tggtttatta cagagaaaaa atacatatta agatcaacaa 151620  
 aggaagaga tgcatagggc aagtctgcta gggttccaaa tgcaaatgct gccattgttc 151680  
 tcagagtgtg atatctctct gggatcaaat gtgtgacaat atacacggag tactgccatc 151740  
  
 caggaaggt cactgagct ttgggtctca gagtttttat tagggctcca ttgcatcatt 151800  
 gattaattgt ttatgtgga gatctcagtc tccaagtga ctgatattgt gtgtccaaa 151860  
 gcctccactc taaattatat ggttgggtctt cctggcatgg cctgtccac cttaacactg 151920  
 ttgggtgtgg ctggtccaac ctaatatctg gtgtggccag ctcccaaatt aaacaaagac 151980  
 actccgatca gatattaata tgaattacct ccagaagtt gagggcaagg agaactctct 152040  
 ttgggcgaag tcaagttctt tattacacaa aaaatttacc tgttattact aatcgtgcta 152100  
 atcctagcct attcctaact atgatacttt actataaaaa tcattttcac acaaagctgt 152160  
  
 tgggaaattt ttaaataagc agcaaattaa atctaagaat aaatatctct aataacataa 152220  
 aattaagact atcaaaacca gaaggcaaca tccaatagt agttaaaatg agaatcacag 152280  
 agaaagagct tgaaaaatac acaccatttc aaaccacata attaagaagg gaaaccatta 152340  
 aaattttcga catcttattt ttgtaaaact ttacatgtt tacttaatgt tgctgctgaa 152400  
 agctaaccaa attttttatt gtaatctcaa gcctcacaga tctatgttag atttcttaa 152460  
 agaaaattct tataaaaaaa tcaaacattt atgagctcag atcacttatg attcctgtaa 152520  
 gtgcgaaaaa taaatggaca tatggtacaa attctcactc atttatactt tattttgcaa 152580  
  
 gigagatgtg taaagctctt caagaccttc ccaaccatac atgaaaacag aggaaagagt 152640  
 tctggattta cacctttttt tttctttccc aacatgaaat tttatgaatt acatacagt 152700  
 gcaggtaag aactgagttt gaataaatta atgaatggtt tctactgcaa tcaacaaatt 152760

cagtgaatac aaagagacta tggtttagtt ttaccctttt cttcttttc taattaaatt 152820  
ctagatacag agcctccctc gaatgcagag ttaacagtgg ggttggtttt ctgatcaaca 152880  
gaagctgctg gattacacct tgtccacaga tataaaaagg tagtaagttc cataaagaaa 152940  
ctctgtcccc atttgaaatc tctattgctt agtgccttta atgcaattgg ggaactgact 153000

gggagcagaa aactatccca atgacagaca tatgaggact ctgctatfff ctaaaagtca 153060  
atcagcacca tttgtgcccc cagaaaaacc aatcgctccc taatgcagag ggctgagagt 153120  
acatggggaa tatacaatga aactattaca agtttaaaag aacagcattc atattttttt 153180  
ttccacctag gaagtgttaa agactatgaa ttgcagctga gggagaatta aagtccttat 153240  
ttacacattt cactgtgctt gcaaagctga aaaagaaatg aactcagttg taaaagtatg 153300  
cagttcgctc aggcaatttc attgtcttag ttaggagaa aatgtccttt aatgtcatca 153360  
gctaagaaaa ggtgaatatt caggaatcaa aaagcaccag aatgttaac attaaaaaga 153420

aaaagaaagg tgataggact agaaacgtga taaggacat ggaggatgtg tgggatttgg 153480  
aggaagaggc atgcgaagag gggagagaag cctcctaaat cagggtttg cagctggaat 153540  
gggaaaaagt tagaatttct ggggttgcaa ttagtttga aaaaggacat taaacaatat 153600  
aatcttatat tgaatata gaaacatac ttctattttt gtaacacaaa ctttggtgag 153660  
tctagcccta tgaatcttc ttggctgatg gagacaagcc cattctaac tagcagccaa 153720  
gaagattctc aacaggagag ggagtgggca gttggaagag taatgtacaa aacaagtaca 153780  
ctcccagggg ggcacaggaa tagggaaagg actgagattt gctttgtgct tattggaaga 153840

gggcatggtg ttttaaaaa tgaataacac tgtccaaagt catcctaaaa gtattactaa 153900  
caccttcaga accctgttta gtaagagcca ttactgctgt atctgtcaaa gtaaccttgg 153960  
gcgatttgac tttttggaat acaaacctct ggcacttttc tggaacctag ctgacctctg 154020  
gatagggtag tttattgtgt ttctgcattt gcattgcac attttttttt tttttgagaa 154080  
gcaaaaagta ccttataggt gcttactttt aagtaaaata aaaagtctaa aatagactag 154140  
aaaccagtaa catgccttaa ggttttactt gcactcttcc aaataaacat atttggttct 154200  
tttttatgtc actggttttt gtccatctg acaagtctca cagattcatt aggaggaaaa 154260

atatcaagct atcatcatat aaagacccca cagaaaacat caagaaattc aaaacctctc 154320  
tctgtctcca cagccctcat taaaaaattg cacctgtcaa taaaacacag ataaattagg 154380  
tgactgtaag tgaaaactgc taaggtaaat cagtaactaa aaaaactaaa ccccggttag 154440  
gtgaaacacc attaaatctg tcgctgtctc atcagatcag cagccaatca ggtcctggcg 154500  
ggccatatgt gtatttataa atatatctgc taatgtaaag gtcgcactgc tcaactgtca 154560  
gggaaatcag gcacatttgg aaccatccct agaagatttt ggtttcttta aaaaaatatt 154620

ttgacaattt gtgacaaatg caatcctgcc cccatatgtt ttgtactatt taaagggaaa 154680

tgacaccag ttgccttcac atcaacatgt gaattttttt tttcttttaa taatgaagtt 154740

agaagatgag aggggaggca gggttacctt catacatctt taaaagatgt aaatatcttt 154800

ccaaacttta tatttcaca cttgtccaag aggacagagc ttccaaaatc tgtgttactg 154860

ctcatgacat aggaatcac agaaattttt cttccaaatt ggaggctgaa gtggaaaaat 154920

aactggaatg acaagaaagc gatggcagat tcttgccacc aaatgcagtc ttctgtccca 154980

ttgcctattt tttttttccg gctcagtaac tccttccctt ttctaagtat gagtaggaaa 155040

aggactcttg aaatgctccc ctctgacacc ctctgaagaa acctctaag aattaattta 155100

gaacatctgg atgaattcag aacatctcaa tcaggcccaa gagtaacatc accataaggc 155160

tgcaagagcc agaagtgaag aataagcttc aaataggaca caccattta cttgcatctc 155220

acccatttcc ttagtgccaa cacagtgaca aggtttctct atggcatggg agacagaaat 155280

ctccccctg caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaat 155340

ccacaatcgg atgacatctt tgggtgaaaa aaaaaaaagc ttctgacaag acagaaaggt 155400

atgaaaaat tttgagagaa cttgtttaat cgcccagcaa tgccttccgt tcaatttagc 155460

ccttgaatca gaataatcat gacagatggc tcttgctagt taaaaaaaaa ttagctaaaa 155520

tttcagataa cgcagccttc tgctatgttc tcctactctg aggtttatgc agtttgttca 155580

gcaggctctg aactgcatac tgctagttaga tgaccagttt tcacttagga tctgcagaat 155640

tcacaccact cgataccgaa tgcttacaac tccaagccg ggagaaatat tgtcagttca 155700

gatgacaaaa gaccttgcta ggccaccctt cctccacca gatattagat ccacatttta 155760

tacaccaagc aatgtttaaa atgtaaggac cgagaggaaa gctcttggtt ctatcagcct 155820

tgccatctct ttgtagcaga ataaactcat atctgatgct ataattaca ccctaagga 155880

cacatttaat ttattttgga gaactgaggt tgatatccac tagtgctatt attaaaaaga 155940

ctaagagag ctgctcggtg agaaaagaaa agatttattg aattcctttt ggcacccggc 156000

acagcttagc aattttgaga gcccatcaaa acagcagata tataccctgc tcagatgtgc 156060

tgtatgggat gtgagctggg tttcagattt tcaataacaa atctgtcact ccgattttta 156120

ttagacggct taaagcagcc acatcaataa tggcagaatg acggcttagt tcaaagatca 156180

tagagatgtt actttacttt aatagtctt ttatacaagt acatatttca gaagtttgca 156240

aggcattcat ctigactacc ctttcacca aagaggagaa aaaaatattc ttaattgaat 156300

tgaaccagga aactagcag tcatcacat ttctacagca ggctgttgca tccagctggt 156360

gaggaggctt aatttcacac cacgcagcaa tgaatgctg ctaactttta tttgtgagtg 156420  
 tgaatggta atatttcacg acagcgaaag gccagttgac accgctgggt gcaccctccg 156480  
 ctgctccaaa cctgagagac aaatgggagg tcttggttga gtactgacaa gcaaatggat 156540  
 ctttctcatg aaaagctccc agagaatgaa gggaggactc aatttgggat gaagggtgaa 156600  
 gcccgtgta gaagttccca tttaactgtg gacactctc tgcacagatg gtacaggaaa 156660  
 gcggatggta atctcagagt gaaaaactgg ccaaagtcta aacctttttt ttttttaaac 156720  
 tgggtgggga taatgaagag ttgtcattgt attcctttcc attgattctt gttacatgaa 156780

gaaaaacatt ggctgaataa atattacata aataaacact attagtatat agaaactatt 156840  
 actatattgg tatatatctt ccacactttg atgggaatat gtgtgtacac ttttcttta 156900  
 aaaataaac cattctatac atactgtaaa gatttctgct taatatttct gcttaataat 156960  
 atgggtatta ttttccatat caataaatat ataccaatgt catcatttta acaattatat 157020  
 actattgcat tgiataaata atccatacat tactgaatca atcccctctt gctggacatt 157080  
 cagataatct cagattattt tgcaatgtta tgtgtatatg tgtgtatata tatatataaa 157140  
 tactaataca gagtacatga acatgtactt tctatatatg agtatgtatt atacacacac 157200

actatataat ttgattatta tattcgaata aattatctta ggataaatta ttagagctgg 157260  
 cactcccaag tctaagtatc tgcattttta aaaaagattt catatgcagt cagcactcta 157320  
 catccttgag ttccacatgt gcacaaaacc aacctcaga ttagaaatat tttttaaaaa 157380  
 tacaacgata aaaataatac aaataaaaaa tacagtataa caactattta cattacatta 157440  
 ggtattataa ataactaga gattatctga tgtatacagg atgtgtgtag gttgtatgca 157500  
 aatcctatac cattttatat cacacatttg ggcacccatg gattttggta tcctcatggg 157560  
 glcctggaac caattttgca tggatactta gggaaaacca tatattatat cactgttcta 157620

atgggtagag aatatgttcc ttagaagcat cttctcctgg atcagatcct gacaaaacac 157680  
 tctaaacctg ttactaccac ttccacagca tcattcaaat cctcaattct atctccactt 157740  
 cctctgcaat gctattcatc actccccaga ataacctgaa cattctctgg acccaatccc 157800  
 tgcaagtctc cctcactgtt ctggccaacc ttcagtgggtg tagccaaagt tgtattgact 157860  
 cctcatagac aggactaaca tccttcatgt tgccttaaca ctgacttctg cagcatctaa 157920  
 atagcacacg cctcgagcga agaccacagc ccgtgtgcca atgccatttc attgctctgc 157980  
 accagctctg cctcgtttca ggctatgtga ctttgggaca gtgacttctc ctctatgtgc 158040

ttcagtttct taattgttct gactacttcc ttcaggaagc cttcttggac ctcttatgtc 158100  
 taggttaggg ctttccctg tgcctccatg acactccata cttcaccag cacaacactt 158160  
 accacacagt ttatggatg tctggtacct gtttcccca acactagact atcacagtag 158220

gatccacagg catcaatctt ggtctctact tatgtgccat tcattgaaaa agataattat 158280  
tgagtgccta ctttaaaaag ataattatta agttccagat ggtattttctg gaagaactag 158340  
ggatacaaca gagaacacaa cagataaagt caccactctc atgtggcata tattccagcg 158400  
gggaggagca gaccgacagc agaatgggtc aacgtaagga acggcagata acggttaagta 158460  
  
ccatggaagc aggcaaaaaga gaggtgggg tggacttgcc gtttaggagt ctggggtcag 158520  
aggaggtctc ccccaaaaag tgaccttagg agaaaggact gttggtgtct ggagttggga 158580  
gagaccagtt tctttgagca gtggacttct tctgtttgtt ttcagaacac aggcctata 158640  
tcataatttg tttaaagtaa gaggtctgct gcttaaaaag aaaaaattt tttccaaca 158700  
cagcttctag tgtaaagtc tttttgtgct aggcactata taacgtgact ttaaagctgg 158760  
cataattccc caacaatga aagcttctgg tgagaagcac gtaagtgtg agagaagtga 158820  
tacaccaaga ggaggcccag gttcacactc gacgtaagtg gcagagctgg gattaaactc 158880  
  
cttgtctgct acctccagag tccatatctc tctctcacc ctgaaatgta agccagacat 158940  
accagcaggc tgccaagtc ttttaattca aatttgatgg agctgccaca gcactggtat 159000  
tgctttgttc gaggttgctt cccagatgac ctgtctgtgt gtttagacac ctttgacagc 159060  
ccatatgaa catacctaaa atggcttca ctgtaagagt tcattgattg tgcctctgta 159120  
tgttcagagt gataatgtt tttaatcaga gggcatttta tttggaattt cttttcaaaa 159180  
agtgcaggta gttctaaca ctaaatacaa ggtaaagggt ttttaagaat gtgcctagaa 159240  
agtattgctc ttggcccaat ttctacatca gatcactgtc cagtctgcc ttctgcttct 159300  
  
cactgacttt tcttctctt cttcttctt ttttctgctt gcttccctac ttccagctgc 159360  
cagcaagtca gataattaaa tgccaaagta gtgacacttg gcatttcaat gagcgttctg 159420  
tatttactac acggtttctc tcgacagccc tctgtctcag catgcgtgca agctctacgc 159480  
tgctctgctg aactgaagcg ctcttttgtt gcagggtgag acgaactgaa gaaagatgaa 159540  
ctcgggcagc agccaagaac tgagaggagg gggtcagcag attccctaac ttctctctc 159600  
cgctacctct tggagtttat gtctctattt caattaacaa agcctttgtt aaaaccttag 159660  
ccctctgtgc tcagccctct actgggacat ttttaaaatg aattttgtat taaaggagac 159720  
  
aggactttag gtcttttcac ttcaaccagg tactgccaga atattgcact atacatgaat 159780  
cagaaagtga gttcacctta ataagctcac ccaattttat aaaaaagcta tttgtcagag 159840  
agaagtcgac attgatgca aaagcctgac tctagcttcc aaggctgtaa tttagacctt 159900  
gggagaactg tctaattcaa aatgtgcctc ttaccataa ggatcatgcg gtcaggcggc 159960  
agctcagcca tcacctctt ctggaagccc tccctgaccc catgagtcg ggttaagtgc 160020  
cctcctaggt ggctctgatg cagccagtcc tagaccataa acttagagga caggaacct 160080

gtcttactga gaatgtccca tgccaaacac agcacctgaa acatatcagg ggtatgatac 160140

atagttccaa ttaaactgct ttgcagttag atgataaagc cttttcaaat tcctttaaaa 160200

acctttaaaa accagtgtag ctggttttct ggggctttgg aagacatcat actaatactt 160260

ttcatgagac ctctttagc atataacctt accaagcaga tccagaagac tagaacctcc 160320

ccaggtagat gcctagccac tttttggcaa attgctttca tgggacattc aaaacctga 160380

gagctacttc aaaagtctct ggagagcttt ggcaggtctt aagctccagt gtatctgcca 160440

cagagggaga gagggagtca tgtaacagc ttaaatctta ttccacctgc aaagtaattg 160500

cttacactta aaaaaaatg ctggattggc ctgtctaatt ccattatacc tttaaagaat 160560

ggcacatttt aattcctttg ctgtttccac atagtgtat tgtatttact tgctaatacga 160620

tagaacagaa aagaacatga cattctcaaa gtttttcttt ccatgattt gcccttctc 160680

taccagcagg aggtaccttt acctctctgt ttttttttt cctacatagc tacataaact 160740

ttaaaaagag atcatctgac tacactgcct ctattgtct cttttttcac tcctttgtat 160800

taaacgcagc tcctatccaa ggcaatcttg gcaggaagac accatctctc ccacatttcc 160860

cctacccagc tacagtctta ctgtctctca ccaggttggt cacagctcat tacaactcta 160920

gtcatctgga attgtaaaga tcaaagtttt gctacttact acagtgttc tatgaatggc 160980

tgcattctc ttttacaagt aacctatgac ggaaaacaca ggggaagctt ctctttttc 161040

ttgttgacaa aagctggatc acttcatgaa tgcaggaaaa aatttgctat atatttaata 161100

tcgaaataag tgaaaactaa tacatttata agatcctttc tgtttctggc cagtcagaaa 161160

ggccaagcct agcaaagata ctacatgtct gctcccttga ttttagccaa cagatagttt 161220

caaaactctt tcttcatcaa aacttttctc gccaaaacag aaaaaagtt ggcttgcatc 161280

tcaacttctc ttattttctc catctatat ggaaggttc aggcagctac ccagaaagaa 161340

ggtaggataa ttgaggccta agtcaccata gggtcactgg ctcttaata taagcacaaa 161400

tgaagccata attcctagaa ttagaagaaa cttagtgaa aatcaaagtg aaggacattg 161460

attgagggtc tcttgccaa gaaacaacat tctcttgcgc ttgttatatt tcctgcacat 161520

ggagcttgat gtggttggt gtgtccccc ccaaatctca tcttgaatta taactcccat 161580

aactccaatg tgcaggaga ggaacatggt gagaggtgac tgaattatgg ggtgggtctt 161640

tcctgtgctg tctcttgat agtgaatgag tctcacaaga tctgatggtt ttaaaaagg 161700

gagtttccct gcaaaagctc tctcttact gctgcatcc atgtaagaca tgacttgctc 161760

ttccttgct tctgcatga ttgtgaggtc tccccagcca tgtggaactg taagtccatt 161820

aaacctcttc tgtaaattgc ccagtcctctg atatgtcttt atcagcagca tgagaacagg 161880  
 ctcatacagt aaattggtag cagcagaggg gggcactact gtagatactt aaaaatgtgg 161940  
 aagcggtctt gagactgggt aacaggcagg gattggaaca gtttggaggg ctgagaaga 162000  
 gacaaaaaaa tggagagaaat ttgaaactt cctaaagact tgttgaatgg ctttgacaaa 162060  
 aatgctgaga gtggtgtgga taataaagtc caggctgagg tggctcaga tggaaatgag 162120  
 aaacttggtt ggaactggaa caaaggtagc tcttggtatg tcttagcaaa gagagtagtg 162180  
 gcatttttcc cctgccatag agatgtgtgg aactttgaac ttgagggaga tgatttaggg 162240  
  
 tatctggcga aagaaatttc taagcagcag agcattcaag aggtgacttg ggtgctgtta 162300  
 agggcattca gttttctaag ggaagcagag cacaaaagtt tggaaatttg cagcctgaaa 162360  
 atgcataga aaagaaaatc ccattttcta aggagaaatt caagctggct gcagaaattt 162420  
 gcataataa tgaagagtc aatgttaatc ccaaagacaa tggggaaaat gtctccaggg 162480  
 catgtcagag gtcttcattg cagcttctcc tatcacaggc cccgaggcct aggaggaaaa 162540  
 actggttctg tgggttgggc ccagggactg tgtgtgctgt gtgcagccta gggactgcta 162600  
 gggcagtgcga gaagggaaag gtgatgttgg agccccaca caaagtcct cctagggcac 162660  
  
 cacttagcag agttgtgaga agatggtcat tgcctccag acccagact ggtagatcca 162720  
 ctgacagctt gcactttgta cctagaaaag ttgcagacac tcaacatcag cctatgaagg 162780  
 ctgctgggag ggacgtata ccccgcaaag ccacgggcag agctgcccga gacctggga 162840  
 acacacctt tgcatcagca tgacctggat gtgagacatg gaggtaaagg ggatcatttt 162900  
 ggagctctaa gatttgactg ccccgctgga ttgggaatt gcatgggccc ttagccct 162960  
 ttgtttcggc caatttctcc catttgaat ggctgtattt acccaatgcc ttagcccca 163020  
 tcatactag gaagtaagta acttgctttt gattttacag tggaaagga ctgccttgt 163080  
  
 ctcatagag acttagact gtagactttt gatttaatgt tgaaatgagt taagactttg 163140  
 ggggactctt gggaaggcat gattgatttt gaaatgtgag gacataaaat ttggagggg 163200  
 ccagggacag aatgatatgg tttggttgtg tccccatcca aatctcatct tgaatggtaa 163260  
 ctcccataat tcccatatgt ttcaggagga acccagtgagg aagtattga attgtggggg 163320  
 cgtgtcttcc ctgcactgtt ctgtaatag tgaatgagtc tcgcgagatc tgatggtttt 163380  
 caaagtggga gtttctctgt acaagatttc ttgcctgct gccaacatg taagatgtga 163440  
 ctgtctctgc ctgccttct gccatgattg tgaggcctcc ccagccatgt ggaactgtaa 163500  
  
 atccattaaa cctctttctt ttgtaaatg ccagctctca ggtatgtctt catcagcagt 163560  
 gtaagaacag actagtacag agctcaattc aaaaaaaaa aaaaacccat ttttctcac 163620  
 catttcagtc aaaattatta ttattattaa ttattactga gacagggtct tgctctgttg 163680

tccaggctgg agtgcagtaa agagcttggc tcaactgcaac ctccatctcc aagtctcaag 163740  
 caatctctcc acctcagcct cctgagtagc tgggaccaca ggtgtgtgct accacacctg 163800  
 gctaattgtt ttttgtactt cttagtagaa acagggtttc accgtgttgc ccaggctggt 163860  
 ctcaaactcc tgagctcagg caatgtgcct gcctcagcct cccaaggtgc tgggattaca 163920

ggtgtaagcc actgcaccca gccccagtca aaattaaata caagtgtcct gtcagaatga 163980  
 aacttctaca gtttgaggaa tcattaatta caaagcattg cttcttggtg catgaatatt 164040  
 tgggcccaga aagcagatgt ttgctcctct ctagaatgtc atcttctacc acagattgtg 164100  
 tagatataca acagctacta ttagattcac tattttctaa gaaacaatgt caattagtaa 164160  
 taggaagaga tgittcaagt aataaaaaat tttagcaaag gaagcaaaat tttagctcat 164220  
 gtgagaaatc taagattggg aaagaagttt tctcatatgc aacattcaat ggaagcagag 164280  
 gtcatccacg ttagaagcat tttgtacaaa gtcaaacaat tttgtgatgg aacaatctac 164340

ttttgtaaaa gttactttcc ctctagtctc tggcattccc agttaaaatt aaaactgtat 164400  
 aatattgcta atctataaac tacatagttt gttctaccca catcaattaa aaattcattt 164460  
 gtggagaaaa agaagagaaa taaatcagtc atgctaatta aaaagaaatt aagcaagaaa 164520  
 cagtcaagaa ggactttcct gaagaaaaag gaagtcttct ttagttaaat tacagaataa 164580  
 tttgtggaaa attaaaacta caaatgcat tttcaatc ttagagccac tgggtttggt 164640  
 gaacagtggg gttttgcatg tctacattgc aggcattcac tttctccaac aagataccct 164700  
 ctgtcttctg ctaatacctc tcgtgagcag agaagatgta aatgtgttca ctcagcagtt 164760

taggagtcca tcatgaccga aaaataaagg cacggataca actgtagata attttgcttg 164820  
 gctctgatga tcaatagaa ttaaattctt aatatggact gaagcttctt tgtgtcataa 164880  
 aaattcacag aattccactc cttctcacc accccactg tgatctctca agcagattta 164940  
 tgaaaactgt gtacaattag gaatactttt ctatcagcat taattctgcc ctctgacctt 165000  
 tcttccccag ttccatttgt accaatgagt tctcaattca tataagctat tctccagagg 165060  
 cacaggactg ggctcctaata taactattaa atgtcttgag agcaggggca ctggcaggga 165120  
 aatctacca caggcctcct ccaactgaaag tcatctggcg gcctgactgt gaagcccttt 165180

tgccccctcg ggcagtagca gcagggacca gtggaagccc cagcagcatc caataaactg 165240  
 agccaaccaa aaatagtaaa ggctttgaaa accactgccc ttggaagcac agcccactaa 165300  
 agtaggcaaa gacccatgtg ctaaaactta cagggtgtct gcctgctaaa gtaaaagttt 165360  
 ggaatgcaac ccagagtctc caaacatatg aaatgtgcag gatataattt aaaatcaccc 165420  
 atcaactaag aacaaaaaaa tcacaacttg agtaaaaaaa gacagtcaac taatgccaat 165480  
 accaaaatgg atcagatgaa ttagatcttg aaatgatctg aaaaggattt taaagcagct 165540

gtcataaaaa tgcttcaaca atgaattaca aattcttttg aaacaaatgg aaaaaattag 165600

aaaattccag aaaagaaatg gaagctacaa aaaatgaaaa gcgtaaatta taataataaa 165660

ataatagtaa tacagatttt aaaacttgct ggaagggtc aacagtagag gtgagagagg 165720

acaaaattag tggacttgag ggcaggacaa taaaatttac ccaatttcaa caaaaaaggc 165780

aaacataatg agaaaaaaa ttaacagctc ctcagggtact tgtgggacac tagaaaaaga 165840

cccaacattt gtatcatcag agttccagaa gagaagaaag agagtagaac cgaaagagta 165900

tataaagaaa taatgggctg ggtgcagtga ttcacgcctt taatcctagc actttgggag 165960

gccaaggcgg gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga 166020

aaccctgtct ctactaaaa tgcaaaaatt agctgggcgt tgtggtgggc gcctgtaatc 166080

ccagctactc aggaggctga ggcaggcact tgaaccagg aggcagaggt tacagtgagc 166140

caagatcacg ccaatgcacc ccagtctggg cgacaagagt gaaacaacgt ttaaaaaaaa 166200

aaaagaaaaa gaaaagaaaa gaaaagaaat aatggctgaa aactccctgg atttgcaaa 166260

aaaaaaaaa aaaaaaaaaa aaaacaaaac acaaacataa acctacagat tcaaaaaaca 166320

gtgaatccaa accagataaa ctcaggaaaa tataactaa aacacatcat aattaaaaat 166380

ttaaaatcta aagagaaaga agatcttgaa ataatccaga gaaaaacgat acatgaacat 166440

caattcaatg acagcacatt tteccctcag cttcactgag gtatagtgat gattaaaatt 166500

taatatattt aaggtctaca acttgatgat ttggtatatg tatacattgt gaaatattca 166560

ccacaatcaa gctaagtact gggcttttta atctgtaacc atggagtcca gaatcaagcg 166620

gtttcaagtg gtgaaaggag agacttgtca actgtgaagt ttatattcag agaaactatc 166680

cttcataaat gaaaaaata aaaaaataa aaaacattct caatgaagaa aaagactctg 166740

tcactagcag acccaccttt aatgactgac taaagaaaga tcttccaaca gaaaggaaat 166800

gataaaagaa ggaatcctgg cacatcaaga aggaagaaga tacaatgaaa aaagcaaatt 166860

tactgttatg ttgatgactg aaataaaagt tataatacca cttgatactc aagacgatga 166920

taaaaatggg aaaggtaaag aaacctaaat ggaagtgagg ttcccataat tctcccaaaa 166980

tttatatgaa aaggcacagc cctatattaa tgtatagcta cagtaatcaa gacaatgtgg 167040

tattgatgaa ttaatacata gatcgattga acagaataga caaccagac aggcccat 167100

aaattctca actgatatgt gacaaagatg cataatcaac tcagtgaagg aagaatagtc 167160

tttacaacaa ttggtgctgg agccatcaag cagcataga caaaaaaaaa gaaaaagaat 167220

cttgacctaa acctcatagc ttatacgaag atgaactcta aatggaatat agacctaaat 167280

gtaagaaaca gcaccataca actttcaggg aaaaaaaaaag ccagaaacaa attgttagga 167340  
ttagagtta ggcaagact tcttagactt gatacaaaa ccatgatcca taaatgtat 167400  
aaatttggtc tcatcaaaat tagaaacttt tgtttggtga aacctcatgg gaagaagatg 167460  
aaaatacaga gagactgggg aaaacatttg caaaccacat atccaactaa cgaccagtaa 167520  
ataaagtata ttataaaaaa tctcaaaact caatagtaat aaaacaagca atccaaatag 167580  
aaaatgggaa aagatattta actaaagagg atatacagac ggtaataaag catatgagaa 167640  
gatgttcaac atcactaatc atcaggggaa ggcaaattaa aactacaatg aaatattact 167700

acatgcctat cagaatagct aaaaattaaa aagagtgaca ataccaaata ctggcaaaga 167760  
tgtgaagaaa ctggatcact catacattgc tgacagaaat gtaaaaaggt acaggcactc 167820  
tggaaaacag ttttcttata aaactaatca taaaattacc atatgacca gtaattgtag 167880  
tggtggataa ttatccagag aaatgaaaat tatgttataa caaaaactgt ttgcaaatat 167940  
tcatagcagc ttacttgtat atagcttaaa ctacaatcag cccagatgtc tctcaccagg 168000  
cagatgtcaa ctactgtgga ataacatac catggaatat tactcagcaa taaaaggaa 168060  
tacaatacat ggaaacttgg atgaatctcc agtgaattta gctgagttaa aaagccactc 168120

cgaagaagtt acatactgta tgagtcctat tatgcaacat ttcttaaatg aaaaaatta 168180  
ctactagagg aaagatgagt ggttgccagg aaggttaggg atggcatgta taggaagtag 168240  
gtggatgtat ttattaaagg gaaataggat agatattagt ggtgctggaa atgcttagta 168300  
tctcaactgt gatgggtgaa acaagaaact gcactagcaa cacattgtat agaacttaca 168360  
cacacacaca cacacaaaga gtacaaaact gaggaagcct gaataggtca tgatttgtat 168420  
caagttcaat attcgggttg atatcatact gcagagtttt gcaaaatact aacattgggg 168480  
gaaactagat aaagtgtaca agggctctct ctgtattact tctcacaagt gcatgtgaat 168540

ttacaattat ctcaacaac acttgaaagc tgtcacaatg tgaatgaaga aaccaggaaa 168600  
tattactacc acgaagtcca ttttcaaaga tgacatgtga caaccaaggc ctgctgtaca 168660  
atgtggaaag agccgagggc aaactgcttt ttgcatcat tcttcatcat tccattaatc 168720  
atcacaaaa agccaccatt tcataaaagc aaggggaggg aatgttacat taacataata 168780  
ttagaatcat tccggaggaa gggagatgct agcaaacatc ctatcaatca actggcaatt 168840  
actgatacca acaggtctta agttgcacac ggcaatggcg catgttttct tcaccaaaga 168900  
tcgacctgca cctggcacag tccttggctc atgatggaaa gaaaaccagt agcattgac 168960

agtgaatgag gaacaaactc acctcatgca tcctaacct ttctggcaat ttaatctgtg 169020  
gcatgcgaaa gaagttccca ttaagtagga gtttacaata ttctggctct gtaggtgaa 169080  
cagaaatttc ctggcacctt gaggattgtg tgaatcccta cttcttaaag tttccctcca 169140

aaatagccct tgcctttctac tatacagaag agggaaggaa aatttcacac tcagacagcc 169200  
aaggggtgtaa ctaacctgaa attgtgcagt cataacattg gaattagttt tcaaatagct 169260  
aaacgtatgt atattttagt atttaaaaat gttaaatfff ctacaaatta aatttcatac 169320  
aaatttaatg acagaactga tttttccct ctcttccaaa atatacaggt tcatccctga 169380

catcaagcat gccctcaatt ttgaaaaaca ggcctaacca accaaggggt tctttgaaat 169440  
acggaatgtc taagtgaagc agttttgttt agccaggaat cagattgatg tttctgatga 169500  
caaaaattag ggtaaggaa cttgacaagc accttagagt ctctttatca caactaatc 169560  
tcaagcaaaa ggtttctctg agaatagcag cagaaacacc cagctcctgc aaccacttgt 169620  
agggagagaa tgtagataa aaaggagtca cctgccagac atattgtagg aggaagctgt 169680  
gtttgcattt aaaatgggaa ggcactttac tgagatgcct tggagataag tgtacaaatg 169740  
ggtacaatag tagccatcat taagacaaat gtccattttg acttttactt ttactttccc 169800

ctcaaagcct ctttaatgaa gatacaaaaa aacaaaaaaa aagggttcac agcagatgtc 169860  
actgggtaca agtctgaaga gacattaagt acaagagaca gcataaataa aacaaaatga 169920  
atcaattaaa aaacctggac ataacagctg aagttgtgat ttcatttggg ggcttaatat 169980  
gctgggaaac tcagaaaaat taaacacgtc tcggagtcct aacttcctat atcttaattt 170040  
gccatacttc acatggtaat cgatggaact attgatactt tcatttttgt ttttaattata 170100  
ctttcatatt ttaactgttg cttatcttgg ggttactgtc atattattat atagttcaga 170160  
atctcattaa gtaggctgat tttttttttt tttttttttt ttttgagacg gagtctcact 170220

ctgtcgccca ggcctggagtg cagtgggtggg atctcggtc actgcaagct ccgcctcccg 170280  
gcttcatgcc attctcctgc ctacgcctcc cgagtagctg ggactacagg cgcctgcaac 170340  
catgcctggc taatfttttg tatttttagt agagacgggg tttcaccgta ttggccagga 170400  
cagtcttgat ctctgactt cgtgatccgc ccgcctcggc ctcccaaagt gctgggatta 170460  
caggcatgag ccacctgccc cggccagtag gctgaatttt taaatgagac actgtatctt 170520  
aaggccaatt acttttagac aaactgaagt cagattttat aatatagagt aagtaagaaa 170580  
ataagattcc ccatttaaaa ctctgcttta gggcagctct gtctgttctt gtcacagtca 170640

caacaaatga tgtagaatg taacatttgg aggacaagga gtagtggcat ttattttcac 170700  
tttatacagt gcctagacta atgcttagtg taaaaaata tgttttcag aagtaatttt 170760  
ttggggaaaa agtgattcat ttcagttata tgaaatgtga aagaaaacta aagaaagcaa 170820  
ataaaaggaa ataataaaaa tgacttgtct gtgtaatgat agttgcttct cttgggaatg 170880  
agggcaataa agaaatgtgt ttccttgta aaggttctgc tgagaagagt tcaaaaaaac 170940  
tgcatttccc ttctctctca tgcataaaca gtgaatgcac acaggtacta aagcaaatcc 171000

tcagcgtaaa ggaggagatg gttgtttatg agatagagtt ggtacagtta ttcccagaaa 171060

ctcaatatga acaactgtat ttatttccat tattaaggag taaacagtat taaagctgga 171120

tgatggactt attcaacata actgtttttt caacttttga caatttttta aaaattttca 171180

tcgtaagagt aaaaacaaaa aattaacagt gtcttcacta cctttgtaaa ggtatccctc 171240

tctcagtact ttccagttt taatttggct ggtggaaaac aaaagatcag acagtgtgac 171300

atctaataat ctctaccatg accaattctg ataaggtaaa acacttttat ccctcaggag 171360

glatcataca acattttctt tagtttcgtt tgagggtgat gaagattttc cacttgtgaa 171420

taaaatcctc agcaaatcct tatagggtgt ttttcttgtg tgacatggag ccaaccagct 171480

aaggctctca gtaaggccgg ctgccagggt aaatcatatc tttcctggct ttacacgtga 171540

gccagatgtt ggggattttc tgagctacag gatggtgggg aaaaaggttt ttgcatttcc 171600

tgtgttttca ctccagctct caagctttca agattcatgg ccagtcaaca gtgtcatgaa 171660

ctggcctgaa aatattccag attaaaacc actgacaaca tacctgactc tgccattgcc 171720

tcatactgtt tgtcagatca ggatctcttt gtactgtctc tttccctgac agttccgagg 171780

gcagtcagag aggcagggtt aatctttaat cttctgaagc ctgaaattca gtggaattca 171840

actaccattt taaaagtagc ttattttctc gttaatatga gtagtatttt atgaaatttg 171900

ttaataaaat actattagta ccaagtcaaa tatgataaac tttttatcat atagacaatt 171960

tagaaatatg tataagtatg aatgtatatg tacatttcat gtatatgtaa aaatccacaa 172020

taagtccact atctgaggaa aactaacata caccattttc aggtatttcc agggacaagt 172080

aaggaaattc ctaggttctt aatgaatgtc cacatatgcc tacatatgcc atcataagca 172140

tatttgtttg tatatatcaa cattcattta aacattctat cataagattt tcctcattac 172200

taaatattat taaataatgt tgatgattgc atgattttag caaatggcta taccataatt 172260

catttaatat tggcctactg ctagattact attggcctac tgttgtatta ctgctggtgt 172320

cacaaaaatt gtcatttttt ttctgttata aataatttgc agtgctacat tttaaaagta 172380

ttttgacaaa gaaaattttg ccttatcttt tctgaacact cacttcttt ctgttctaac 172440

ccaggcttcc caggagcagt catttctaac ctctactacg catcagagtc atccagagag 172500

cttgtaaaaa cacagatttc tgcgtccac cctcagagtt tgctgactga gaaggctctg 172560

gttggaacaa agaactctga ttttttaaaa gtccatgggt ctaggaccac actttgagaa 172620

ctgctgttcc aaagaaccac ctgctttata ctctggtttc tcttcggatc atataaatct 172680

gccttttaaa aaagcacctg ttggatctat gaaactgatg cagccggtag tttctcatta 172740

tgggtctcatt accctttaca ttgaaaaata caaagccact tcaattgccca ttccacagta 172800  
 cagcccatgg cctggaacgg gcacagctgc cctctttagg ttgaaatat ttggcaaata 172860  
 aggaatgctg gcaagagagg ctgcagtttt gacacctaca ccttgatttg ggattcattt 172920  
 ttctcactca ggatttggca agcgtatgtc ttctttaag tgagactgaa aataagctct 172980  
 gactcacaaa cctagcttaa aacaccacaa agagtaacaa actatttcca taactaataa 173040  
 ttattaaaaat atgtttttga gtttttgcac aacttgcctg tataatgaga tctaagtatt 173100  
 tacatggaat ttctacatta ctgtgtgaat aaattaacag aactaaaacc tgcctcctga 173160  
  
 cctctagcct ctccctgatg tcagcctgtg ctcaaccctg ccaccaacac tgtcttttta 173220  
 aaaatcaaaa ctgattcctt atttacttct ttccccagca atatggcaaa tgaaatgttc 173280  
 cgagaaacca ctctgatgc agcacatcta aaaatggcgg ctaaagtgtt taaaagaatc 173340  
 tcttttttaa tgcatggctg ccctacagat aaagtgaggg aatgcctcag aggccagaaa 173400  
 acaagcaagc aaacaaaaag cccagcaatc aggagcagag agcaagagtt ggggctattc 173460  
 taacaatttc aggtacccta gagcttggct tctaaggggc cagttgagaa gaatcaaagt 173520  
 atgggtctag atttggatct gagttaaac agacatccac attcacaag caagaacttc 173580  
  
 tacatggcaa caaagtcagc aaataaacig ggaggagcaa aaccaaact gacctacaga 173640  
 gtgaggcagt tggcaaagac gtcttggctc ttggtgggga agggaaaaat gagtctctta 173700  
 aggattttta accagaaaaac ctgggtttga atcctgaatt catgtttctc atgtgttcca 173760  
 aaacactcaa aaactgatat tttagtttaa attcatatag agttaatata gtctctaggc 173820  
 ttcaggtagc aacaatgaca actactccat ggaagaatgc atctaaacct aggtctcaag 173880  
 gaatttcaa agataagggt ctaaagaatg gcagcttata ctaaaaacta ctaccgtgaa 173940  
 taatagcaga aacagccagt agaaaacaca gtgtagaaaa taactgaaaa gatgatcagc 174000  
  
 tatgtgtaag tatggaaata tcagatatat aagtataaat aaattttttt aaaaaagaaa 174060  
 aatgaatgca taacaaagaa acaagaggct gtgaaaattg accaagaagt tttaaaaaat 174120  
 aaaatctact tctaaaaatt aaaaatgtaa ttatttaaaa aaagcttcac ttatgaatta 174180  
 aacagtggag aagacacagc taaagagaga cttagcgact ttgaaaatgg ttgtgtataa 174240  
 attaagtgga atgcagcaaa gagacaaagt gagaaaaaaa tatgaaggac agttttaaag 174300  
 gcacagaagg tagatataaa acacataata gcctgctaaa tcagagttcc aggaggtgat 174360  
 aatacagtga tggaggaatg gcaacatttt gaaaaagaat gaataagaac ttctctgaat 174420  
  
 tcaaaaagac acaataattt taggttttag gaatcttaat aaattctaag caagactaat 174480  
 aaaaacaagt tcaactgtagc aaaaaaaaag ataaaagggt gaccttaat gcagcctaaa 174540  
 agaaaagtca gattacttaa aaaaataatg acaattacac tcaacagcaa catcaggagg 174600

aatcatatct tcaaaatgct gtgagaagta actgtctatc aaaattgcat gcaatttaca 174660  
 catacctttc aagagcaaga atgaaataaa aatgctttca gaaaaataaa aactgacaga 174720  
 tcctcactaa aggaacttct aaaagatgtc cttcagaaaa aagaaaaaat atctcagaag 174780  
 taagttcaga tataaaacaa agaacagaga ccagagaaaa cagaaaaata tgggcaagtc 174840

aaatatcac catgaaaata ataacactaa ggtttaattt gtgagatcaa aatagataga 174900  
 tagattctgg aggatggggt gacattctgg tgtggtgtga attgagttaa agtggtgttt 174960  
 gggataaagg taaagatact gattaacttt actttctgtt acattaaaag tgcattgtga 175020  
 aatgtcaaaa ctttaggat gcagctaaag cagtttttca aaggaaattc ataacctgat 175080  
 atggttatgg tagcaaataa aaaattgttt acttaggagt taggaaaaaa actgcaaaac 175140  
 taacctgaaa tagtagaagg aagaaataac aaagataaga aaataatta acaaaactga 175200  
 aaacaagac ccaacataga gaatgaatga agtccaacat tggttttttt agaagaataa 175260

taaagttaac aaattgctgc ctaggctaata aaagaaaaag aaagatgaca tgtgttaata 175320  
 ataataaggaa tgaaggggtg atataatttc agatgcagca gagattaaaa aggtaaataa 175380  
 atgtatgtca ataaatttgt aaactgagat gacaaatgat aagtgtctag aataatacaa 175440  
 attaccatag aacgcttaag gagaataaat acatcttaaa taataccata atcactaaaa 175500  
 ctattgaatc cgaattttaa aatcttctca catggcctag acaccttaaa aattgagttg 175560  
 cggccgggcg cgggtggctca cgctgttaat ccagcactt tgggaggcca aggcaggcag 175620  
 atcacctgag gttggagttc aagaccagcc tgaccaacat ggaaaaaccc cgtctctact 175680

aaaaatacaa aattagctgg gcgtggtggt gcatgcctgt aatcccagct actcgggagg 175740  
 ctgaggccgg agaatcgctt gaactcagga ggcggagggt gaggttaagcc gagatcgctg 175800  
 cattgcacc cagcctgggc aagaagagtg aaactcgaat ttccgtctca agaaaacaat 175860  
 aaaaataaaa ataaaataaa ataaaataaa ataaaagtgt agttgttaaca ttcaataaac 175920  
 agaaaagctc taatttcatc aaaatctatc agaaaataga aatgggacaa gaaatgaaca 175980  
 ttttatgcga tcctcactca tgactatact gccaaaatct taagaaaaat atgggcaaat 176040  
 taactcattc aatataatg ttaaaaatat atacatcatg accaagttga acgtttttct 176100

aggaaagtaa gattcattga tcatgccact gagaaatcaa ggagaaaatc atatgactat 176160  
 ctctgcagga ataaaaaaaa atagcaaaact aagcataaag gaacttgtta acctgttaaa 176220  
 aatatgtagc aaacatcaaa cttagtgggg aaatatttct ctaaatgtct ttaaaggaaa 176280  
 taggaataag aaaaagagtt atgctatgag catttctatt cagcatcacc ttggaagttc 176340  
 tagttttatc aataagataa agaaaagaaa taaaatatat caggattaga aaaaaagcc 176400  
 ataaaaataa atgcatatag attatataat cttatacata aaaccctac agaaaatgca 176460

aattatcaga attaagagtt tgaagaagct tcattcattt cttttttatc attatgtgat 176520  
  
aatccattat tgtcactggt ctttttgggt cttaaattgc cttacatgac tgtggaaatc 176580  
ccttttaggcc agctcaagca tctctatgac atgattccca ttactctttg agcatctcct 176640  
tgctttctgc tccaaaaaga tgatctagac tcactcttagt ctttccttaa tccagatctg 176700  
gaagtagcca ttgtataaa aagtactgtt tcctttgggt agaaaacggt acttagaaat 176760  
caagacatta gtgctgaatg tgtatattgt taatgagggt tcattctcca gacgccttca 176820  
atgcacagag ctaggaaata tattatctga aatcaccaat tcatttaata gagtcaattc 176880  
aaatatatca cagagttttt cttaccttta tatttacacc tcttttatag taaaaattgt 176940  
  
ggttttagaat tacaataatg tacttacctt ctatatacta ctgtatttat ttttaataat 177000  
tacaatataa atactaacac taacaataaa cctagtaagt agagttaag atttctttgc 177060  
agattttttg tctttaaatt ttgtcccaca aaaatatata ttcagagcac tatgcttaaa 177120  
aatagtgtga attaattaat tgctctgtgg ctatgtaatc tatttgatat acagttagaa 177180  
ttcttttctt tctgtttcca ttcagtttta aggtttacta ctttttatcc tttatggttt 177240  
taattttatg tttattaaaa ataattataa atattaataa tttttaata aaataatatt 177300  
ttattaaaat atattgggtc aaaagtcgaa actatttaag taggtattct ccaatcatta 177360  
  
tcactttcaa tacaattacc actgacacca tctagtcaac ctttttatta ctttctggct 177420  
tatctatcct gtacttcttt ttgcaaaatt aagcaaataa ataccaagac ataagcacat 177480  
gcatacataa agttacttcc ctttctttct ataaaaaag gtggtataaa atacatactc 177540  
ttttgtacct tgcttatttc catttaacaa ttatcctaga tatcgacca catcagetta 177600  
tagaaatatt cctcataatt ttacagcttc atagtattca actgtatggc tatgccatgg 177660  
taattgaacc aatctctata gtgcgagatt tgagttttca atatgttgct gttacaaaga 177720  
ctactacaac aaataactga tagtgctgtt gtttcatatt tgtagagggt tttcatcaag 177780  
  
glaaaccttt aaaagtgaat ttgttagctg gaaagataca gatttgcatt caatttcctt 177840  
ccatggaagt tttaatcatt ttgcattctc accagcaatg agtctgaatg cttgtttttc 177900  
cagattctcc aagagtgttt ttttaaaaga aagggttgcatt ttctatgcac cagcaatgaa 177960  
gagtttaata tttatttttt aaaagttacc atgtataaaa caataatgaa aatttataat 178020  
ataccatggg gggaaatact acaaaaaatt gtatgagatt ttttaataat aaatgtataa 178080  
atgttcattg aaagacatta acaaagataa taattaagag acaaagcata ttcattggaca 178140  
gcataattcaa caggaaaagt cactattgta aacatgttaa tgattctata attgatctac 178200

atatttaata aattctaacc aaaatcttaa caggattttt caaggacctt aatgagctta 178260  
 tcctgaaatg aatatggaag aattaacagc taagaacagc caagtcaggt ttaaagaaga 178320  
 acagagctgg gggacttgcc ccatcaaata ataaaacata gtaattacgc aatgcaacat 178380  
 ttaagtgtgg ggatagaaaa atagagaaat ggaaaagaat aggggtccca taaacagaac 178440  
 cattaatata cgaaaaaggt ataaaagggt gatttctctc caagggaac tctcgtacat 178500  
 atgcttcag taaacaagta tagaagtgat cagaacaatg ttactcagaa taagaaaaag 178560  
 cttgaaaaaa tccaaatc catgatggtt aatgaataa taaaatttgg tataattact 178620

tgacaaatat tccaaagctg taaaaaatca atgatccata cgtagattca cacatcaaca 178680  
 tggataactc ttgaaaacaa tgctgagtga tgaaggaaa tcacagaaga aatatattta 178740  
 gtaggatcct attatatata cttcaaaagc aggcaaaacc aaacaatgta tttttaagga 178800  
 tgcctatatg tgtggtaaaa ctttaaggaa aagcaagaaa attcttaata caaaatgaaa 178860  
 attaaagtag taatgtcttc taaggagagg agggagagga aagagacaca gagattctaa 178920  
 cagatcaaga atcatctgtc tctgaaattg gatgttggat tcatcagtgt tattttattt 178980  
 attattctta cttaaaaaat atatgttata ttcactctgg taggtaaaat acatttatct 179040

accagagggt agaaaatc tacacccaaa gctcgtttta agaaaaagaa aaggttattt 179100  
 tcttagtctc ctgcctaaaa gcttctagt gccccctgct gcttacagga caaatctaa 179160  
 cttccagcaa ggcaaaactag aatcttcccc atcagccctc cagttacctt tgcagcttcc 179220  
 tccctgccgc tcacctgcat tctagtga cactgaatta tcagatgccc aagcccatag 179280  
 ctgagctatg tacctgcagc ttctctgcc aggcattgtc tctcctgtc tcaatctggc 179340  
 cagttcttac acttccaaaa tcagcaaaat gccagctcct cagtggagtc ttccctgatt 179400  
 attctgatgg tactctctc ctctgtactt tcacaaagct atatgccaat ttttctattt 179460

atattgtctc cctcctttg cctgtgagat tttttagcc aggagctgtg ttttcagctc 179520  
 agttaacca acatttcccg tgtgttaatt ttagtcatg cactgtgcca ggcactaaat 179580  
 ttaccacgag taagccctac ttctaccct caaacagctt gcaatctagt catagtcatg 179640  
 tcagtgttct tcatgcttat tacaatccct ggcatgttac atatacttaa attatatctg 179700  
 acgaataaat gaacaaatta agagagaaag aataattacc agtttcttat tcaaaaaaa 179760  
 tcttttggca atgaatcatg ctttcaatgg cttttatcca ttatttttta aggtataaa 179820  
 ttgtatatgc ctgtcaaaga ctaaagttaa cctaaggaaa aagcaccaa tgtttatctt 179880

aatgggtgta ttttaattat tctcatagaa ttccagaga caaataaatt taggcaacca 179940  
 attaaaaatc aggttcatta taccacaaa tatcaaaaa taacacaaga caagttgtat 180000  
 taatggaaaa tgtaaatgaa agtatccctt ttgggtctct cccacgtaaa gctgtgtttg 180060

taaactgtgt tacttactgt tcattttcitt taaaaggaaa aaaattccca aggaagattt 180120  
 caaattaagc ctctctttaa aatttttaat ttctaagtag cttcaggcat ctaagtaagc 180180  
 agtcagtcac catatctgcc atttatgaat atgacatgcc aaggaatact ttcaatgatg 180240  
 cattttgcag ataccagctt tcaataaacc aaatacagga cagcaagtaa tgatcatctg 180300

tacaatgtgg ttatgccatc tggatacatc ttcattgttc ccaaactggt ctctatcctt 180360  
 tgggtgggaca aatgtattaa tactagcatt ctcccatata catcttattc tggcctgcct 180420  
 ggggtggttct cactagtccc actgtgatac tataaacagt ggccctctca ataactcca 180480  
 ctctcatgc ccagactctg tggatatgtt gcattacatg gtaaaaagta cgtggcagct 180540  
 gtgattaaat taaggatttc tgatatggac agattatcat tatcccagat tatttgggtg 180600  
 agcccaattc aaccacaagg gtctttataa gacaaagata ggaagatcat tgagtagtag 180660  
 gagatgtgac aatggaagca agaggttgga gtgacatgag taagaggtca caagccaagg 180720

aatgcaggcg gcctctagaa gctgaaaaag tcaaggaaac agattcttcc ttcagagcct 180780  
 ccagaaggaa cttctgact ttcattccagt aagtcagta aaattcattt ccgactcctg 180840  
 atctccagat atgttaagac aataaatttg tgttatttga agccactaaa tgtgtgataa 180900  
 tttgttacag cagcaataga aaactaattc acctactgag taggctttac cctgcttgc 180960  
 attatcttgc tccagcattg ttctaggccc tacataatac tcagtctctc catatttgaa 181020  
 actatcttca tgcctcattg gtaatccttt atactctgat ttgtattaac ctgatacttg 181080  
 tttttcacct gtgacagagg ctattgattg gtcacctaaa gtcattcccc actcattctg 181140

tcttctgtcc tcattctgca gtggctggaa aggcaaacac tttccaatcc ctcttagcaa 181200  
 ctggggatgg caatataacc cagtcttggg aacatgaggc atacatggat gtctgtctggg 181260  
 agaaagaaaa tgtctgagga aaacttttgt ttccctgggtg aaaagggaag ttatcaccga 181320  
 tgttaccatt tctctgtctt cctgctttta atatgagcgt gatggttaga actgcaatag 181380  
 ctgtcacaac catgaggcaa aggtcaagag atccacaacg acatggctct gatactgcta 181440  
 agtactgag ctaaagccat agttgcatac ttctggaaac atccggtttt gtgagaacaa 181500  
 tatttgttta atccactgta gtatggtttg gtgttacctg aagctgcaag tatttctaat 181560

ttaatatact acttttcaaa agttttatat ataggctgag cacagtggct catgcctgta 181620  
 atcccagtac tttaggagge tgaggcagga ggatcatttg ggcccaggag tctgagacca 181680  
 gcctgggcaa catagcaaga tcccatctct gttttaaaaa tttaacatac tatctttctc 181740  
 tggtagcccc cattatacca caagaaactg gaccactgag gcttaagaaa gtatataaca 181800  
 gaattctcca tagcacagtt ataaacattg ctatatatat tttaaaaaga gaaagaggac 181860  
 agagatagag gtaggagaca gaatagggag agaaggaagg aaggaattta aacctgaact 181920

tgagtccttc ttaccaaagc acaaatgaa aaagaaatgc ttaagaatag agtggcatcc 181980  
  
 cccttaattg tctcaatctt atagaattgc atgctataaa tacacactga agaaccgtga 182040  
 tgagaatcag gttgacagtt ccaagcttcc aacgattcct tctaactct tgctcaatgt 182100  
 tttgagtgtc tctaagtctc tccatcacca tttgacacat ttgaatacca aagtagctca 182160  
 aagaattgct aaaagaagct tcattcactg gttccaaata aggtgctcca gggagctgga 182220  
 gaatccacat aataaagttc ccaggacagt catctggatg atggtgagct gtctcatgga 182280  
 aataagtgtc aatgaagaca gacgcttact cttgcaactt tctaaaattc tttctttggt 182340  
 gcttgatca tggattaccc tatgagattt gagatttggt aaatttattt ggtaaatctt 182400  
  
 tcgtgggttaa ggcagagatc ttaaaagggc tttttcatta gtacattcca cttacgatga 182460  
 ctattattat gatgccccag tgcacaaaaa cattcagaag ctgaataaaa caacctgtat 182520  
 caactactta ctccatgtca ggtaaagtgt tagaaactgg ggcaaaggga aaccacagtt 182580  
 cttgtccttg tgaatttcag attcttattc aagtaacaga catgaacaaa taaatatgat 182640  
 atgttaaagg ttacgaaaag ggaattgcaa gttcttttgg aggaacaagg gaatgaatta 182700  
 aaaatatgag gaaaacaact cttttttatc agttgactga ttgatgacca gaccaaggga 182760  
 ggtaacaag aaaaagactc cttgatattt ggtaggtcaa tagagaagga cgtttctcag 182820  
  
 taaagaaaat aacagattgg atggaagtga tggggccagg gaaggagttt aatacatgaa 182880  
 tcacctaaat ccctctacaa ataccaaaaa aatgtttttg atgatgaggc tggggaacga 182940  
 gttaacagct agtagcaaag tcatccaaaa ggtgatggga tgaaaggagg atccagccag 183000  
 atactgttgt gtgaaatcac ctcaaacagt tggcaagcaa ctgggaatgt tgatctacaa 183060  
 gaaaaaagaa aagggaattt tggagaagtt tggcatcact gagcatctct atggcatatc 183120  
 cagggccagg ccactgagca gctctcttgg tttaggggat acaatggaaa tgggggtact 183180  
 gcttattagc cctaaagttt catagaacac tgaacagat ggagactaac atttactgag 183240  
  
 aagatatact gtgtggtcct tacagaagtt aacctattta atcctttcaa cgaccctgtg 183300  
 agatacttaa tagtgatctc aatttagtaa actttagaat atggactttt aaatatactt 183360  
 atatttgagt ctggctcta ttatatattg tttcaacaat ggcatacatt taaaatgtaa 183420  
 ttgaataaag aagtaacctt cccaatgaag catagcgaag ccaaagtagg attaaattct 183480  
 acagctctc aattcacagg caggaatcta ggccttgaa tctgatgcc cccagtgggtg 183540  
 aattctccat tcigtctga actgcatca aaaacattca aactacagct cccactttcc 183600  
 cacatttgtg tcatttctgc atttggattt ctttaggca cccaaaatgt cttgaaataa 183660

ctgttgtaag agagtaaatt ggtgttttct gttttggaag gtggaatagg gcaggcaatt 183720  
 tggcaatgct tatcaaaatt tgaaatgtgc atactctttg tctaacaatc ccactgttat 183780  
 aaacttaacc tgttggttaga caataagagt atgtcctgcc attcattcat tcatgtgtgc 183840  
 atggatgcat atacatagat atgtttatat acatacatca tgcacacatc catagataca 183900  
 tgtatattca tactcacagg gggctaatag gaggcagagt agcacatagc taagaacatg 183960  
 gccctaggag ctaaaactgca tgagttcaaa ttctgattct accactttct aattgtgacc 184020  
 tttggcctac tggaccicta gtctcagttt gatcatcaat aaagtgggga taagaatagc 184080

acctactgca taggtttgtt gaaaggacca aattaattgt acgtgtaaag gacttgggcc 184140  
 agccgctatt aagtattata cacatgctag ctgtttgcat gaatatcaaa cattgtaata 184200  
 gcaaaagaat ctgaaaataa cctaacaatc tgccaacaga atgaattcat gatggtatat 184260  
 ccatataaaa gaaaatgata atgccatcaa agatacttaa attatctaca tgagtggcctt 184320  
 gccagaaga gaatgaaaaa acatttggtt ggcaaataat tctattctgg ggttctctgg 184380  
 agatttcctt cccttcagtt gtctgttagt catttgctga attactacag tactactgta 184440  
 gtctgaagtg gttcagcata gacagaaatg tgagtgtatt tgccatgtgg acataacatc 184500

tttacagacc cacacaggcc ctctcttacc tgctgtttca ctctgaaatt catagctatt 184560  
 atgggaagga aacacgcaaa ccaccttctt ctctctcttg ctttcaatgg actttccaca 184620  
 aaagctgcca aaataatttg ggagaatgca tgttttcttg cctggatctc taatgttagg 184680  
 ccctttgctg taaactctct ttttcacgct ccttgccctg cctgacaggt aaacagcatg 184740  
 agagctcctt ttacagatta ttctgagcac tgcttttaac taacgttact catatgtctc 184800  
 aaaaaaaaaa aaaaaaaaaa aaaaactaga gtattttctaa atcgcaaaca accatacata 184860  
 tgaaattttt aaaaaataga gtaaatgggt aaactagtca agaataaat ttagctgcag 184920

gccagatgat aaaaacatgc cattatttta ttgaagtcgt gccccgagca catcactgag 184980  
 ttgaggaaca cttaggacc taggatggtt tgctggtgag ggggtgcagga aggacaggga 185040  
 atgcaggatg gttccttgac gaccaaacac ctagcccttt atatgcatta agtactcaga 185100  
 ccaatcttat gaacagagca ctgtcatctc catgactag atgaaaacac tgaggtttag 185160  
 gggctctaaa gacttgccct agttttattt acaggaaatg gatacagctt agatttaaaa 185220  
 tccaagctgg cttgttctaa aactaccctg ctctttcttc taaagacaa tatgtacagc 185280  
 taagagttaa ttattagatt tccgtaatgg taaaagctaa atgtaaggat gaaggaacgg 185340

ttctatcaaa aactcctacg gtgctgctgt actcagcaat gctacaaggt gacagatgtt 185400  
 tcataaagtc ctggatgcaa gctgtctagg gaagaagcaa agattacagc caaggcaca 185460  
 tgtcattgag gtattttgct gttggccaaa atgaagtgat gatatttg tgatctaagc 185520

attactgaga ctgacacgga aattcttgtt tacaaggaat aagcctggag accaagaatt 185580  
caactcatct ttctagaaga aaagactaat aggagagaag cccaggatac cactgcaca 185640  
tccaaacacc caacagggtc acagtgttg gttcagccgt gcttgagcct gcttggtgct 185700  
gcccagcctc agaagccctt aaaatagggg ggacatcagg attaggaaaa gtagcaaaaa 185760

gccttggtg ctttcttct gattggacag tagagatctg agcttttacc ccatcttct 185820  
ctgccccac acctcaggct gaagaggga atgaagtcca aagctctctt tatccctctc 185880  
cctcttctg gttaagggtc ccttcttta ccttggtacc agatacatcc ctcttctga 185940  
atgtcttct ctccatttct tgccacaggg aagagatgta tcaatcttctg ctaaaatgtc 186000  
agctaaaaa gaaatatgtt actaacatc tcagggatag ctggaatttc aatggggatt 186060  
catcaacaat ttaagaaaa agcctaaaga caccaaaata atccacatct gatggtagaa 186120  
tttcagatac tctgaaaaag aaactgatga aatataccaa tttttgtagg cacacatggg 186180

cacacataca cacataagaa atacataaag gaaagatcac acacacaaat gtaattacaa 186240  
aagaaagtgt atctggagca cataaatcaa gaagtacata tgtgctctct tgctttggaa 186300  
ggatcaggac ttgggtagca atcacagaca ttctgaagac tattgcttac ctccaaatac 186360  
ccatggcagg tcgggcgggg gtgggtgggc gttggggggg gggggttact ccagtctctt 186420  
atcactccag atagcttggg ccttgagcc caaaagccag tcttctgtca gtgtgcttct 186480  
ctgtgtacac cagggttgca tatecacact cctctgcac ctaagctccc cctggcctga 186540  
agaaaggcct taattccaca gtttcttaga ttctatctaa acttatctaa caaatgttcc 186600

cagtacctga aatatttgtt gaccataaaa ggcctgagag tggtgagag tgggcttggc 186660  
ctagttttta cacagctcag agggatgcta taagatccct gaggttcatt tccacagtcc 186720  
cagcaataca tctgtcttag ctacagtag gccctaaaat tataatttgtt tagtggccct 186780  
gaaccgcttg gccatgacaa gtctggcatc tcaggcaggc tcagaaatat ccatcagccc 186840  
ccagtaagaa cactggtccc agagtggcca gtgccatttt cctgccctc attctgcacc 186900  
aaagtgaaga ggaggacaga atgtgtttgt tcaaaatgct cccagtgtac attcaaaatc 186960  
cagcccctac taagaccctt aggtaaacaa agcagggtt gcagaattct gtgtaggtag 187020

catacctcca ggtgttccct tatccttagc ttgacatctt ttaacagagg ggcaaaagt 187080  
gatttctgtg gccagctggt gactctcaga agactctgta ttcatctccc cacctagact 187140  
gtgagcaact cacaagtac atgccccatg tgcttgctta tgtgaattct gtgacataaa 187200  
aagagccaca ggctgggaat ctggaggctt ctgacctgg tctaaatgcc accaattgaa 187260  
ctctaaagcc agtgacattt agagttagaa gaaactttag agatgactct gttccaacat 187320  
ccacctttta taggtgagga aatggagatg aggagaagtg aggtgcataa cacggttatg 187380

cacttgaccc agcagagtca gaagtaaaat tcaggtcccc taactcacag cctagggctc 187440

tttcactac agcatgtgtt cttcacaggt tggttttctg cagtgcata gagagatgca 187500

ttcctgaacc ggagccacac atgcaactca tccacttgac cctccgatat tccttctctt 187560

ctcttactca aaagaaaatg atgcatttat agattaatgt catagaatct aagttcaaac 187620

actgagtcag tcttgctcac tttctctctc cttccagagc cgttcttgaa cgccatgtgc 187680

aagagaaaac aacagaatga aaattgctca cacggagcat gaggaggctg cccacctccc 187740

tcgcacagcc cgtgtgcaa gacagcccct cagctgtgct gcagacacaa ggtgggtcat 187800

gcttatgttt tattgtgaca gccgacaagc cagctggcac agatcactcc tcatttccaa 187860

cagagacacc accaggacac gtgtaacagg cgccagctgc cactcaagaa gatgggcggc 187920

atccctgctg gccagcaagg tgcagccatg gccccggccc tgagacctgc agccctccac 187980

ataacttccc accagagagc agaactggga ccagtttctg gctggggact gggggaagga 188040

ggcagcagca cattcctgct ggccagggtg ttggggccat ggttagagcc aaaggttgtt 188100

ctaagtctcc ccaagactct gtgttacgtt tggcagaaga atggcagttc cagaagagca 188160

aagaggagaa acaagaggca ataagggtgca tctgaaacaa atgtcaggca ccaccagagc 188220

ggtgggctga acattcaggg atctgacagc ctcaggcaca ggaaaagcct cctgccctcc 188280

aacctgggca ggtccacgtg gattcactgc acatgcagaa gtggtccctt atgcagatag 188340

aggcagggtc tgaggagggg tctggccgcc ccggtcatag gacacaaagg aggctctcaa 188400

gtagtgggg ctttcaatag tccttctctg tccaagttt tcctctgcca aactgctcag 188460

cagagtgtgg agcatgggtt ctctacgtca gcactgttga cattttgggt taaataattc 188520

ttcattgtgg cggggggcca gtatccctgg cctctctca ctagactcta atagcacctt 188580

ccgagtgtg gcaatcaaaa atatctccag ggaatctccc cggggtgggg tgagggcagg 188640

ggtaacaaga tagatagaat agctgtcaat ggagagccac aggtatagag gtcaagagca 188700

caggcttggg tcccagatgg cttggactct tgatccaac tctgccactt actagacata 188760

taaccttggc caagttattc gacctgatgt gcttcagcgt tttcagttgc aatatgggaa 188820

gatgataaca tcaatcactt tacaggacag ttgcaaatat taatttattt cctacaggca 188880

aagccctcag actggcccag agttagcatt cctctccctt ttagaagccc aggaatactc 188940

catatctcca agtcccttac tgcagggtc caggttatgg tctaccactg agaggcatct 189000

gtgtacaaat tggaagcag aagtgaagaa gaagccacaa ttcctctctg gtaatagcag 189060

gcaggaccgt gtgaaagaac agacatgaaa ttgcctcag cttccagact ttcccgtaaa 189120

aatcgctgc ttigtgtica taatggctg agatcatctg tggctcttc ctttgatttc 189180  
 ttagcctcc taatcttcag aaagccagat acagttttcc ctgtcccatg ctccaccagc 189240  
 ctttctaata gttctgtaag gcataatfff actaaatctc tttgtgcatc aaatacctag 189300  
 agtgggtcct gtgttctaca ccaaactctg acgtatgaac ccatgaacct gatggaggtt 189360  
 ccaaagtcct accgttagga aaatgttcct gggagtaac acgcactggt atgtatgtag 189420  
 atacgcatgc atgtgtatgg atgtacttag agtagaacat ttatffffaa aaaattgcaa 189480  
 aagagaaaat aggttaaaat tgagctactc aagatggata ggagctcagc ggggagtga 189540

ggtagatgga ctgaccactc acttacattt taticcccat actttagaa tcctgaggtt 189600  
 ctgaaacacc ctatffgcaa atcccttttag taaaagcaga gtccaaaatg catgccagtt 189660  
 ttatgcatag gaagcgctac agcagatgtt caaataaata acgtgtgcgc agagtacaaa 189720  
 gaggtggca agcagctgct gaggtgtggc actggagaat cgggtttgta agagtcatct 189780  
 gccaggccca ggggagagaa cagggtgagt aagaagcaga gtctctgtcc tcaaggagtt 189840  
 tgtggtaaaa tggaagatga aaacagaagc aaatgaccag aagacaaaga gaacatagaa 189900  
 atgtgttttg ttacgaggca ctcggcattc agtggcctga gtgtcttagg tcctattagc 189960

aaggccttg ggaacagatg ttggactgtg tgggtgtcac ggtaccctca ttgattcaca 190020  
 gagatgtacg ggcagcccat tcacaaaggg tctagaatac aaagctgcct gagctaagac 190080  
 ctggcagccc atctacctgc tgaatagtgg cgaactgccc tggaccttcc gtctctagtc 190140  
 cagctaacct cactgaatag gagggagtgg ccctatgac tttatffttct aattgatttt 190200  
 tggtaaatfa ctttcatctg gccagtttgc tttggtaggc cagacacctt actctgacac 190260  
 ttcatfftca ttgattctca ccttctctga aactctaggt attcatggga aactgggcat 190320  
 atctgtctct aacatffttt tttattgttt tgacataccc gccaaagat tggctctctt 190380

ttccagcact gctffcaaaa gtcagactgc tatggttgag aattctcatt aaaaacgatt 190440  
 actffttggca tcagaagtca gaaaggtgac aggggagggg gaggtattag aggcactgag 190500  
 atctffcttc cgtttgcaga aagccttccc gtaaaacaaa catcatggga agaaagaaaa 190560  
 aaatgtaaaa catacaaaa aacccttctt aactffttct tgtgtattc agagaaattt 190620  
 cttagtata ggggctaaac caccatccca ttacctcttc atacctactc attaggctgc 190680  
 aaacaatgca agtatggggc agtgttttcc atagctcaga tgtctctaca gcaggcacca 190740  
 aaatgcctgg catgagcaac atcaataaat gcctggtgaa taaacaaacc gatgaatttc 190800

tattaggtat tggaagagtg tggftaaaag tagtcaatgt acatfftgaa gaaccaatat 190860  
 agaacatcta gcaaaccaga ttctfftcgg tgatggttat atgtctfftt ttacctgtat 190920  
 caggggaaaa aaatagacct acacacacaa aaaaaacagt caatgatcat ttctaacttc 190980

cttccaataa ttttgtaaag gacactgggc acataaacctt ttccttgggtg ctttttagat 191040  
attcaagcaa tttcttgagg acactgtgat tcatgtttct gttggactag tgtgtaaaaa 191100  
cattcttcca tacatTTTTg tgaaaaccac tatgttcttt tatgagctgc caggaaatgt 191160  
ggggaccggt ggaccctagc caccatctct cttgatcttt gccttctatt tgttcacatc 191220

ttagatcttc acatatctct ggtttctttt ttttcttttt cttttttttt tttttttttt 191280  
tttttgagac agtgttttgc tcttatcatc caggctggag tgcaacggca caatctcagc 191340  
tactgcaac ctcaaccttc tgggttcaag taattctcct gcctcggttt ccagagtagc 191400  
tgggattaca ggtgcccgc accacgcca gctaattttt gtattttaag tagagacggg 191460  
gttttgccat gttggccagg ctggctctaa actcctgacc tcgtgtgac ctcctgcctc 191520  
agcctcccaa agtgctggga ttacaggtgt ccttggtttc ttatatgaa atagagcaaa 191580  
aatgtggtat cctttgggca tcttcagctc tctgtgacag ttagctgtt ggtgatgcct 191640

gtaaggaaat ttgggttctc tgggtggcccg tgacatcca catcccaac ctcccaaaa 191700  
ccagtgcac cacttccag aggaagagcc actacagacg ttaagcagct taaagactta 191760  
cgtgacagac ttttagacag cctatgagct taaatactgc ttccatagca aactctctgt 191820  
cttcttgta tattttcttt tttaaagggt tgttgtgact ttatttcca atatccaagg 191880  
aagctgtaat aattatgta agattcaagg tatactttct tatgatataa tcaattgtct 191940  
gtccttggag attcattgtt tcattctata tgactgtagc atttaaagaa gttaatatga 192000  
ataaaagact aatctgcata cacatctata ctttatagc ctgcatacag ggcctagcac 192060

agagcaggac ttcactaagt gttcatttgg ctctctatc aaatgtagaa cacaggaggg 192120  
ctcaagagat actattattg gcttaagtta ttctctgggt agaaagtact aggccacctt 192180  
ttcttcactt ttccagttag tgcctgatct ttcatggca agaggaagtc ttgagttaat 192240  
agagtctgag gggcagaact cctccatgaa ttagtattgt cacaggcagg ctaggttaga 192300  
gataaaatct ggatgatcca actgtgaagg gacgaggcaa agcacatgaa cattaagtcc 192360  
aggtagcact tgtcaggaat tgagagaggc taggcccttc atgtacagtt gggcaggttg 192420  
tatttcagca caagaatgct caaatcccaa agacagggga gtgcctttta cttcttcatg 192480

caatggtacc acgtggctca ccgtgattct gagagagcct tgaaaaatga aaggcagaca 192540  
aattgcagaa gaggttcac atgtggccca agaatacaga taaccgcat gaactcaaca 192600  
ttttctctca gccagtaagc ttgatactt gcctttctgg tggcaaaacc aatggctgga 192660  
tttggcctca atgaaacct caaggtttct aaaaccagtg tggagagaat ggggccttga 192720  
atatgggaga aaagaactgc agaaggttaa gtcacagaat cagaaaaactg agaagtggcc 192780  
ttagaaattg tactgggcta aatggtgtcc accccctccc taccatgcc aaagtcatg 192840

tctactgggg acatcagaat ttgaccctat ttagaaatag agtctctgca gatgtaatca 192900

gttaagagga ggtcatattg aagtaggggtg ggcccttaat gcaaaatgaa tgggtgtttt 192960

ataagaagag gagagacaca aagacataca gaggaaagat ggccatgtga aaatgcaggc 193020

agaaattgga gtgatgtagc tacaagccaa gaaatgccaa gaattgccag caatgattag 193080

aagctaggaa gaggcaagga aagatttttc cttagagcca tcaatgtaag catggccctg 193140

cccatgaact tgattgaaaa cttctagcct gtgaactgaa agagaataga tttgttttaa 193200

gccaccaat ttggggctact ttgttagggc agccacagga aactagtaca gaaatcacct 193260

cgtccaatgc cttcaaagtg cagatgtaca cactcacacc tggagagact tgaatggctt 193320

acccaatgtc acagggctga atactggcag agctaggaca attcaacat tcactcactg 193380

gttttttcat tcctttcgac attcactgag ctctttctga ggtcactgcg ccagactctg 193440

gaaatgatta aagaacacta agacagaccc ttcccttcat ggaactttca ttctaaaaga 193500

attgatagat aataaacat tatttacaca accaaatatt taactgctag taaagtgaag 193560

gctatagaga aaacatagtg tccaataaga gcacatgtgg atttgaccta acctgaggat 193620

tagataaagt gtccatgaga aagtgcatt tgaaggaaa tctgaaagat atattagaat 193680

tagctgacca tggcatggaa ggccgtgtgt gcagggatgt gaggaagggg gtgtttgagg 193740

ggataaattg gtagcattag agaattgcc aggtaaagag tctaacctc tcctcaatct 193800

tctttcttct acactgcctt tcctggaaac gcataccaaa gtaagacaat gtcattggtt 193860

tttcacaaaa tgtaatatg agtttacctg taaaatattt acagtctaaa aaagacagag 193920

gaaactctca ttgcagcat gcacagaact atgtctaccc tagaaatatt ataacatgct 193980

atctgaaaac tticaccttt catgaagctg agaacacct ctccatcct cccatcccaa 194040

atatgaagtt atatctatct tgtctacaaa agaagttcaa caacaataat agggattttc 194100

cagccaagtg tgggtgctca cgcccgtaat ccagcactt tgggaggctg tggcagggtg 194160

atcacctgag gtcaggagtc tgagaccagc ctggccaaca aggtgaaacc ccatctctac 194220

taaaaataca aagtattagt cgagagtggg ggcgggcgcc tgtaatccca gctacttggg 194280

aggctgaggc aggagaactg cttgaaccca gaaggcggag gttgcagtga gctgagatca 194340

cgccattgca ctttagcctg agtgacagag cgagactctg tctcaaaaaa aaaaaaaaaa 194400

aaaaaaaaa ttttctcca caacaaccgt cataaccaac ctggccgtca taaataggaa 194460

tttggtaaat acigtatagc taataaattg tctcaattat acatgcctgt ggaattcaaa 194520

ggttgtttgt ggaaggctat taagcgtata gtactattac aactgtccta cacacagtat 194580

ttcttctctg cataagtcac caaatggtaa tccaaaatgg gtcattgttt ccactccaag 194640  
 ttcattacat tcaaagtaaa ctgagttagt gaatgactgg ctaatcccaa acaccctca 194700  
 cccagaaagt caatggccac atagcactgt catctcataa aaagccttgg acatctgaag 194760  
 ctctattata tggagtctaa ccatgaagtc aggaagactc caaaactact gaaattccct 194820  
 ttgtttctta aaacgagctc ctggccaagc tgtcttattt tctttccata gtgggacctt 194880  
 aagttttgtg attcctttac tttctcattt ctattctaca ttttaagtaaa taagaagaat 194940  
 tatacatttc taaacagaac aaagggactt gatgagctcg acataatata tcaattcaga 195000  
  
 aatgccaatg gggcatttca gaagatttca tgtgaggtga cagagaggtt ccccaatgct 195060  
 gaaaaacaat gcaactcctc tgccttgaga tttctgagct tgtttgcaat aactgccttt 195120  
 gccactcat gccatctcat tcagggaagg ctctgatgtc tttccacaat tgctctgctc 195180  
 tgatgtggac ttgaaaacac tctccacat ggatgcacta aatcaccag cattaaatga 195240  
 gacatctaag gattctgcca ctacacaaat ctgtcagggt tttcagctc ttttaggact 195300  
 ccattgttgg gcaaagccac tacaatccta ttaccagctg gcatatgac agatgataac 195360  
 taaagtgaac acaaacactt aaacggcaca aggaactgct gaggtctcac tcttgggtaa 195420  
  
 cgagcccaa gagattttct gacacccgat ccacaagccg aacaatcaca ttgcaaatg 195480  
 ctttcaatgt ccaggaacaa ccattcaatc ggccatcatg tgctgtcat ctggctcctga 195540  
 tgcttctga gaagggcagt ttggccttta tttctgcaa acctttctct ttcagaaacc 195600  
 actacatttt tctagacttc tcccaccac actgccacc agatatctgc aaaggtcagt 195660  
 tcttactaca gactggcttt gtatatgact ctgtacgttg gctaggcatt ttttaggtg 195720  
 aagagagatg ctggtttagt tctagacaaa taactataat tagtcagagt ggtttaactg 195780  
 ttcattgact agtctatct ctgcagcagg aatagcaagc agcatgtcct tcttcaacca 195840  
  
 acacaagatg taatttgggt gctgaatgca aaagatacaa agtagacaaa agatacactg 195900  
 tccaagaagt tggcaatctg ttgaagcttg cgtgcacaca cacacacaca tgagcgcgcg 195960  
 taatacaagg cagtatacaa atgtcatatg agggatagaa accaggcaaa cataagcaac 196020  
 tggagaaggg agacatctct ctttgagcag aagtagtctt agaagtcttc ccagagtaga 196080  
 gatgatcaga gagaggctgt gaaaggtggc gagggtttag acacacagtt aagtttgttg 196140  
 ggattttcag gaggagaaga gtcacagaca aagatagaac ccaggatgca tagcctggta 196200  
 tcagagtgtt ggtagagaaa tccaagaatg tgcaggggat atacccctcc taaaaatata 196260  
  
 tgcttccaaa gtggtagttt ttcaacaata ttgaaggacg ggcactaagt ctctgatgaa 196320  
 aagaattcag cagaagctgt gtgattgcaa aggtcagtca gttcagtatg taattggaat 196380  
 atgggcagca ggactgtgag atgaattgac cacgtgatt gaaactaatg tctttttaat 196440

atggcaactt ccctaccagc caagggggca ggccttgtcc caaggcccag ccccttactg 196500  
 gggaacctac ttctaataaa acacaactac atctcagtgc tgtgataatc ctcataaaca 196560  
 cgtgcatttt cgaatcttgg attgaaagag agacaaaact cttccgataa aggaatcaca 196620  
 attataaagt catctgaaaa ggaaggcagg aagaaaggaa aggaggtagg aaaactgaaa 196680

tcaacttgac tgcttgctag gcctttgtca catctcaca ggaggagaac tgaatataaa 196740  
 atgagcaatt agggtagagt ttagaataaa cttctaggct ctgcttcttt atcctctctc 196800  
 cttggttaca caggactggc tctggcagcc tcggggcagg gatgcacata tctgtcccca 196860  
 gaaccacag ctgaaagaga agtcactaag gaagaaagca agatgaatta cttctcttgc 196920  
 tggttgtttc ccataaacta aaggaacact tggggtgtac ttttcaagtc attgtttatc 196980  
 atctttggaa ttaaattaac cctgttaaac agaagaaaag gtaaggggct tcacaggttc 197040  
 ttggctatca ctgggatctt gactgggggtt agtgggtttc aagaaggga aagctgcgga 197100

gggtgacaca gtagtatttc caaatcaaag gagcaatggt tctcaactgc gttccaccta 197160  
 aactctgaga tatgatagtc ccttaggaac agctttgtca gtgatgccca atcccctgga 197220  
 aggcaggtat acacacttgg aaaaagaaaag tttcccagtc gattctgac catgccctt 197280  
 gggaatcact gcaatggagg gaaagaatat aaatggggac aagctaata gaccagtttt 197340  
 ccctgactag aaaagaaaga tcctgtgttc tcgcttagaa aagcaagtgt gaataatctt 197400  
 tgaatgtgac aggtgaggt tcaaatcca ggtattttac tctgtgtgcc ccctctgggt 197460  
 ctcgaagtcc tattaaggca tgaggtaca gcagtcactt cacgcagggc tggtagggg 197520

caagaagtg acgtgagtc agcacctggc acagtgtcat taagcaggaa gttgatgaac 197580  
 actagttaa tccatttgat gcgggatgaa ggtgggggtt aggaattaga tgaaaatata 197640  
 aagaatgttc actctttgga acattaaagc ttgataacaa aagatggaag ttcttatgga 197700  
 atggcgttta aagtttaaac ggtgtcttca tctttgtgac tcctttgtcc ctcacaatca 197760  
 tcctcgagga tcattagaag gtaatggtgg ccagagggt taagtcattt gcctgacatc 197820  
 acagagccag caaagaaata cagaggtagg aatagacacc acatgtagat ctgtgattat 197880  
 atcacacagc ctactgttt ggcagctgta ccaccacta tgtatatttt ttcagcactc 197940

acaccataaa tatgtcact tagcaaatat gtattgagt cctactatgt gccacttgca 198000  
 ctgtcagtga acaatgcagc gaagacttct gctctcagag agggcagtg agaggaaagg 198060  
 caggggaaat caacaacagg caggagacat agtaaataag taaagcctat agcatgctac 198120  
 acacagataa gtgctatgga ggaaaagaaa agaaaaatta gagtagggta agggagatcg 198180  
 acaatgtgag actcatggga agatgccagc tgcaatttta tttttatttt tatttattta 198240  
 cttttagaga cagtgtctca ctctgttgcc caggctagag tgcagtgggg caatcacagc 198300

tcaactgtaac ctcgaaatcc tgggttcaag caatcctcct gcctcaggcc accacgagtc 198360  
  
 cccacacaagt agcaacgact acaggtgcat gccacttaaa aaattagcat ctggctaaca 198420  
 tataaat tttttagag acgggggtatt gttatgttac acaggctggt cctgaactcc 198480  
 tggcctcaag tgatccacct cctcccaaag cactgggatt acaggcatga gccactgcac 198540  
 ctacgtaca attttaata caatgttaac agtagacctt atggagaagg tgacgtctga 198600  
 gaaaagcctt gaaggaggtg agagagtcag aaagtgggta acaggagaag agagttcaaa 198660  
 gcaaaggga cagcccatgc aaggaagcta agtcaggggc attcctcctg gtgtgcagca 198720  
 ggaacagctg ccttgtggt aggaatggct gtaaaagggg agggtaactt aagggaagt 198780  
  
 tctgtttgtt ttgttttttt tgttttgtt tgttttgtt ttttcttaag actggtgcaa 198840  
 aaaaggcttg ggtgctgtga gcacactgcc actcttcctg gcagagatgt gggttgtcaa 198900  
 ggccctctc aaaccaagca tgctgttcat tgagtgttg cgtttacatc gtacccaaac 198960  
 acctggtcaa ttgaaaaaa ttccaccaac ccttttgcct agtataagag catgatgtgt 199020  
 ttttcatcct ttcaaccagt taggttggct ttatgtgcaa tctaagagc ataaaccaca 199080  
 tacttatgca gtgacatgga ttctgtcatc aggcctttca cctttgttct aatcttgaga 199140  
 tgtaacagat ttgcagtaa aagcctgagc ttccagctat gagatgcatt ttagacttct 199200  
  
 cccaattatt tacacgggtg cagattataa atgtctgata ctacaagaat tagtgtcgag 199260  
 ctgcaagaac aaagcaata attaccagca gcacacatgg aggactgtgt ttcaaattct 199320  
 ctcttgctgc caccctgacg taagcaaatg atactggctg tgtatctcct gatcacagcc 199380  
 acagtaacac tcaccacaaa tcaacttcca cctgcacaca gttccaaaaa tagagcagca 199440  
 cagagacttc taigcgctag agaaagtagt cggctcttagg gattgaaaaa gacacagttc 199500  
 agatgcagga ctgttcaag actaacagga actgagcatc tgcagttctt ggataagtcc 199560  
 ctcaaagagc tcagaaagtc tctgaaactg tcacctcagc attttactac atcatacaaa 199620  
  
 gtgtatatac tatagtatgc tataatatct gtacatgtat atgtatatgt atatgtatat 199680  
 gtgtatacac actatatgac actacattag agataaaaac caactttgga ggatggttca 199740  
 aaccacataa tggggctat caaagaacaa acctgaatca ataattcata ttcattttta 199800  
 aatgatttat aacattttat atgtggtttt gatgcaactg aataagagat ttctcatggt 199860  
 cctttgcaaa acctatccta atcaaaacta gctaactaat gtttagttta ataagttaat 199920  
 gccaccatca ggiagagaca agattgtatc ctatacacag caaatcatca cagaatcagg 199980  
 caatctgtag cttcatactt gcttgatatg tggttaacttc aaggcttggg taaattctct 200040

ttattttgtg ctttacaat ataagcatcc attgtacatt agtcagcttt cctattcaac 200100  
 agttgaacac tggtagaacc tcattttcaa ttaataaac attgcactta acagaatgag 200160  
 gttactgcc cgttctcc tgggatacct tggggcttag agactttcct tgagctagct 200220  
 ctaagaagta tccaggtatt ctgtcagaaa caagctgcaa aaacacttgc caagcttctc 200280  
 gaaattttcc cagcatgtga ccagctgggc ttcaccaggg gaattcaca agcaatagtt 200340  
 ttttcagttt atcgggcaca acatatctct aacatttgaa gctccccag cggttatttg 200400  
 ggtaccctcc ttagccaaag agtagaaacc agacacacac agtcacaaac aaaacatgtt 200460

aaatagcggc tcggttagtg tgtttgtttg tttttagtct ccaaagcact taggcacttc 200520  
 tcagatgggt taatcaaac cctccctaaa tataagacag gtggtgacaa cttaatgtct 200580  
 aaagacttgc tatgcctagg catttgttta ggaccattag atagaatttc tcatttaatt 200640  
 cttacagcag cctgctaaaa tgtcagccca ctaatatcat ccctatttca caggtaagca 200700  
 aaaagaggcc ttagagagat taagcagctg atgcacactg catggctagg aaatgctaca 200760  
 gcttacatct caggctctgc gcttggtttg atacctgat gattataatt cactccattc 200820  
 atattttagg ttttccccct ttttaagagc atattttata aaagcacatt ttcagcatgc 200880

gtttttaatg gaaaaatcct tatccagtcc ccaacctggg tctatccatt tatgcaaaaa 200940  
 atattaaact ttctaaaatg caaatatgta tgcactgctt ggtggctgga tttagcaaaa 201000  
 atgcctgtc ctgattccct aaaaagttaa acataagcct accctatgac ccagecatct 201060  
 cattcctagt aatttgcccc agagaaatgc aaacatctgt ccacagttag acttgtaaac 201120  
 aagtgttcat ggacttctta ttcacaatag tcaaaaactg gaaacggtcc cacaggaag 201180  
 tggataaaca aaatacagta tgcattccac cagtgaaca gtattccaca aggtaaagaa 201240  
 atgagctact gatacatgca acaacatgga tgaatatccc aaggtagta cggtagtgaa 201300

agaaaccaga cacaagaaag tatacactat atgataccat ttattctaga aaatgcaaac 201360  
 taatctacag tgacaaaacc cagatcagcg gctgtctggg gccaggggct gaaagaagac 201420  
 tggataaaaa agagacatga ggcaactttg gaggtgataa aaatgctctc tctgttgtct 201480  
 tgtttatggt ggtgatttca cggaggtaca cagctgcaaa tccattgca ttctctctct 201540  
 aaaagaatgt aatttactat acacagataa aacttcaaca tatttgaaaa caaattatat 201600  
 aggtttgtac gcatttacat attgaactcc agtgatcaaa tcttttttaa aaatatactt 201660  
 aaaaattttt ttaagtggcc agtccttacc cagtgtaca catggtttga gctatctgca 201720

ttatctgttt tagattctaa gttcctggta ctcaagaaca aattttcctt tttagttaa 201780  
 gtctgtgca gtaccaaca cagcattagg cagggaagt attcagaaaa tttaacaaa 201840  
 acccattct gctatttttt attgttttcc aaagaaacc ttggaacaca atctagagt 201900

agcctgctag ctggccatc agaccccaaa aaagtgtcat caaggaaatg ttgcttttg 201960  
 ttcctaaaca tataaagatt gccaaaaact ccagacgggtg ggtgaaaaat cacctgcaag 202020  
 aaagtctcag aacttttcca aaatcctttt cgtgttaaga gacgtgttag attttgtggc 202080  
 ccacagagcg agcattgctt ctgaaagcca agtgcaatcc tgtgtgcttg aactttcagg 202140  
  
 ttttctacaa gacaaaggat aaggggaaag aaggtgtcaa cacagagctc atcccacaag 202200  
 aggtcagaga ccagcaagaa ttagcagctc taggtttgct cccatctcct ctccttcctg 202260  
 ttgcaatgag acagaagcct ttatccatgt gactgagggt gctggttcac aaactttgtt 202320  
 actgaccctc aattaggtaa gtacagaaac tgagtgttta aaaactcata cagcattttg 202380  
 actttgctgt gatcgggtgc ctcaatgctc gttaaacagg gtataggctg gatccagggt 202440  
 tgtcaaaaaa ggggtggtgaa tctagtcatg aagagtaaga ccatgtttca ttcatagagg 202500  
 ataaaattaa gaaggaaaaa caaaaaaaaa caaaaaaaaa aatacagtgg tcctcctcca 202560  
  
 caggtgggtt gagaggcaga gttgtatagt gctgcttagt ccatgaaagt taatttttcc 202620  
 caaagtgata atgccaagag ccagagcgag gcaattctct aatagccagt caaatccatg 202680  
 caacccccca gtctgtctgc aggtgttcag accgagactg tacagtgaat taaataaacc 202740  
 ttctcaaaaa ggaagtttat ccaaagtgtc gtgtttccat tctaattagc atcacggctg 202800  
 tacgagctgc aaatacggct gtcatcacat caagaatcaa aatgaaggtc atgataatga 202860  
 ctgtgtggat agaattttat attttttttc tgcattccctg taggaacaca cttattcttg 202920  
 aatcagcccc attagttttt ggagcagcca aggtagcaga cacagatggg gctgctccat 202980  
  
 gtggccactg cttaaactca attagggcag aactaaatga agcccaggaa actcagtctc 203040  
 ttcatctctc ctgtttttca caatgattta ctggtgggaa gctcagagtg tatgatagat 203100  
 aggttgccctc gcataacata gggagtgcac gggaggaggt ctgctcttcc tgattgctga 203160  
 taaaactgta ccgattcaca gggcaaagac agaggccagg acttttaaga ttacaggcaa 203220  
 gatttactta attcttcttc ttctgtataa cagctcaatt gtcacaatct ttcccaactt 203280  
 caccgattag attgcttctt cctgtttatc acagatatga ccaatttaga tctgtgattc 203340  
 ttagattggt atccatctcc cctacagttc agtaatctcc acagggcagt aatcatgcct 203400  
  
 gtcgtgttca tcaactgac cctagcactt aagcacagtg aggagtaata gaacatactc 203460  
 aaggctaggc acggtggctc atgctgttaa tcccagcact ttgggaggcc gaagcgggca 203520  
 gatcaccttg aggtcaggag ttccgagacca gcctgggtcaa aatggcgaga ccccatctc 203580  
 tactaaaaat acaaaaaatt agccaagcgt ggtggtgcac acctgtaatc ctgctactc 203640  
 gggaggctga ggcaggagaa tcaattgaat ccaggaggca gacgttgtag tgagccaaga 203700  
 tggcggcact gcactccaac ctaggcaaca gtgagactcc gtctcaaaaa aaaaagaaaa 203760

gaaaagaacg tactcaaata aacatgtgct gaaataaagg atgagcaaat ggatggacgg 203820

aaaaataaag cctctagata tcagaccata tatacaacgc tttagaccctt ggttggttta 203880

tttgtttgct tgtttgtttt ttgagactga gtctccctct gtggccaggc tggagtgggg 203940

tggcgtgac ttggctcacc gcaacctccg actccctggt gcaagcgatt ctctgcctc 204000

agcctccga gtagctggga ttacaggcac ccaccacat gcctggctaa tttttgtatt 204060

tttagtagag acggggtttc accatgtttg ccaggagggt ctgcgtctcc tgacctgtg 204120

atccgccgt ctgacctcc caaatgctg ggattacagg tgtgagccac tgtgcctggc 204180

ctggcccatg ttttagatca catgataga ttaatcatga gtctcacata attattaaaa 204240

attttaagga cagaggatag gccacagagg tcttattatc aactcaaaag aaaatattca 204300

taagaattca ggggtaagaa atatactaac agtatttaaa tcatggtttt tgcccatggg 204360

gagttttata aatgaaatag ctctcttttc tggaaataac aatagattat tgagaaataa 204420

tagagaaaga gacctgggtt attctgtatt ataattagga caaatgcta caggtaatgt 204480

ttaaaagtag aagtcattgat aggggaagaac aaatttgcta acataatcta tgctttgagt 204540

ctaatacataa tcctacaac attaacatta ttaattataa atagtaaaaa acctgagact 204600

atatgattag tctacaaagg ctttcttcca acatcaagat tataaatgca caggatttca 204660

atcaaagagg cctcaacac tccagtggct atctcagttt tagttgaaga gagtggattt 204720

accacgtag tatttactga gaaacagtgt cattagacag actacagacc agtctcaatc 204780

atcaagtcat ataaacatag gtccattaat ttttcctag caaacacaaa ttatttttat 204840

cattgtacta tctgaataat aatgcttttc tgttatcatg aagcaacaat gcctacaatg 204900

agtttcatta acatgcactg aagtatgaaa gctcaacaaa agcataaaaa tctatgtact 204960

ttaaacttta ttgttctcca ttttccaaaa agcatttgag atgacccaaa aaggaggaaa 205020

aaaatctatc tatctatcta tctaagtata catatatgag acagaaggaa aaaaattcat 205080

ctgcatacat aatgcagttc aaaataaagt aattcaataa aacacagatc attttgtgat 205140

aaataatata ctctaaacc taactagtag atattttgac atctcttttc tttaagcata 205200

tttattggac tatttttaag atatgcatta aagcacttct accaatatca ttttatccat 205260

tcaaattatc aggggaaaaa gaggtaaaag tgataaaatt aacttctatt ggccaaacac 205320

tgtaaatatg atctcattta atctcacaa tatctttca aggtcgtgtt actctcttat 205380

agatgaaaag agagaaacaa agataaaact tacacacctg agaggagggtg gggctgaagt 205440

caaacctaag actgtctgac actaaattcc atggagtctc atgatttaag gccacatgtg 205500

ggagagggag aaggagaggg agagagcaat ggggatcctt tacatgtcaa ccctgcccc 205560  
 tctttctctc agcaataaat gtgagccaaa cctttggaca caaacacaac ctgaccgact 205620  
 gcagtgtaat cagttccact cacacagtag ttaacaatcc actgggatgc aatgttagca 205680  
 acctggctaa aagtacacat ttatttaact gaacaacgct tagccatttc agcgtcacta 205740  
 caatgactgc agaagattct gaaagatcca tccaaccagg tctttaaggc acaagaagac 205800  
 aatgtaattc acaaacagtg taatttagca attattcaca gcaggagttt tgctaaaata 205860  
 gttcacaatt ggacatacta ggatgctttt ctatttccca gatttggtaa aggacaatca 205920  
  
 gttcatttga ggactgaaac attttcaaaa tgcactgtaa aattagacat attcactccc 205980  
 cccacctcat ctaggtttga ggctcttttt ttctccaat tctattgttc agttaatctg 206040  
 tgcattgatg ccagaatatt ctaatttaaa tctgagcctg gaacatgcta tattttgttt 206100  
 ctactgtcaa gagtgtgaat gccataata acatgtactg tgcctgttct ctgttcctaa 206160  
 acagtctgat aagctcatac tgaaatcatt tcagcaatca catttgacag ctctctagaa 206220  
 tcctgttcta tccagcctcc taaccagtcc attatttctg ccagtttcca ggcagacgag 206280  
 gcattcagac acctgtctct aaatgagaac agacagcccc ggcggaaccc tcgtaggaga 206340  
  
 ggtacgctcc agctaatagg ccatcaatct gtcagtggct cttaaacccc ctacgctttg 206400  
 tccagctgaa ggccagctca gaggctcgat caaggtagaa cccagtgggt gagagtcacg 206460  
 tcaagtcatt tccaagagac ctgtatgcaa agttgtatgc tagaccaaac cagcgcaacc 206520  
 cggatccact acagcggcag catagtactt atcttctgt aactcattca tcctttaaat 206580  
 aaatagtaat tgaacatcaa ccaggtcaca aagacaccac gtgcataga gaattttgaa 206640  
 gctagacaac ttctagggtc catttctgac tccaatgcac atataggagc ctacgtatct 206700  
 taaattttct gggcctcagt ttctccatct gcaagatggg gataacatac atcatttcgc 206760  
  
 aggactgctg tgaagatcaa atgagatcat gcattttgta agacatctag cataatgcat 206820  
 tacttcataa agagctactt aatgaaaaac caattatctt gtttccttct ctcttggga 206880  
 ccaaaggatt tccattttc tcaaatcacg cagcctttat attaaatca agagcatata 206940  
 ggacactgag aaggaaatag ggcttttctc ttttcatttt tcagtaaaat ggttattgag 207000  
 glataacatt catatagaaa agagtataaa tcataaagg aaagctcact gaattttcac 207060  
 aaagtgcac acctgtgtag cctagatcaa aaaacaaaac aatagccttc caggagcccc 207120  
 ttgtgcccaa ttccagccat ttttcccaa tgctaattcc ttaactgaat cccaacacta 207180  
  
 tagatcattt tttctgctt ttgaattgag taagatttta attagatctg cacatacaag 207240  
 tggcaaatgg aaatacagaa ctttttataat ggatttttag ctaatgagct aagtcaaaga 207300  
 gataataagc cataaaaaga aatacataca ttgatagcag tgaagataat aaaggtaata 207360

aatgttgcca ggactgttag gttccctccc ttctcttatt ccttatgcaa acactgttga 207420  
acaagcagag aaatcttaca cattcagggtg gtaagataca ttatatgtgc tgtctgtgtg 207480  
gtccttgatt gagaagtaga catactactc caagatgatg atgaagaagg aggtgtatit 207540  
tgtagaaaga agaaaaaag atctaattct aaaagtagtt tccattaccc aagcttaaaa 207600

cacaaaccag taatttcctc caaaatacat ttaagtctta ctgatagcct cctcaatacc 207660  
ttaaaaaacta cctgtgaaac ccttggaatc cttagaaaac aaactttgga aactctcatc 207720  
tagtcaaattg taacaatatt tgcccttcag gattagaaat tccagcagac cttttccccc 207780  
cgagacaaaa atgtgtgctc cccatcattt ttaaaaaatg tttgtgggtt catagtaggt 207840  
gtatatatit atggggatca tgagatgcgt tgatacaggg atgtaataa aaataagcac 207900  
atcatggaaa atgtgttatc cgtccctta agcatttatc cttcgagtta caaataatcc 207960  
aattaaactt atttaaaaat gtacaattaa attattgact atggtgacac cgtggtgcca 208020

ttgaatagta ggctttatgc attctttcta tttttttgga cccactaacc atccctgcct 208080  
gtcccccctc caagcccccc accacccttc tcagcctatg gtaaccatcc ttctattctc 208140  
catttccatg ggctcaattg tattgatttt tagatccac aaataagtca gaacatgtgg 208200  
catttgcctt tcgtgcctg gcttatttca cttagcataa tggctcctcag ttccatctat 208260  
gttgatgcaa atgactggat ctcatcttt tttataggac attgtgtata tataccacat 208320  
tttttaatec attcatcgt tgatggacac tttggttgct tccaaatctt agctactgta 208380  
aacagtgcgt caacaaacat aggagtgcag atatctcttc aataactga ttccctttct 208440

tttaggtata tccagcagtg ggattgatag ctggatctta cggtggtca atttttgttt 208500  
ttttgaggaa tctccaaact gttctccaca gtggctgtac taatttacat ttccaccaac 208560  
agtgtatgaa ggccctttt tctccacatc ctactagaa tttgttattg cctgtctttt 208620  
ggatataagc cattttaact atggtgagat gatatgcct cgtagtittg atttgcatit 208680  
ctctgctgat cagtgtgtt gagcaccttt tcatatgcct gtttgccatt tgtatgtctt 208740  
cttttgagaa ctgtctatc aaatatitg cccaattttt tgactggatt attagatttt 208800  
tttctagag ttatttgagt tccttatata ttctggtagt taatcccttg tcaaatgggt 208860

agtttgaaaa tattttctcc cattctgtga gttgtctctt cactttgtcg gtcgtatac 208920  
agaagctttt taacttgatg tgatctcatt tgccatctt tgctttggtt gcctgtgttt 208980  
tgtgggttac tgctcaagaa atctctgcca agaccaatgt cctggagact ttccccatg 209040  
ttttcttgta gtagtttcac agtttaaggt cctagattta agtctttaag ccattttgaa 209100  
tttttagac aggggtcaac ttctattctt ctgcgtatgg gtatccagtt ttccaagcac 209160  
catttatgta agagaatgtc tgtttcccag cgtgttcttg gcacctttga cccatccct 209220

cttgatggca tgactggaac ttcacataac tcgctgagag gtcaacaaag agtacaggac 209280

accaggatga agccagaaat gctgacttat ctgcttttca aatattctac aatgtaatga 209340

atcttagtca ctaacactgt agcatcatgt gctgacatta tcaaaagctg ctcaaaaaga 209400

tgctcggcat cattagtcac taggaaaatc caaatcaaag ccacaataaa taacacaacc 209460

accaggatgg ctacaaaaa aatggaaaat aacaagtgtt ggccaggaag tggagaaatt 209520

tgaacattcg tgcactgctg gtaggaatgt aaaatggtgc agctgctgtg gaaaacagtt 209580

tggcagttct tcaaaaagtt aaatagaatt actatatgac ccgacaattc tactcctaga 209640

tgttatacc aaaagaattg aaaatggtac tcaacaaat acgtcacagc agtactattt 209700

acaatagtca aaaggtggaa ataacccaaa ttccatcaa cagatgaatg aataggtaaa 209760

caaaatgtga catgtacatg caatggaata ttattcagct ataaaaatg aatgaggcac 209820

tgatacatac tgcaatgtgg atgaaccttg aatacatgct aagtggaga agccagacac 209880

aaaaggtcgt ataatatatg attccattta tgtgaaatgc ccagattatg caagtacata 209940

gagacaaaaa gcagattagt agttgcctgt ggctgagagg aggtagaag ggagaactac 210000

cgattgatgg gtagatttat cttagggcga tgataatgtt tcaaaacttg atataagtga 210060

tggttgcaca acattgcaaa tgtactgaat accaccaaac tacagactta aaaatgatta 210120

attttatgcc atgcacattt cacttccatt cttaaaatgt cgagaaagat aaacaaaaac 210180

caaaaagatg gggaaaaaga cactgctcat aggtaccaa ggaaaaaat actcctaaaa 210240

gtataaaggt gatgatggaa cagtcaagca attcaactga gaggtcaatt agaaattgtt 210300

ccaatggttc tagtccctct ctctttggcg atacaataaa ggttcttttt aaatcctctt 210360

ctttaataa ctcttttta acccgcatit ttcatgcc atatatagc ggcaggagc 210420

ctagactctg gtagccagg aaagacctag cagatagcaa gacttagac agataggagg 210480

ttaagttgag caaatcaaa ggagcccagg aggtcctttt agcctaggca gtagggtac 210540

agggatcagg aggtcagaca aaggcagcct gagcagcct gcagagcaag ggacaccaag 210600

tgagaccac cgtcaggcag atctaagtgc cttcagtcct gtgcagactg cctgatgtat 210660

ggatgtggaa accctgaaac cacagacgtt cactacacac aggaggaggt ttcaaaagt 210720

caggtgaaca ttaaggcag agcaagagg gctggtttca gcggaatacc cttcattcct 210780

tcccaagttt cttagaattg gctctaaaat ctgcattcca gctaggaact ttggtcctta 210840

gcagcgtaat caccaagaac caactttcac agaagtctat aaaaattaca aaatgcaaaa 210900

gcataatc tcaactttct ctgcatagaa tgcttttttt tcaaaatttt atatttttat 210960

atatttttaa aaatcttatt tttaaaagaa gttgtcagct gacaaatata tttagagatg 211020  
gcagaatggc tcataaaaca aactgaaggc gtagagctat atatcatgta gcagcctaac 211080  
aaatttgagt atttctaagtg tgcaacaagg aaaacatacg caacgtgtca agtgacaaag 211140  
gaataaagca cticactcaa gttagacatg ctccaacatt ttccagcccg gggcaagtat 211200  
atggaagccc atatacccta tgccatgagg tttctgctta ccacatcaa cttctgtcac 211260  
caggatgccc ctgccccac tgccaatagc attctccttt taagtcttc aaggaacctg 211320  
aggctggaat gccaaagtga attgagaatt cttttttttt ttttcctgag acagagtctc 211380

gctctgtcgc ccaggctgga gtgcggtggc gcaatctcgg ctcaactgcaa gtcgcgcctc 211440  
ccgggttcac accattctgc tgcctcagcc tcccagtag ctgggactac aggcgccccg 211500  
caccagcct ggctaatttt tttgtttttt agtagagacg gggtttcacc gggtagcca 211560  
ggatggtctt gatctcttga cttgtgatc cacctgcctc agtctccaa agtctggga 211620  
ttacagggtg gagccaccac acctggctgg aattgagaat tcttgaactt ctcagagttc 211680  
tgcaccagaa tggcacagtg ctggaagagc ttccacacc tgacttgacc ctttctcttt 211740  
ccacctaaa atctatctta tagcataaag ggtatttctc cctcaccaa aacagctgtc 211800

ccttggtcac cccttaaggc tgcagcgcac ccacttcagg aagatggaac taaagaaaa 211860  
gccagagaag accccagaag aaggctccag gccatttggg tagagaattt taaggcccca 211920  
aatatccaca gcaaggtcta gaaggaggaa gcacaggctt taagtaggta caccttctg 211980  
gacgtgcaga ctccctatcc catggggaaa agagaagatg gagaagggcc agaatagggc 212040  
ccttcaaagc tacgtctctt aaagtgtttt ccaaatagga gcatggactt ccccttgga 212100  
gcttgctaga aatggagaat cctaggctcc acctggacc tattcaatca aaatctctag 212160  
gtgattccta tgcacattca agttcaaggg caggactaa aacagggacc tattttgtcc 212220

aatcaaagg gcatgctgt atacagagac tactaactcc ttaaatgaat gccagctatt 212280  
taagatgaac taaaatccct ttcatgcaca tggcaacaca aggatttgtt taattgcccc 212340  
caaaaacata ggcgaaggat aaaaaaaaaa aaaaaaaactag aatgagatag 212400  
gtcctatctg catttctggg ttcagattaa gccataaagt tttaaaaaac tgtaatacta 212460  
taattctagc acttgaggag gctgaggcag gaggattcct tgagcctagg aattcaataa 212520  
cagcctagc aacattgtga gacccattt ctattaaaaa aaaaaagtta aaaaattggc 212580  
tgggcatggt ggtgcatgtc tgcagtccca gttattcagg agtctaagt aagaggattg 212640

cttgagccca ggaggtcaag tctcagtgt cacaccactt gtgtccaac ctgggcaaca 212700  
cagtagcacc ttgtctcaaa aaaaagtcgt aacagatccc cagaaacttt attaatctta 212760  
tcaaggcata ataccaacag aaaacaagtt agaacagaa aaaaaagtct gtttctataa 212820

tcaaaagcag gattccataa cctaattatt atattttcaa ttaaaccaga gtccttgga 212880  
 tgttttcccc ctgttttctt gaattagcag agacctgtaa gcatgttcag agcagggata 212940  
 tgttaattaa ggagagaatt tcccagtaag aagctcagcc cacaacacct gataattagg 213000  
 aatgttataa caattcactg acccttcagg gatcctttgg tcgtgttggc tgcctcggg 213060

gattcacaga aagcggatc acaatttttc ccagttgtca cttctgtgc tgcctttgca 213120  
 gactgccaca tttaacaagtc ttcaagaaat tgtttgggga gccacatgac accgggatca 213180  
 caggaactct cttttttgac agtatctgcc tttctgccct caggagccct ttaacctcaa 213240  
 cctgagcact tcttggggga agagttcaac agcacaattc ctcacacccc agagtatgga 213300  
 atcttgccctt cagaacctga atgtcacttg gtgtcttaga atgaccttct tcttcagagg 213360  
 gtgagtgggtg agggggacca aaacacaaat gtgtgtgtgg caggggggat cttcgttact 213420  
 tcataattctc ttgtagtagc aggagggtgc ctgacttcac cacactgcta tgtgtactat 213480

tattgctaag cgagccagga cacggagttt ctgaatatgt ttgcttctga tagaagaact 213540  
 gcagatgaga caataaagca gaaacttgaa aagaagcagc aacactagtc taaaagtact 213600  
 aggagtagaa ataattctca caagaccact tactacagct gtacagagtg ctaagcagtt 213660  
 tccaaatgtg cagcttttca tttcatcttc actataacct tttatggcaa atgttatctc 213720  
 cattttacag gtgaaagcat taagacttgg attacttgtt agaagatcct acagatagtg 213780  
 agccatgatt caaaaccagg tctagttaac taaagtaaaa gtcctgacc agtgtattat 213840  
 actgtagcaa aaacagaagg ctccagaagg tccaactgga tccctgcatg ttgacaacc 213900

ccagaatata ccaaagetac ctctcaccta tctgtattc caccttctat ctctctccta 213960  
 cttaaatttc cacatctggc cacattcttt aacttttagct cccatggatt ctccattttc 214020  
 tgccttccct tccccctgcc agtggcctag ttgaggtct agtcacttct cttctctgtt 214080  
 actgcagcag tgccttaact catctcctcc atgtaactct tgtttctgtt atacatctcc 214140  
 acctgggtgcc agaataagct tcccaaagca cgggtcaggg atggccctc ctcagaaact 214200  
 atccaacttc ctagaaggca cagactcata ctaacctcc ttcctgtctt gccttcacc 214260  
 acatcgggtc tctgtactt gacccaaacg attgtatccc tgcctcactc aaatgcaagc 214320

ccacgacact gaccattgct ctttcactc ctgggactgg aatgctccg tcttactct 214380  
 tgcagtcaaa atctatccat ttactcaagg ctcaactcagg tggaacctcc tgcctcctgc 214440  
 ccacatccct ctgtcacaat gaatcttct ttcctacatg ctctataacc agatgacttg 214500  
 gccttgagcc gcctggagtt tactctgtag gtttcagttt gcctgattcc ttgctaggct 214560  
 gaaagattca aggtcatctt taagacctca gtgcttttca caggaatta ccatctgaaa 214620  
 aaagcccaa gtgaggattt tctttaccg ttgaagact ttttaactc ctcaccagca 214680

acaaaaattc tgggatgcac tgcgttttac attttgtttt tgttgtttgt tttatttttt 214740

ctggctaaga acacagaaat caaatctctt ttttttttct ctcaggcctt gccctactct 214800

aatttcaatc ctctctaate tttattttct actttatact tgtagtttta ctattctctg 214860

ctccccctaa tttctgtaga acaagatagg atataaataa acagatgtat aaataaagag 214920

tgggtttttg aaaaatgatt gacaacttga attgaaagca agactcctgt tgtgaaagaa 214980

gtagagaact cagcccaaat tggtaacggt ttctatcagt agccaaaatg ggaggatata 215040

agactcaaac cagaaaacag ttttctccct gagactccaa gaggctaga ggaaaaacag 215100

agaggctact gtgaagacct gcagccttaa gccctgagac tcacctacta aataggtgcc 215160

cagcaaacgg cgcattacct gagaattttt tccttgaact ttgactccca aattaattcc 215220

caccatagtg attactagtt gttcatagaa cagagggtgtg agaagaactg tgggtgatat 215280

accaggagga acttcaggaa agccgttttg aggactcatt cttgatgcc aatccctcc 215340

ctactccttg cgtttgagta tcaactgctg atctccagga gaaataaaga ccagtagagg 215400

ggctaaaaat aaaaggggca gaccgcagt gattcttagt cctatcgaag ttactacccc 215460

actgcagcta tggcagaaag agagccagag ctgaagacag gggtgtccat gttctaacct 215520

ttgctgtata atttactagg gaaggagatt tgaaaaaat caccacctc tctgagcacc 215580

agttttcccc atctgaaaat gggaatagct ttaccttct tactgaatac tttgaagatt 215640

aatgaaatg acatgtgaac ttgctttata aactcttcac agacaaagct gtttaattca 215700

tttcgagaaa gatttcttga gagaggcatc gtagcacagg agcctagcac ggatacctaa 215760

actaaagctt aggacttgca ttctaattct gtcacttctt agctttgtga ccacaggcaa 215820

attactaacc cctccgtgcc tcagttttct catctgtaa ataggatggt aaaagtgtcg 215880

atctgatagg ttatcaggag attaaattag ctacattttt acctgagcaa ggattggcat 215940

ataataaatg ttataacat gttttataaa tacatcagtt gagaataccc cacaagccaa 216000

gttccatgct gaggctgca gtgggcagat gtgtgtgcac acaacacaca cacacacaca 216060

cacacacaca cacacacaca gagacaataa atcctggggg aactttcaca ggctcaggca 216120

ttattttaat ctatgatcta agcactagga gataaatttc tcagaaacag aaaaataggt 216180

aataaccttg ccaacagact cggagtcacc attctcttga atttcaaacc tcagattgtc 216240

atcgtgccct tatggctcact taattaattt gcagtatctc tccaagagtt gcttatgaaa 216300

tgttcaagtc tttttttaa tacaccattt tatttaatga actattatta tgacagctgt 216360

ggagaaattt cactttggtg ttttctggg aatattttat acacactttt cagctgccca 216420

cattcagggg agatacaaaa tccaggaaaag gaaaaaaaaa atcacttcat tggataaaat 216480  
 gttttacaag atagcccatc tgtctttgtg agttcagagt gttttgttt ttatttattt 216540  
 aagtggaaact ttaatgaggg agaagaacat ctttccctc ttcctgttca cctggcttgg 216600  
 aggaagcaac ctggtaaac ttcaatgagg cccaagtaaa tttgtcact ctgggattaa 216660  
 tttatttgta attaatcaag agttttattt ggggatgatt agcagccagc catattccag 216720  
 tttcgacatc ctaaaaatat tatcccatga ttaactactt cttttgaagt gtggtaggaa 216780  
 acttgtccaa ctgtttggtt ccaaaaatcc tctctgtga cacagaggga aacctcta 216840

tacatgagtc actgtagttt tacaactgaa taaactgtta aagaattgg aaaaattgtc 216900  
 atcaagatga taaaggccat tctggaactc aatgccaaat agtcccagct tgtaccttc 216960  
 agagaaatga ccacttgtaa agagactgac gtatgggaga tcaaaggta aatccaatac 217020  
 actttccag gccatcaacg gccactttat cctgattaaa aggaaaagga atttccagg 217080  
 catgtctctt taacgttttt atcctgaaag caggcatgag aatacattct gcaaaccact 217140  
 gtgctagcat gttataaaag atgatgactg gccctttggt aagtacata gtttgccac 217200  
 acgtattcag ctctccacta ttcttttttt catgttttc ttcaaagttt acatctgtac 217260

agcttcccta atcctgattt cttaaagtgt tggatccagc ctttaaatgc attcaacact 217320  
 gtgcattcaa gtatccctgt ctgtagaac atcatgaaga tgacagactg ggctccgcat 217380  
 aactctgate acctttgcc ccagtacat ccaaggcagt ctaatttccc caactgagga 217440  
 actaactgcc ctccccatgt cttctctcac tatgaaccgt tgggtaaagc tgagcagctt 217500  
 gccacaaca taggaatcat ccgtctctta caaacttgag gagggagaat aaaaaaggaa 217560  
 aaccaatgta ataagcctgg gcaccatacg ttgctataat cctgcccttt gggaacactt 217620  
 taaggactct tttcacact aggggtggtc cacactctac ccatttcata tggaaattta 217680

tagggcacct ggttattctc tggagagggt cctacatatt tattcataaa ggtatttctg 217740  
 catatattat gtaattggtg ccgaggacca aaatttgaag acttgactga aaaaaatta 217800  
 tttttccag ctgtccaatg cagtattatc tagccactga atagcaaat agagaagcca 217860  
 ccaaacattt tctacaggta tccaagcatc tctctctc tcttccagac aatgtatttc 217920  
 ctgtgagcta tgggaaaga ggcctgtgct tcttggaac aagctgctct gatgggtctc 217980  
 cagccacaa aatacaaaa ttcaacaaca caggacggca gcctcaaaa ggagcttaca 218040  
 gaccacctca tctaactccc tcaattttct aggccataaa aatacaggcc aggtaagaga 218100

agtgactcgt ccaaggaaac accactattt agtgccaaag cctgaccag agcctgcctg 218160  
 gctcccagcc agtgctcttt cccactgtat tttctaagat ctatgtgttt tctctacaa 218220  
 tcggtccaga ttctgttagg gtcatagaaa tgtctgggag atgttgagtg tttttcaatg 218280

actactacag tataatgtca caatgggtcaa gtactacagg agttagagca ctcaagttag 218340  
aagcagatgg agcaaaagta tcattttaga atttaagtgc acagtataaa ttggaggatc 218400  
gacaaggcca atgggtcaat gccaagccca aggccagtgc atcacaaatg tggaggccaa 218460  
aactgtttgg gaagatttga gtcttaagag gagagccaag agaagtccta cttcagtgga 218520

ttccaaacag agggttaactg agacctctg tttaatgaaa ttacatctc tgcccatctg 218580  
caggaaagcc ccttacacag tccttggtact taactggcca aatatttacc cattaatacc 218640  
tttatttatg gaggggtggt gattttaata aaaatataaa tggggacatg taaatcacag 218700  
ccttggtctt caaagggttt tgcaaaactt aaagcathtt aaataatatg tctgaattac 218760  
aaaacathtt acitcacaaag gtaaaaaaaa caaaaaacaa aaaacctgct acattgaata 218820  
tatagtcctc tagttacaaa ggttttctgt caaaaattat taattcattg ttgaaaatg 218880  
gctgttaggt ttttaaatga actcccaaag tctctttcaa taacaaacta ttacagcgtg 218940

ctacatttac gatagaaaag gaagacatcc ccgctgatag tatacacaa ataaggacaa 219000  
tctgaacaac aaaaccagat tttaggtctt ttcctaaaat ctttaatgca agcaagtga 219060  
gaaaaatatt caatcaataa ggatatagaa ggaatggaaa aaatctgaac gggaactccc 219120  
agcactttgg agaactatta atgtggacga taaagacaga gtttcttcag tggaaactaag 219180  
tggatagtga gttataaaag atggagaaaa ggagaaaaca ctataaaaag atgaaaagag 219240  
gtgatggaat gaggtgttca gtagatcgtt ctaccacagt cttcaagtgg tgctgtcaac 219300  
tgggtcaact gggtcattgt tctttaggta agagttgaag tgaaggcat caacagtgg 219360

tctcaaaggt ggtctctggt tccagcagca tcagcactgc ttggaaactt gtttgaata 219420  
caaaacatca ggaccactc cagaccaggt gaaggagaaa gatttctttc tcaacattct 219480  
aatctgtcc cacctcgtga ttctaagca tgctaaactt tgaaagtga ggatagtatt 219540  
gtggagttag taccatcaag aagggtttca ttacacagga catctgcaag gcaggcattt 219600  
tggccatgtc cagtagtgac tgtacttctt taaaacactg tttctcaat atgactgcac 219660  
atgggaatcc ctgggaagct tattaagaac ccggggggat gtctagcaat gactggagat 219720  
atctttggtt gttaaaacaa gggggtggga gtggaagttt gctaccggcc tetatttccc 219780

tctaccaact agggataagg gaaactgcca aacatcctac agtgacaga acagcctctg 219840  
ctgaaacgaa ctatctgcc ccagtgctca ttaatgtgc ttttgagaag ctttgcctta 219900  
ggcaaatcaa ctatctcaat ctgttttagt ttttgacct tagacttggt ggaaaaaagc 219960  
ttgggtcaac ttcattggca ccaccattga gactcaattc tgccttacca gagctccatt 220020  
tttagtgtgt gtgtgtctct gtgatgttat cagggtgccta cttaattgtt cataaaacgg 220080  
tgcttcgttt cctaatcagt atggttcttg tttgcctatg ctctgtgaga caaagtaaca 220140

aatgtaagat ggcatgtttt atttctgttc tctggaatct aacgtcacia agtccctgac 220200

tctctgaaaa cgtaagctc tccagaaaga tgttctgaag ataaaaccag gtagaacacc 220260

caacccact tcatgtctct tgcttgagtc actatttctt taaaagataa atgaccctag 220320

tccttgccctt ttctgcaca taagacaata tctgacagtc ttagtgatta tgcttctgta 220380

acctatattc aggtgtactc ttatgcccaa accttgatat gactctgctt tagtgtaatt 220440

ctggacaagt ttgatgtgat ttgcatgtc ctgaacctcc accacctgta tatacgagct 220500

gagctgaaac tigtctgaca gaacctctca agagagcaac tctcaagcta caggcctcat 220560

ctacagtcct caataagatt tctgaataga acgcacgtta atcatttcaa aagcttgggt 220620

ttttgttttt tttttcttta gtcaacaatc tcttggtcag gagcttcctg aaggaaggaa 220680

ggatgagtgagg agagatttgg gtacaaaaat ttactctga caccctagta attcccatgg 220740

ccagccttga ttcttcattt gcaagtatcc aagatgtaaa cattatcaag cccaagggtc 220800

agcagaatag agaagtgaat tgggaacagc gttaactgtc agccaaacat agactaaacc 220860

taagctatct tcattaaaat ggatattctg agagctgctt ccggttaacc catgagtaca 220920

taaagcatgc caactgtgc tgggaatcat ctgttccaaa gaggccaaca ctactctgc 220980

tgtttttttt ttgcgtaaaag aatgagtaga gcataaaacc cctcaccatc tagtgccctgt 221040

tttaccceaa atcttctaca tccactgttc cgaagatttc cactctgatt ctgagcaatt 221100

tatgtaagcc caggtgttca aagttccagg ttgaaacatt tggtaatta acatcatgct 221160

gcaaacactc aaaatcactt cagctgccac tataacaaaa caaaactccc aaaaacaaaa 221220

actgtaggga aatataaaca aatggcagta ttctttggaa aacaatatat gattttagtg 221280

acaataaaag cagcaagggc ttctctgatt taatactgtg ttctcaaaa acatttttct 221340

aaaggaaatt atattgagtt tgagtaaaaa ctgaaagta cacattatta tgagcagaat 221400

gcagctatgt gccaggagcg caagtcatta gagcttgctt gaaaagaaaa aaaaaaaaaa 221460

aggtacagtg aaaaagagcg caaaccccaa gagtggcaat cttggaaata taaaagaaa 221520

tggtatttct tctactaaga acccaaatg gtttttctcc cccggagcca caatgctctc 221580

agctgtgggt ctctgattc acagtttccc agcccttccc ctccacag cccactcaa 221640

ggccaatt taactctgc atttaattcc cttaagcat ccattgttc ctctctccc 221700

aatcactttc agtgagactt tacgtctttg gcaaggggccc agaggtggtt ctgtcagaat 221760

taattttttt ttcaagtatg aagtgtagag tgttgagcaa gaaatccagt ttcttagtt 221820

ttgaggtggg agatcagggt gaggtacact gagtttttta tgtatttctt aagaattaag 221880

gcagggtggg tgagggtggg gagcagttct gattgagctg tggtaggatt cccaggagat 221940  
aatcaggtac ggctggtttg gggtagctgg caggctgaag gctccatcag tcagtctgta 222000  
ggaagggtc ggaaggggcc tttaaatcat atcctaaaga aggagaaggt cagcaccatg 222060  
agttttgtct caatgactca gttattggag ggctggggag gtggttttga gcacactatt 222120  
ctactgctga gtttctccc aggaaaacct tcttctctac aagtcccaac agccatggac 222180  
atgtgaataa gcttgaataa ctaacagaaa gatctgtttt cacaccatct ttgagctact 222240  
gggaactgac ccagtacctc tttagaataa tgtgactgag taacacaaaa gagagaagag 222300

taattatttc ctatgaagac aagaacagga tgcagcttca gagttcactt gtagttctgg 222360  
agaacacaat gcaagtcttg ggttgggggc tcccagatat atcagctgca agagcagcag 222420  
aacctgacac ctgcagcact ggccagcacc cacagccggc tgttctcacc aacaatggaa 222480  
ggcaatatga tgggccttgc caagagcaca ggtaagggcc aagagggcag agcaggcaaa 222540  
catcaccaat agggctccggc acagaagaga aaactggcag acaccttcag tgtcccagag 222600  
aagctgagca accttctgag gatgcccatc agaaaggaca tggggaggga gtctgttcaa 222660  
caggagaatg aagtcttctac aacaaaagaa agatcaaagt cttcggaaca gtgtgtggct 222720

cttaactcta ccigtgaac cagacactct ccatcccta gtgccaagtt cgactaaata 222780  
gacataaagc atttatgcat atgattatac agatctgtac gaagactgta ggagatatta 222840  
agtaatctcc caacgccct tagcacgtca acatttgttt tctgattgt tcttttcct 222900  
taggaaaatt aacacatagt ctctctctgg tctctcatag tctctcattt ctctttaatt 222960  
ttctgttctt gctactccac gcctggctct attctattt ttcagtgaat attattcaca 223020  
gagaaggaat ccaatgggtc catcttatcc tatgtgggaa agagcttttt gctggccagc 223080  
acatggagtg actgtctttg ggtcaggtgc acattgcagt ctgggttggg tacagtagac 223140

ctggtgggtct acaaggtgaa ccactacctc agaaagaggt catgggcatg actgagggtg 223200  
actgctcaca gtactgtcac agagttagag aactagcat gctttctcat atttctttga 223260  
aaagaaaagc aaaaacctgg gactaacaca gactcttcac tttcttttta tctttgggca 223320  
gatccattcc taaatttttc cagacacat cttgaaagtc cccaggata atagaatgag 223380  
taagaaacag actacagaat gcagtgggtg aggaaaaact tttgattaag caaaagcaa 223440  
gggcagatgt aaattccgag gaaggaggga ctcaaaaagc tgtttgtag tgcaggcata 223500  
aaaaacaagg cagagaacag agcagagtct gtttttagca taggactagg gtggaagtca 223560

ctcaactgca gccaacagca gtggccagac aacctagcac ctagagttgc cttagatctt 223620  
tgaattccaa gtctgacat ttactgattc aattttgtgt ttccaagttg ccattttggc 223680  
catattgata ttgcatcctt atcgtgaagc ctattacttg aagacggtcc cttgcaaat 223740

gaaggaaact gatgtacaca ctggaccttg tggatttcac gtaactaaaa agctgcagga 223800  
 agatgaagtg ttctgaactt ttgtctataa aaatgaaaaa attttttttg agccggaatc 223860  
 tcgctctatc acccaggtcg gagtgcagtg gtgcgatctc ggctcactgc atcctccacc 223920  
 tcccagggtc aagcaattct ccttcctcag cctcccaggt agctgggatt agaggcacac 223980

accaccacac ctggctaatt tttttttttt ttttaagtag agatgggttt caccatgttg 224040  
 gccaggctgg tctcgaactc ctgacctcgt gatcctccca cctcagcctc ccaaagtgtc 224100  
 gacattacag atgtgagcca cccacccag ctgaactttt cttttgtaca tgcaatgtaa 224160  
 caacttgaa aaagaagaag tcttggtccc aacagcagat gcctggaaag aatcagacaa 224220  
 gaggtcgaag gtgaaattaa acacagtctc gcaatcacag ctctagatat tatgagtcct 224280  
 tgcaacagag atcactaatg ttccgccccg tcagatatct ttgagtactc ttggaaaatg 224340  
 aaagatgtgc caaagttagg aggactggca aatgtcattc atacttttaa actgaagaag 224400

aaagattcta aaaattatat agaggtcggg cacttggtga gatcgggggg gaaatcataa 224460  
 atggtttatt aggtgtctca tgacaagaca gaacaaaaag tgcaactgcc aggaggcagc 224520  
 aaattttaat ttactcaga attggccaca tcagcctaag ctcatTTTT cttcatTTA 224580  
 tattgtctga ccaaatatg gacttcaaca atgtatttta taaggtctct tatggcagtc 224640  
 ttataaatta tagagggggg tgtaaaactt gttataaact gttttcaaag ttgatactca 224700  
 ccttaagaga ggattctagt agcttaccac agggctctat tcttgacctg cccagttgaa 224760  
 cattttcatc atgcacctat gtgaagacag taaaggcaac cctaccaaT cttcacaggc 224820

acagtgtga gaaaaacagt aaagacctg aatggtacag tatggatcca aagagagggt 224880  
 tggcaggcat gagaggtggg ttagatctag caggatataa cactttgggg cccaaataa 224940  
 caacctata aggggggct gagagataca tgacttaagc agcagcacac agaaatgctc 225000  
 tgtgttcac aacagaaaac tgaacatggg tcaaaggtgg ggccagcaat caatgaagct 225060  
 aatacataa gtgtactta atgtgcatgt gatttttaga attaggtagg taataaatct 225120  
 tttctactct gtgccatact tgaagtatta tcttcacttc tagcgttgca ttttttgagg 225180  
 gaagtacatt cactggaata tatttagagt tcctctacca ggataatgca ggaactctaa 225240

attgtattat atgaagaatg gctgaatgaa ctaggcatgt ttacttgga agtatgggtt 225300  
 gagagacatg gcaattcttc ttcaataaaa tgaaaactga agagaggcaa tacttcatct 225360  
 aggtattgcc agaggacaca attagggatg aaagctgtaa aggatatttt acctcaatgt 225420  
 gaaaacagtt taagccctgg cagatgtca aagtctcaac aaacactaat gggaaagtgt 225480  
 tcggagtgtg gacttcaaaa tgggttgctg agttggtgat attgtttggc tctatgtccc 225540  
 caccaaaata tcacctggaa ctgtaatccc catgagttga gggagaaacc tgctggaagg 225600

tgactggatc atgggggctg tttccccc at gctgttcttg tgttagtgag tgagtctca 225660

tgagagctga tggtttcaca aggggctctt ccccttcgc tctgtctctc gcctgccacc 225720

agctaagacg tgactacttt cccttctgtc atgattgtaa gtttcttgag gccaccccag 225780

tcatgcagaa cgtgagtcaa ttaaacctct ttcctttata aattaccag tctcaggtag 225840

tatcttgata gtagtgtgaa aacggactaa tacaattggg taatctttta aggtcctttt 225900

aaatcttaag aatctttatt tttatattac ttttttagac ccatattcta attctgttca 225960

tttactaat ttcaaaaacc tgttactgct ctgaattaca acaaaactta aatccacacc 226020

ttgtgaccta ccttttctgg ttcacttact ttgcatttta gcttcacaaa taataaagta 226080

cctattatgc tgggagctag agatgcataa gtgacttaca catggttcct gacctgaaga 226140

agctcacaat ctagggaaag aaaaaactgt aatataacga tgtcagtatg aaaagaggtg 226200

ggagtggct cagtgtgcta ccccatgcca gcacagaaaa gggaacccta gttgattcag 226260

gaatgttctg ggaaagacat gaacctgggt gttatggctc caaagccaac attcctgacc 226320

tctctgtctg ctttttcggt tacataggaa aataattgca attagtgtag gcaaggccag 226380

taaacttttg tgagatgaac tctgttggga cagcagaaat ctacttcacc agctggtagg 226440

cctaaggagg tctttgttct ctggttctta cttttccaac aatctctggg taagaagtgt 226500

gggcaagact cagggttag gcagtgggga aaggggcctc actgtgttct ccaattgaac 226560

ccatgattgg agagccctaa ataaaactgg cattttgccc ccatttactg cagttctgtg 226620

tgttcacact gaatttatcc gaccttgaa gaagagttag gggtaatgac ctttttagaaa 226680

atattattat gtagggtcgg ctatagttaa acataatgca acatttaaat gaaaccaagg 226740

aaagtaaatg gtatttttaa attcagaatg atatgtgtga ggatcaagaa aacatgttta 226800

gcagaagatg gaagggcaaa aagctgttag atgggtcaca cactgtaagg gatcctgctg 226860

gaaacttatt accctgtgga tctttttaaa cagtccacct taaatgctga tattatatgg 226920

ggctatcata tagccatgcc atggctcagt atgtgcataa tataagccat tctcataaat 226980

agaaaaaaaa agtagctagc acggtcagaa acagctggct taaccacatt atggtattca 227040

actgtgtgct tatttttaaa ttgcgtcaaa ttgctctgaa gccaatgacc taatgaagac 227100

agaagcatct cttcaaagag agcacaaaag catcttttaa gaccatgac aataggtggc 227160

agcatctctt ccagcactga agtctctctt gtggggctca gatgaagcaa attttctcag 227220

taatttcacc ccctcaagg gctgtctttc cagccacca tcaggtgact aggcctagcc 227280

tatgcacctg ttaggattcc tgcacaaata tctgaccaac aacttagtta cttccaacat 227340

ttgagcgctt ttctagaaac aggcaatgia gacctcctaa caaccatctc tggaaatgcca 227400  
 gtgaccttac tgcattgctt cactttgaaa tagtcaccaa cactgtggcag gacaggaaat 227460  
 tatttgggga tccaaccaag tcagcagacc tcaatctgga ctgaacacca tggacataca 227520  
 gagagggcta agaacaatg gtgaggttct aaccaaatac cagttcagac acacaccaat 227580  
 gatgtctgag caaactatca cacaacaca caatgaaga aagaaaacac acatctaata 227640  
 acaacaacag ctgcacctgg ataggaacta ctccagaagt ctaggataca gagagatttc 227700  
 cagagcttca gccagtgtac tgcttgtcaa aatactcaaa tacaaccata ctggttggta 227760  
  
 aataacctct gccttgatac ctaagatccc cctgctactg gcctggccat ctggactact 227820  
 tctgcagggc ccttctctca cctccctaca acgtgattgt taaaggataa aagcctagca 227880  
 tgaatgggc catcaaggac cttgtctcat tagttgatgc ccattccaat tggtcagtgc 227940  
 caatgccagg ctggctgtta aaggctgcaa ctactgcaa tgcccacagc ccacagatgc 228000  
 cggcaggagt gtcgtgtact gagctattcg tagtctgatt ctttcttca ttctctttca 228060  
 tacatatatc cccacctcca acacacttgc gcacacatag gaataagctt cctgcataag 228120  
 aatcttcgga ggaatgacca tcagagtga caggcaacct acagaatggg agaacatttt 228180  
  
 tgcaatctac ccattctgaca aaggactaat atccagaatc tacaagaac tcaacaaat 228240  
 ttacaagaaa aaaacaaaca accccatcaa aaagtgggca aaggatatga acagacactt 228300  
 ctgaaagaa gacatttatg cagccaacag acacatgaaa aaatgctcat catcactggc 228360  
 catcagagaa atgcaaatca aaaccacaat gagataccat ctacacaccag ttagaatggt 228420  
 gatcattaaa aagtcagaaa acaacagggt ctggagagga tgtggagaaa taggaacact 228480  
 ttacactgt tgggtgggact gtaaaactagt tcaacccatg tggaagacag tgtggcaatt 228540  
 cctcagggat ctagaactag aaataccatt tgaccagacc atccattac tgggtatata 228600  
  
 accaaagggt tataaatcat gccctataa agacacatgc acacgtatgt ttattgcggc 228660  
 ctattacca tagcaaagac ttggaaccaa ccaaataac cagcaatgat agactggatt 228720  
 aagaaaatgt ggcacatata ccccatggaa tactatgcag ccacagaaaa ggggtgagttc 228780  
 atgtcctttg caggacatg gatgaagctg gaaaccatta ttctcagtaa actatcgcaa 228840  
 ggacagaaaa ccaaacaccg catgttctca ctacacagggt ggaattgaac aatgagaaca 228900  
 ctgttacaca gggcggggaa catcacacac caggccctgt tgggtgggtgg ggggtctggg 228960  
 gagggatagc gttagggtga atacctaag tacatgacaa tttgatgggt gcagcaagcc 229020  
  
 aacatggcac atgtataccc atgtatcaaa cctgcagctt gtgcacatgt actctagaac 229080  
 ttaaagtata ataataaaa taaaagtaat tttaaaaaaa tcttccgagg aatgtttgaa 229140  
 gaatgtggag tatatatctc tgtacagaac acgctatgtc atgttagggg cttttattgt 229200

ttttataacct ttctgtggg attctgatct ttcagtacta actttttaaa gccttcaaac 229260  
actagagtcc actgaaagtc actggcatca cttttacaag actggttagg ctctcacccc 229320  
tccccatcag agatgggcct ccacgtaaga ggagataaaa agtgtaagcc ttcacacctg 229380  
caggtgaaat cciaaacctg atagtcaggg tcctcacagt tgggggaagc tgaaggtttc 229440

acaataaact acaaagattt atttttcttc ctgttggaga acaataaact ccttctgaag 229500  
aatgtaggat cctaggcaaa ttaattacta ctaaggcaca tgtttcagag gactgtctga 229560  
aagcatccat tgataagctc ccgtgaggcc taaaattctc cttgttctcc cagcccctaa 229620  
agaaactggg tcaaatgga agcagacaat gagcctcaaa caaacagagc agactaagcc 229680  
tctcttctct cactgtgtg tttatgagga aattcaaaca tggcttaaca agacattcaa 229740  
ttgcttattt cgaatgtgga atgtggtaga aaagtatctg aaggaaaaag aaagggtgtg 229800  
gtggcagggg cggggatagg ggggtgccac ttacaagtgg ttaggtagac agaagctatc 229860

gggaacattc tggactgctg gagattgcta tagtctcaac attttctaag acagtcgggt 229920  
atagagcttt gtatctaagc ctaaatgtat caaaatccat cccttgaaaa atgtagccaa 229980  
acatatctcc acctccta atactatgtg atcagaggaa ctgaaagaaa aaacaaaaag 230040  
cccaaagagg cctaactagt attttattca tgtaattcaa agaaagaaca tggtcataaa 230100  
gacttgagaa actaaatgca tattatttga aaactgagtt ttgtttgttt gtttttaaaa 230160  
aagaacatag caataatttt taccagaagt ttgaaaacte ttcagatgtc atcaaacact 230220  
attctaggct gcagtatttt caccaatttc tcccatatgt cagatggatg acacaccaa 230280

ctccactaac aaatagggca caactgctgt ggctaataatt ttaatgttca gtcaaagggtg 230340  
ggctttttgc catttgtatt tattttaggt gctggaacag tggaaggtag taacgtttat 230400  
agatgataca tacatgtcga atgtctatgt atcatgcgta tatacagggg ctgaatctgt 230460  
ctcattgctc attttagaaa cacaattaca gattagagtg cattgggaga ggccccggta 230520  
taaaacacat ccgtttcact tctaataat ttggggctta aaagaatcaa tggagagatg 230580  
tgcacacctg aatatttgca tacctgtgtt taggttcagt tatattttgg taagtccatg 230640  
aaagccttct ttcagaggga gtggcctaaa taaataccaa ataaaacttt ctccccatcc 230700

tcctgaaata aagaactaag acagataggt acatttcgtt ttcaggatat ttttcaagta 230760  
tatataaatg ttgcttcata aagactcgtg tcaaacaatca caattggttt aatttttttt 230820  
tgtggtaaaa ttcatgttaa catttaccat tttagccatt taaaagtaca tacttcatga 230880  
tattaaatgc attcataatg gtgtacaact atcaccacca tctagttcca gaacattttc 230940  
attaccctga aagaaagccc tatagccatt tagccactcc tcattcccca ctacacacct 231000  
ggcccctagt caaccactag tcggatttct gtctctatag atttacctct tctggacatg 231060

tcgtagaaac tgaatgatac aatatgtggc cttttgtgcc tagctttttt cacttagtac 231120

aatgttttca aggttcatca atgttgcagc atgtatcaga actttattct aaaatttcac 231180

tatatggata taccacattt tgtttateca ttcattccact gatggacatt tgagttgttt 231240

ccatcttttg cctattatga gcagtgtac taaaaacatt catgtaaagc tttttgttta 231300

aatgtctgtt ttttaattatt ttaggtatat atacctagga gtagaattgc tgggtcacat 231360

agtaattctg tttaacctat ggaggaactg ccaaattggtg ttccacagca gttacgcat 231420

ttttcattca tgtttaattt agtattttaa tttttatttt ttggaaagag tctcgctgtg 231480

ttgccagcc tggagtgcag tagcatgac tcagttcact gcaatctctg cctcctaagt 231540

tcaagcaatt ctctgcctc agcctcctga gtagctggga ccacaggcgc acacccccac 231600

atctggctaa tttttgtatt ttttggtaga gacaagattt tgccatgttg gccagctgg 231660

tctggaactc ttggcctcca gcaatccact tgccttggcc tcccaaaggg ctatgattac 231720

aggcgtgagc cacagcgcgc agcctcatgt ttaattttat aaccggtatt aactagcatg 231780

aggggccatt gtgggatcaa gcaatagctt ctcttatca tccaggccca gctcactgac 231840

cacctctga gacagaacct ttgtgtcaag caagttgcaa agctcctcct cccaccccag 231900

gcactttgct gacatcattg tttcaatctc ttcacagcac tttcagattc ccccaaatta 231960

tttaatcatt cactagttaa ttgtctactt ctcttcttt ctagacttaa actccacgag 232020

ggcaggactg ttctgtctt gttcgacaga atatctccta agcctaaaac agtcccaggc 232080

acatagcagg tctttctcta gtggataaat gtctcaatgg tgctcaaggc taaaaaaaa 232140

aaaaagagct acaagacaga ggaagagcca gactcagtgc ctacttgttt tctttcttca 232200

taaaaaaaa aaaaaaaaa tctggatagc aactagcagc aaagccacat gaagagaaag 232260

gaatatggcc ccagaggcca cccaattagt gacaccattg gcgaactgta gactgctgag 232320

atttccaatg ttcttctaaa gctctgcctt tctttatgtt gcacagacca tcaaacacgg 232380

caatctgttg tttttgttcc tgaggtaaag acagtttgct tcaggctttg agttttgttc 232440

tgttttgttt atcaataaa agcctccaag aatttacttc aaggtcaaaa caaaaagtca 232500

agttactctt tgaatagctt ctgtctatit gaatgagaaa gaagaacaaa taaaaaatgt 232560

atgagttaag cacaagcct tcaaaaggtc taactccttc gaagatgaag agttgaagat 232620

gaagacacaa tagcttggag aggttaacca cccacccaaa gtcacaggac tctctggtgg 232680

cacagcagga agcctgtcca cactcaccag cagaacatca gctctgtgag ggcagagatc 232740

tcaccttca cggtcactgc tctatttca gcacagacca gagcctgcaa acaacgtact 232800

ctacagatgt ttccacaact ccacaagacc tccacctttc caagctctca aaaggcacag 232860  
 agcaataaaa cgtattttcc caagctcaga ggaaccatct gaatttaacg gttggttaca 232920  
 aacactttgg cgagagtcac aggaggatgt gctctggagt gaattcttca gtcagggcct 232980  
 acgggttctg caggttacaga aatggcagtc tacagagaag gaggcaaaca cagatctgat 233040  
 cagtgcggag caggtcacaa gtcacaccag tcacaaagct gcctccttga cattcagagc 233100  
 ttaaagatct aattgtcatt ctctctgaaa cttgacctaa ttatttctcc tataaaactg 233160  
 tgctgtttct caacaaaaaa aaagtaatag cacattgctg ttggtcaaac tagaacattt 233220

tgaatccaga gtggattttt ttttgttatg tttcatttta tggctctctct ctgtgtgtgt 233280  
 atgtgtgtgt tcttgagcaa aacacttgag aaactgtcag tttccacat ttgcccctt 233340  
 gagatgcttt accacattgg gttttcaagg ctgagaagat tccatttgtt aaaaggaaga 233400  
 tattggtcca aataatggtc tcccaagtct tcccacagca gctacaaatg agccttctctg 233460  
 ggatttaaca aggatctggc taacgttgat atctagagct tttaaaaat catgattatg 233520  
 gtacttgatt tttaaaattg tattttcttc ttttcttgt ccagtgaggta aggggagaat 233580  
 gaaagaaggc aatgcctttt tcatctttct cctttccatt acttctgcat cctgaaccaa 233640

gaatgaacag tgcaactggg gctccttgct tctcagcata tggagtgtgc attcttgaca 233700  
 tcaatagagt tggcaagagc ctctattttc tctttcctgg gctattctga gaaatgtagc 233760  
 tacagatgct gagtctgact aagcagaatc tggcctcaga ttactctaaa ttccagggtgc 233820  
 atttaaatca aggggtgcctc cgtccatccc tgttctgat cctatttttc tatgtccctc 233880  
 agtatcactg gcaagccctt ttactgaact ctttccatat gccaaagtca gggcctgacc 233940  
 atgggagttc caagatgac aacagaataa gtctctcagga gcttgcactc ttgagatgca 234000  
 caaaagctta aaatatgtca ttacactgta gagaatttgt gacatcaaac ctctcagaa 234060

ggcttgagg acccttctac agaagggttca acttgaaatg tgaagcaaat atgttgctct 234120  
 gctgcatgtt caaagcccg cagaggaaac gaggaatgat ggtgttatca ctttcaatgg 234180  
 caggcttctg tgatcaggtc caaaataaaa tgcacaaagg cttctgtttt ccgtggatca 234240  
 accacagcaa gctggctcaa gttcaacaac agccaacttc cagcttcatt ggagggatgt 234300  
 aaaggagccc taccaatggt ctggctttca gaacaggact cctcttctt tcttagaaca 234360  
 tttcttttgc aggtaaaatt gggttgaatg aacatcgatg gcagtgcagg aggaaggaag 234420  
 gaagtctata ttctgaaaag ggtaaggagg caaaggaaac tctcttctc ctttgccaac 234480

atgatgggga gaatggtgaa ggactgatag gatgatcatg cgcaattaat actaggccct 234540  
 gtttagttcc acacatcagc tatgtctgtc cctattgtag gcatcatcca gccccattt 234600  
 ggccgtgatt atatgcagcc tagatatgat tcactctagc gtataagaat ggcaccaa 234660

ggggtttgca atagcagggt gtcctgcaaa gtagaatttc taatttatct ctaaaagccc 234720  
 ttccagctca cagagcctac atttaaggac caaccttgaa gacatgggaa tcaaacagtc 234780  
 ctcttgggga ttttattctt atttcactgt cataatgtaa actctctgtg gatgcagctt 234840  
 caaatacaag actccttttt aagctactag ttttaacagt ggctgagatg ggcaccatct 234900

gctcacagggt tttcctttta gttgttaaaa tcttcctttt cccattttaga attgaaagtt 234960  
 tcaaatggaa taccttttggg agaggttaaca aatgaaatga aattcaacct aagattcaaa 235020  
 tgccagcttt gcaggagact ttctacgaag ccagactttg ggaagaaagt aaaggttgaa 235080  
 gagagaagag agaaaaaagc aaaggaaga aaacagagat gaggtgagag acgggatatg 235140  
 aaagaaagga gaaaagagag acaaatcag acacacatgc acgtgtgcat atatatagag 235200  
 agtgacacac acacacccca ccacgcacac acaactatg acgtcaaag ggcacttagt 235260  
 aaaaagtga atcaatctat aaggaaaaga gaaaatatta atggataggg aaaagagttg 235320

gcaaaagcag ccgactaatt gcccaataa gatcatcttt gggtaataga aaaagctgct 235380  
 cctcttcaag acactttttt ttttttttt ttttttgcca tctgccagga aaaaaagcca 235440  
 caataatcat ctaaatttat gatgactaag aatgtgaatc gtgcccccta gaattatcta 235500  
 gtgcattatc tgcatggcct tacatactgg ccatgcatct cccaccacaa ctaggtcctt 235560  
 aaatttcac tcatcaga ccacaattct agaacacctg gatgtgcagc ttcattgaagc 235620  
 gtcaacaatg ccctaaggaa ccagaagtag agagaatact aattccaggg ctggcttcat 235680  
 gggcatcaaa ggccatgcag tcccatcggc ccctaccctt agaaggcctc cacactatgt 235740

ttaatactct gccattatca ttttaaaatt cttaatcatt tctgaacaag gggccccaca 235800  
 ttttcatttt gcactgggtc ctgacaattt tgaaactcgt tctcctttat ttaggactaa 235860  
 attctccctg ggtggatcca tccttaataa agatatcata acatttttat gctaaagagc 235920  
 ttgataggaa agcacaaaaa caggttaacaa tgcacaattt ttaaatggat aatcacagaa 235980  
 aaattaaaag cagtactttt ttcatcttct ggaaaaagct tgagttcagc aggcatttga 236040  
 ggtctgtttc agaatactta ttgtccttg aaaaaaagc acaatgtaaa gtcacatttt 236100  
 gtgtgaacca gtttactcct cttcaaatga aaaaaaattg aagaagaaat aaaaaagaaa 236160

gaaaggtcag atcgacttcc tagagaacag aagaatgcag ctaggaaaaa aaaatagttt 236220  
 actcaacttt ttcaatggta ccaaaaggaa cctttgacac ttcttggcaa agacatgata 236280  
 atacttttaa tgctataaga gaaaaaggat cgtcactgag aaaacttcag aaaagaggctc 236340  
 ttgatgatgg gcttatgcaa gatgtacacg gcctcgctaa gaaccttgat ctttttcaca 236400  
 tgtaaaaaaa caaaaagccc aaactgtaaa gaaaatataa tattctaaaa atatgtatag 236460  
 gtgtttatct ttattctggg ttttagaact caaacatttt cttccagcac acctggtctt 236520

ttgaatgagt gacctctcca aacaaagcta aggacaaaag acaaagagaa catccctga 236580

tgcatggatt gtaccaaate acaaatgtac ctatatcaca agacttggtt ctagagaaaa 236640

ggaaaaggaa gtaaatccag gatttagcta tgagcctagc ttcttgggtc actgattgct 236700

ccagccagtg acigcaggcc ttgtatTTTT ccttgTTTT ttttggcttt gctttttatt 236760

tgtttgctta taattaacaa ctatgaacca cacatacaca ataaggcata aaaaaaagca 236820

tggcagagag taagcagata ctgctctggg ttcagaaate acagctctat tcaacagtgt 236880

tttcttttgc ctactgatct ctttgacttt ccagactccc gagacataatt tcctttcccc 236940

tatttaaaaa aaaaaacagt tcccatctct ttgctcaaat tcccatcta ttcctgcatg 237000

ttatctatTT tttccaataa gtccctggaat gtacttagca taataatTTT aaaccctgcc 237060

taataattcc aaaattgggc catctctgtg tctacttcta ttgactatTT cctctcttgg 237120

ccaagagcga catttgcttg ctcttcttta tgtcttataa ctgactttgt gccaaatatt 237180

ttgtgtaaaa gaaccataga gtgcggtagc tcaagcctgt aatcccagca ctttgggagg 237240

ccaagcgagg cggtacacga ggtcaggaga tcgagaccat cctggctaac acagtgaac 237300

cccatctcta ctaaaaaata caaaaaaatt agccgggttt ggtggcaggt gcctgtaatc 237360

ccagctactg aggaggctga ggcaggagaa tggaatgaac ccaggagggt gagcttgcatg 237420

tgagccaaga ttgcgccact gcactccagc gtgggccaca gagcaagact ccatctcaa 237480

aacaaaaaaa aaaaaagaaa aaaagaaaag gcctcacacc ttctgctgtc aggctgctag 237540

ttgacgaagg ggacctgag tcatctaate tatagttgat ctaggcttga gtgttactgc 237600

agctttaate agattcaaat caccactggc ttaaatatTT tgagggtggg atcaggcctt 237660

gaccttttgg caagtcttga gatctgagca cagacgagat ttcagacatt ttttctctat 237720

gctttatgct aagctgtcag ttttccaaac tagggaatat ttctctcagc tttaaagcac 237780

aggaggctgc tttttaagtc attaaaatat tctctttgtt ctccactaca ctcttggttt 237840

ttggcacctc tggagatctc tgactgctg ctctgctttc atccttcaga cagtgactac 237900

agaaaactgc cagagtgcga tgatgggatt tctctcagct ctctgcct gtctcagcc 237960

tgtaacaggc cattgccttg ctttgtggaa aaaccacaaa taccttagag agaagtacta 238020

ttggcttttc tagcctatc ttggccttct gcctaccatc cttctgcatg tgaacatcca 238080

tgggaataac ctggagactg gtgcagggat tgccttgggt ttggagatcc ttattattct 238140

aaacagccaa catgtggcca ttccaaatta gttaagttgg gctactttct tctcactctg 238200

acaatgatag attcctctc ttgccagcac ttgccagggt atgaaagcag gcctcagctt 238260

gttctctcct gaaagggtt gtcacttact cagctttatt tgtgtgtgtg tgtgtgtgtg 238320  
 tgtgtgagag agagagagag agagagagag agagagagag agaaagagag agactggctc 238380  
 tcctactagc tcaaaaaata aaaaaatcta tgattttgtt ttttactctc atttttaagg 238440  
 caggtgtgaa gggttccttc aactttctac acatgttgaa tcagaacctt acccctactt 238500  
 ttaaggcatg ttgaattccg aatgcacctt tcctcctgga acccaagggt cctggccaac 238560  
 ctggtcaact catgtgagcc catttggttag ccttggttag gcataatcaag cattttactg 238620  
 aaagatgtct caggcaagct ctgagtttgg acatcctagc ctacctgaa actctcagt 238680

gaattcccat atctcacttc atactactct cagtcttcca agactaactg cctatttaat 238740  
 ggactaaacc tccattttct gtctttactt caactttcca ttcaacaaac attgtctttt 238800  
 gaacctcaaa tctgggttct gattctcctt ctgaccagcc tgcctctcgt caccttcagt 238860  
 ggtcaccctt ttcaactgaa cctaacttta cttcttccca gctcactaat aggtggtgtt 238920  
 atgatttaat atttgcccc gtgttgaaac ttaatcccca gtgtggcagt atcttaagag 238980  
 gtagagcctt aagaggtgac tgggtcatga cagctctgcc ctcatgaatg atgggttaat 239040  
 gtattaatgg gtgattatga gagtataact tgtggcttta tgagaagaga agagagacct 239100

gagttagttc gttcagacc gttgccaggt gataccctgt gtgcctcaga actcttgagg 239160  
 aagtccccac caacaagaag gccttcactg gatgcaacct ctcaaccttg aattcctcag 239220  
 ctccacaac tgtaagatag aagttccttt tcttggttaa ttatccagtt ttggggatta 239280  
 ttttaataag caacagaaaa atggactaag acatgtgaca tattaattta ttcttctctg 239340  
 tagttcatcc agcctctgcc caggaatcaa aattctcaac tctgctcaca ggtaccattt 239400  
 gaatgtgcca ccactccac tttgccatg gattttctag actcagagcc tgcctgctag 239460  
 ttcctacttt ctggcctatc tcttgcatgc ttccaatacc ccgttcttct gggttcagtta 239520

cacttctgca tcactgtgtt cataatggt actgatecat ttttttttt tactattaca 239580  
 ctttaagttc tagggtacat gtgcacaacg tgcaggtttg ttacatatgt atacatgtgc 239640  
 catgttggtg tgcgtcacc attaactcgt catttacatt aggtatatct cctaagtcta 239700  
 tccctcccc cccccccac cccatgacag gccccggtgt gtgatgttcc ctttctgtg 239760  
 tccaagtgtt ctaactgttc aattcccacc tatgagttag aacatgcggt gtttggtttt 239820  
 ttgtccttgc cagagtttgc tgagaatgat gggttccagc ttcattcatg ttcctacaaa 239880  
 acatgaactc atcctttttt atggctgcat agtattccat ggtgtatatg tgccacattt 239940

tcttaatcca gtctatcatg gatggacatt tggatcaact gttaacatta catcacaaca 240000  
 taagaagaga ataaaaagga ggactttcca ttctagactt ggaacctcat ataaatagcc 240060  
 ataaatggt ttaattggac acttataaag actgaactac aaaggatata tattaacaca 240120

gtttagtgtgta aaaatgagat gttgatactt ttttagagtc tcgggtacaa atgaaagtgc 240180  
 agcaaaatat ctgaattatc aaaagcttca tgatagccaa caacatgacg tcctgaaatg 240240  
 tttctaaaga aaaaaagcag tatgatattc tttctgcaag cttgtactgc acatactccc 240300  
 tgaagaatta tgcaagaatg ccacaagtga gaaatgagaa ctgtcaatgc acatgttacc 240360

gtgctcctcc tggtttatca gtgttcaggg tgcctgaga cagcttctc tgcctaggag 240420  
 atctgagctt cttaagtca catggcaaaa gggagcataa aaaatgggga aggtggcagg 240480  
 actcctcacc ctctttgtcc tcacttcatt tacccaagat ttcaggctgt cccagcatct 240540  
 ttcctggaca caatttcatt accacaatat gaagactgaa ttacttctt gccaaatcac 240600  
 actaagtaca taggtttgta aagttaatgt ctgtaaagga ctgtgcgttc tttgacgcaa 240660  
 aggagctcaa caaatgcaca gtcataataa aatgatacat taccctgtg ccttagcgac 240720  
 taatttagga gagaaaggca tttcataatg aaaatcttca tgatgttgta taagggttgc 240780

cttgaggacc gactgtcagt ttcccatatt gaaaatactg gtgggattgg gagagaggtg 240840  
 gaaagaaaag gaaagaagg gttctaaact cgttttgctt ctgtaccca gtgctgcta 240900  
 catataaggc ttagctttta tcatacaaaa tatccaaggc agagatagaa tgaatactgg 240960  
 gtttaggatt aagaggcttg agggactagt gtcaaccata tcacatattt gctgtatgat 241020  
 ctaggttaag gcacttactt tctctgagcc tcattttcat acctataaaa tgggattata 241080  
 actcttctgc ctaccata attgctgtga agatgaaata gcatatgta gaagtgaag 241140  
 tggccaggca cagtggctca cgcctgtaat ccagcactt cgggaggccg aggcgggccc 241200

atcacaaggt caggagattg agaccatcct ggctaacaca gcgaaacccc atctctacta 241260  
 aaaatacaaa aaaaattagc caggcacggt ggcgggcacc ttagtccca gctacttggg 241320  
 aggctgaggc aggagaatgg catgaacca ggaggcggag cttgcagtga gctgagatca 241380  
 tgccactaca cttcagcctg ggtgactgag cgagactcca tttcaaaaaa aaaaaagaa 241440  
 agaagtgtga gtacacagga agcacagtat gcaaagaca caaattctta ttgctgttat 241500  
 atggacaaaa cacttggaat aaactctctt gactctttat ctcaccagat taatatacag 241560  
 atggcaaaact gatttcata tctgcaaaaa aaacaatgc acaagaaaa atgtacatct 241620

gagtcagcac caccttaigt ctgcctaggg atttgatttg cacatttcac aatattccag 241680  
 aagcaaaatg tatgagatgt gtcttttctt acttattact catatgtgtt tttattcccc 241740  
 acttagtgaa atttaccttt tataaaacat gtaatatgat ggataactca atatggaaga 241800  
 gactttttat gggatgtgaa caaacatac tgcaaagggg atgatatgct tggcctgtca 241860  
 gttcaggaaa gcataacaag attgaaacca cactctacca ccaagagtgg cttaccctag 241920  
 gaatgaatga ttattaaaca tctgaaaaat ctattcatgt aatttagcgc attaacagaa 241980

taagaaaacc aaccaggatga ttgtctcaat agagctttta aagcccttgg taagagccat 242040

gcaagttcat gatttaaaaa aaaaaaatg gtgttgattt aaaagcatat tcactaaaat 242100

cagaagtact gcatatttgc tattaactca ctactagaac tcaataatgt ataaaaggctc 242160

ctaaataaga caacaagaa aacgaatgag acaaatatta gaaaggatta cctagaacat 242220

cttagaaaat aaattgagaa aaattaaggc agatgagagt tcagtaggtt ggtcagacac 242280

aaaatcatca tagaaaaata acctctacac actaccaact aattaaaaag tgaaggtata 242340

atgggatctc atctcattca gtgtacgtgt gtgagttccc aatattcaat aatacaccta 242400

ctgaaaaaag tgaaatcata agtaaagaag aacagatcac aaaatttcct gtttagcgaa 242460

acagaaaagg tcctgttcca gatgtcaaat atatttcaaa gacttttttt ttcaactctg 242520

aaatgtagaa gctcaatagt tgacaagtag accactgaaa cagaggaaag aatcaagtaa 242580

tagaataagg caacattaaa atatagttta tgctaaaggt atcatattgt ctcaatagga 242640

aatgataga ccgtatttaa ttatgtctgag aaaacctatt tactgaggaa aaaatctaga 242700

ttcatacctt gtattataca gtacataaaa ataaattcta caaggaataa agataggatga 242760

agaaaaatta taaaagtatt agaaaacaca gattttttta aaatattaag ctaaagaaaa 242820

ccttcttaaa taagataaaa atacacaaat catagaagtt attgatagct atgactacca 242880

aaaatttaaa gctttttatc aacaaagcac agaaatgata cttacataaa atgcatgcat 242940

tagttcaaga ttttcattgt cttattttct atggggttct gcaattttta tttcagaaaa 243000

tatactact ggattttata taatggttat gcaagttcac atcccaaggc cgaggcaggc 243060

agttcacttg aggtcaggag tttgagacca gactggccaa catggtgaaa ccttgtgtct 243120

actaaaaata ttattaaaaa aatgccttgt gtgttgccgc acacctgtaa tcccagctac 243180

ttggaaggct gaggcaggag aatcacctga agctgggagg tggaggttga aatgagctga 243240

gactgcgcca gtcagagagg aaactactta aatcttattt catttccatt ttctcatata 243300

gggaagtagg cttcaactg aaattgagga ctaattcgga aggaacaaaa tagcaagaga 243360

gcatgttaac taggtcccaa tgtctgac cagatgggtc ctgaatcccc agggagctgt 243420

aagtatttgt agatgtgact ggagcaccac cattcatcct ccaggggcag ggcaaacagg 243480

cttgaaaatt aaagctggca ctgttactaa ttttttagaa aagggaaaaa gttggattct 243540

agaaactaca aaaggccaat gactttagtc ccattcccag tcaagagtat agagctggct 243600

atTTTTTctt ctgtcgccct agatttctga tttttcccag aactctcca ggctgtggag 243660

tttacaacc agcccttcct aggggcaaaa acacctctgg gatcccttc tcaggctttc 243720

cctaactcac agccaccctc cacagagccc tgctgtgcta gcaacacagc ccaaggcaga 243780  
 aaaaggagca ttagagaaac cgaacaaagg atgattcaag agcaactgga aagggttatt 243840  
 ttttaagtac tataatatit gttttattit aacacactgt ataaagacct tcacttttta 243900  
 ttttacctct tttagtctt ttcatactaa cgtgttaaaa cagccaaagt gagaaatit 243960  
 ctgtcattat tcaaaatit atatacaatt tgtttgttt atacaaattc ccaactcttc 244020  
 tgccttaatg tattaagtaa cacaaatgtc atgttctacc aattagcaaa caggcttatg 244080  
 aaaaacagca ctgttatgta ttaactgtgt aagtttctt tgggccagaa aaaaaataag 244140  
  
 tagcaagttc caaatgttc taaatccaca aagcagtgt ttattaatta actaaactga 244200  
 caagcataga attttcaag tgaagaggc taagatgcta gtgtttggct acactttat 244260  
 ggatgtatag atgacatcca taaaattac atggttaaag catacagtat attttagccc 244320  
 tgagatgata tcacacagt ctaacttta ttagaaagga caaaggaaat acaggctaag 244380  
 aagaccgtaa ttttaatat aagattaaaa caaggatagg aaaatagatt ttggcacat 244440  
 aaaaaatat agacttctg gtgaaaaggt ggtataacca taaatatac gctctgcctc 244500  
 ctccaacat ctcatataa tgacccaaag aatataaaaa aaaaaaaaaa gaaacaggcg 244560  
  
 aaacttaaat ctttaatga attttaagaa aaaaaaatca catgtcaagc catttctatt 244620  
 taatgcctat ttcaattca agacatttct atttaataaa agagcaaaca gcacttgtt 244680  
 gtaggttaagg ctaacctat ctgtaacacc ctggcacaga agcgaaagag actccagcag 244740  
 atcattaaca ctcatgtctg tggggcagat gggagcctat ctgacctcac tagggtttcc 244800  
 agaagcatcc aggcaggag gcaccgtggg tgggaaatcc tctggagtgc atattcctgt 244860  
 cttatctttg atgtgatag gtacgccttc tgcagaacac atgcattttt ccagccacct 244920  
 cctggttgtg aaacaagagt ataaaagcaa cttaccagcc cagaggagaa gtcctctgcc 244980  
  
 actgtctgtg caacccact tcttcccta ctacttagg ctgttgatt tetgaccagg 245040  
 taatgtaaaa ctgtactaaa actcctctg cttcatctg agccttacag aacctatctg 245100  
 catcagttgt caaattattg actgtcaatt tcaattccac ctttcttgt cctgtctgc 245160  
 cgtactacag ctggacctg taacatttct ctttgccag ctggagaaat attagcttt 245220  
 gccataaag gaagctagag agacactgca aggtgaagt gaaggagtaa ttctcatcct 245280  
 tgttctagcg tgcctgtctg cttgtttca ttgcaactgt gcagcagcat gtgggacgcc 245340  
 cagtggcact tacggtgcaa caagtttct cagtaccca gcgggcatct ttccgtggat 245400  
  
 cagccccgc tcactgacac ccaggcagg agcttctgt tcaacagctc tggcccacca 245460  
 gcaactcaca aacctgtcca ccacacagt acatgcagcc agacctccc caatgggac 245520  
 taattctcaa tttgtttgg acaggaagt atccttctc caattccta gtctcttct 245580

tccacagtcc ccttctgccc tggagaaaaa tctgctccct gaatttgcca ttcattgaga 245640  
 cttagaatct tcttttattt ttttttaata cttaacacct ttgactcggt aatactttat 245700  
 attaaaaattc tttatattac tttaaagtat aatagaaagt ataatacttt atattaaaga 245760  
 ctactatata taaaattctt taatataaag tattatattc tttataaaat tcttaacaat 245820

actttatttt aaaattattc tctccaaatg actggtgaag tttgcctcct gattggaacc 245880  
 tgactgatac actgtcttac cacttaattt tgcataagca gagaagctcc tttataggag 245940  
 tgaacaagga gagaaagagc acagaacaca gaaaaagacg ctgtaggtca aaagaacaca 246000  
 acagccatga agaattcttg taaaaacatc cctatgaaat aattctactg caaaaaaagg 246060  
 agaatatattt ttagaattcc cagtttatct cctcaaattc aacaagattc aagcgccac 246120  
 tttatgtatg aaactagagc aaacactcac aaagggggaa ctccaaagac agtatagaga 246180  
 tgaaaaacag atttgccaaa tttaaaacat ggtaaagaca tgaattgcag attagattat 246240

aggagagaaa acaaattaat aatatctcat ttcaagaaaa aaacctgaa cattagagca 246300  
 aaaaaaaaaat atatggttac cagcaaagaa cagattgatc ccagacttct ccataacaat 246360  
 aatagttaaa aatagaaatg aagcaataac caccgagctg tcaaagaaaa agattatgat 246420  
 gcaattattc aatatccact agtgtcatca ttcttgggta aagataatag aaaaagtcct 246480  
 cagaatataa aaagtcagag agcattatgc tatgtatctt tcctgaaaaa atcctcaaaa 246540  
 aacctgcaac tagtagagaa aagactcaaa ataaggagct tagaaaatgg agaagtgtta 246600  
 ctataaaagg gctggtagta agcatgaatt taaatgttct aattaaaatt taatgtcatt 246660

tgcaagactg taaaaactta aggcaattt taaaaaccgt tttttttaa aatgcaaaat 246720  
 gtaataaaaa caataatttt taaatcataa taatcaaatc ctaaaacttc agcgcaagaa 246780  
 agttatagaa aaggtagccac atttcttatt ttacagagaa tcagtagtat tttattcatg 246840  
 attttgaaaa ctagagaaaa ataagtaaaa tatttaatta gaaaattaat ctgaatgaaa 246900  
 aaacaagatt tataacttcc aagttgcaaa aggcaaaaag ggcaagaaa tattttatgt 246960  
 aggcaagaa aaaaggctaa tgatgttttt taaaatgtgt ttgagcagtg aatttatatc 247020  
 ctttatagct attttctatt ttgtttacaa tgaccaagta taacctgtat aatcagaaac 247080

caaaaataaa tattagagaa aatcctgggg ctcaaagagc aagaatttca caagagacat 247140  
 tccattttgt catcacctgc aaagtcagtc agtcaaatg tacatacaaa tggcctcaga 247200  
 agaccaagta aggagacaga gcctagtcac acagtgaaaa cctcgaaaaa gagcactgtc 247260  
 aagggtttt ttttctttct tgactacagg tttttgttat tttttgtgca tgcattcatg 247320  
 catgtatgca tgtgtgtgtg tgtgtgtgtg tgtttaatat gtctattcaa tttcttgcaa 247380  
 tgcacacttg ggcaataaat cctggtctgt ccactgatta aagggtatca gaaaaataag 247440

ggatttataaa aaatcaaccg taatgtaacc cccttgccct acccatggag aactaaggcc 247500  
  
 cagaaaagta agtggcttgt tcatgtcagg ccaatagagt tagttccaat aaatgtatgg 247560  
 gatttagcagg aatactataa aactcacagt tttatgaagc cttgagggcc ttggataagg 247620  
 ctcaataaaa atgccctgtt gaatatgtag gaacctgccg agcagaggag atttctaaga 247680  
 tactggccag ctctaaaact ttatggttgg gggaattaat tggctacttt gtcttcaga 247740  
 ttttgagact tacaggttgc tcttctgggt ctccttcaga ttctggcctg aaactattgg 247800  
 aaagcctgcc tggctggtag ctgagctatt ggatcggtt ctcagccatt ccaaaactca 247860  
 ggctcagaaa tcttcagtt gctatctcca ggagagagca agattggaga taagatacct 247920  
  
 atatatataaa tcattaatac atttaaaaag tacatgagcc tcaacgcaca ctaaaagacc 247980  
 agtccctgag tctggaacag ccagcagtga ctttcacaga ttcttattat ctgtgactaa 248040  
 ggtttctttt taacttatct gtcaaatact agcttgttgt tttttccaga acgtaaaaca 248100  
 gtttctttt ttcaactgca tgcctacctt cagattgagg tgagaagtgc cttgaaatga 248160  
 aagtaaatgt agagagggtgc tttttggtc tacagtgcac acttacaggg aaattaagcc 248220  
 attaaattta gtcaagagcc ttttacagct gttttgttat ttgccaag ctcttttatg 248280  
 aaagatttgg gaatcattct aaaataccat tgtgcatttt agaagaaaaa ctaactcaa 248340  
  
 ggacactatg cttctccag cttgaggtgt aactctgaga atttccatct ggaagcggaa 248400  
 gcctgtggat gtcaggaaga taagctttgg acattctcca gctgtccctg acatgactgt 248460  
 cagagggccag gagagaccca gggaacatgg cctatggtat caaggcacag gggcagccat 248520  
 ttcagccaca gtccatttig tccagcttac ttttatctgt aatcaaaaata ctcaagtgt 248580  
 tctgactata aatataatata atatatgact tccatattgg atcttaattc tcactacctc 248640  
 tgcttaagtt gagattttgt ggttgagtca gctttataga atagtatttc cgattcttca 248700  
 attagtacac cccctcctta tcagaagttc catacagatc cattctgagc tgaattcccc 248760  
  
 tctcatgggg ataattgattt aatggataat gacttaggat aagttcagct ttgcaccagg 248820  
 gaaaactagt aagcaaattg acaaagactg cttactggga agttttgttt gttaaagaag 248880  
 gtctctcaga catgtaataa ggctatgtcc ctgacacag tactgtctct ctatacactg 248940  
 tgacaaaaaa gtctccacag gaagtgggtg ttactctgtg tgtgtgcatg tgcgtaagta 249000  
 tttgtgtgtg tgtgcgtgtg cgtaagtatt tgtgtgtgtg tgagagagag agatgcagag 249060  
 caagcgagag agaaaggagg gtgtgtatgt gggtagttag tatgtatgtg tgtgtatatg 249120  
 taagctgtac atatttctct ctgcataatc caggtgaaag actttgggtt attattctgt 249180

tattactctg ccccaaatat ccaaattggt atatccaaa gcaagtaatc agcacttaaa 249240  
tatttaaata attatgcaat caactaatca attaagtcac ctgttgccag caagtctcca 249300  
attatttaca agaattgctt ttacagtctt tttatgggct aggtataaaa gcctaggtaa 249360  
gacagaaaag agctttctca cacagtagca aaattaaagc accctgcttt atgtacctgt 249420  
atgttagcac tcagaaatat gcacatgtac cctcacagga aacagctttg tcattatatt 249480  
ttcctttcac cactgaagtc tttttcttc ctttaaaact tgtttatgat gctttgacca 249540  
atgttatgca aaaagatctg taagatcttt cagtttgaac taatacacta gaagttacca 249600

ctcaggaatt agcaattatc acaaagtagt ccttgaattt aactaaggag acaatgcaac 249660  
gttgggaggc atgggcttca aatgcctata gacacatttc agaggtatga tgtatgggaa 249720  
atgtcccagc agataactgt tatgtaacca ttgggccaat gtgaataaag aaataactca 249780  
taagtagatg tccttaatac aaaccttgca gtctctctct ctctctctcc cgatttttca 249840  
aggtacagag gaacactttc aacattccaa aatgaccta gagaaacaga aaatgttatt 249900  
aattaactct cctgaagcca aactaaacac taactttgcc aatgagatat gatggggtta 249960  
gattagaata aggatttgaa ataaactatt tctaattcac ccatgacctt gaaaactcca 250020

tcaatgttta tttttctacc ctggatatca gattttgagt tttaaaagga gtgcatgaat 250080  
atctgctaaa tgctaaggaa aagaatacta tgcaaaagct taaaatggca gctgccaata 250140  
ttggtacctt ttaggagctc ttactattac atgtctgttc ccagaactgc taaaatcaga 250200  
ggaaagaagg acaaaactca cttttccctt tgccatcttc cttgaaacac acaatttcta 250260  
atttgccatt ttcatctttt gggagaaaaa ttattaaggt ggttttataa ttttaaagca 250320  
ttttccta atactatttt aaaagtcacc ctgagaattt caagagagcc acaagaatgt 250380  
atccataaca atgcaaaaga taaacaatag aatatcaaga aacacaccag aggaggcaag 250440

gcaacaggta aactgacct gcattttagt aactcgtttt ggccagagaa taaagcagac 250500  
agctctgtac aacataaaag atggagtcca acatatgcta ggtcttcctg ttgtctcagc 250560  
cactaaagaa gtccaggcaa agctgtgcag ggatgtcttc ttaaatcatg aaaatcaacc 250620  
ctttatcctt tacttccatt ctgtattttg tcttaggggt ctttccttta taggatggac 250680  
tgctttcaag ttactcatct cttttcttag aggtcacctt gataatatta gttaggcttg 250740  
accattttct aagtatagc tcacatacaa ctcaaaccg tcaaagatgg gctctctacg 250800  
ccattcaca tcagtgcagt ttgaaatact gtgaaaagat tcaaactatt aagcccttag 250860

ttgacaagtc caaagcatac aatgttcca tttgggtggg gggtacagtc tcatggcagg 250920  
tcaactctcc cagcacaatg gaatcagcat gtctttaatc tatgcataac acttggacag 250980  
taatgggtta tttttattta ttttttgag gtgggtgttt ctttaaaact tccagcaaca 251040

tttaaaaata gtcattattg agctatcagg atttgattcc catgtataaa atgcattcac 251100  
 tgtaaaaaa acatgacatt ttctctcttt ataattcact gaaaagtta gccaaagcatg 251160  
 aacttttttt taatgacatc ctgcttatta ccgagatttc tgcacatgac agggatttgg 251220  
 ctttctaaag agaactgttt tttttgttg ttgttgttat atcactgtgc tgctgttgtt 251280

gtttagtttc tttcttctat ataagtagaa tgaatttaaa aagagaacct tgtaatacac 251340  
 atgaacagcc taaccgagtc atacttatca ttttatagtt cacgtacagc cccaaatcga 251400  
 actgaaagcc caaattaaca gtaaaacaac tcttaataaa aagcatatgc tttactata 251460  
 cagcatgatg ttgtatttta taattctttt tcaattgggt ttactgcttt tttctttaaa 251520  
 aaaaaaaaa ttgtccctt aagtaattat acacccttt ttggtaaaaa tggctgcca 251580  
 tctcaaattg gaaagcaggc ttataacctt gcaaccgata catttgagtt gcacgcctgt 251640  
 tcctcaaaca cccatcaact gaaatgtata gtagagacag agatacttc acctgccaca 251700

atctacaagc atgatcgcta cagctgggct agcatagagc actgacggca acattcatct 251760  
 gaacacagga tgctccaagt agtgcgtctc aaacctcagt gcacaatcaa atcacctggg 251820  
 gatttgctgt atcttccaat caccaggtct cacagcacac cttttggatt cagaagatct 251880  
 tggatggagc ctagaatttt gaatgaacac ccaggtcatt ctaaagcatt catgggctcc 251940  
 cactttctga aagtcactca taagtggatc ctgcatctcc acgcccagc ttagagagct 252000  
 ggtagacaga cactcaggtt gggacaggta ggcaaagcta gctaagaaat acaacgcaca 252060  
 gctgcaaagc agaaactcag gattgcccct gctggtggtt catgaaaagg cggatgttgc 252120

tgctctatca tatttctctc cctcaaagaa ctctcccta accctgacca ggacatacca 252180  
 cctacgcggc agtcggatta cctgaattca aacgcttgct ccccaatag cttagcttct 252240  
 gcctcagttt ctcatctct catatgggta taataatgag ttactagaaa ttgtttaaat 252300  
 aaattattta agtaaaatta cgcataaaag tgtatataga gcagcacctg gcacatagga 252360  
 ggtgctcagt aattgctctg tgtgtgtctg atgtgtgtaa gtacacaaag tctgcttac 252420  
 aatgcagaag agaaaagagt cactgaagaa gtaagctgta gaaggccatc atacgaactg 252480  
 agagccaagg tgcaagtttg aagttttatt catttaaatt tgtacaagac atgcactcca 252540

agcatttctt cccactctct agtatttcta ttctccagc tcccttcgc cggactggtt 252600  
 cctcatccca atgcaagta caagttagtc ttcttgctaa ttattgttg agctagctcc 252660  
 agcctaggga tggtaaatat catgaaccag gggtctctag gggagcaggg tcatttcagg 252720  
 gtgggtcccc aaaccatagt ttgggttcag gctgaaacag cacccaacct aagccatgac 252780  
 ttggtgtcct catcatctgg gctttgtcag agaaattcta gaaatttagt tctctctttt 252840  
 cctgattcct tgttttgtat gccctttgtg gctcatatat ctgtaaacac tcacctactc 252900

ctcctgtag taatttatgg aaggctgatg tcatcaagcc ccacaatcct gagagattca 252960

gacaaatttc catccccgtt ctccatctct tctgtgatca atgtcctaag ctggtttctt 253020

ccctcatcag atataaagat tctaccaac tgtattatat tttctttctt atggctctat 253080

atattataac tgaatcattt actgtatcat aggagatgtg ctttcctat tccattgatt 253140

tggaaactcc atcactatga agccaagttt ggggccccac tectctacca gcaccttttc 253200

ttagatagca ttaacttaaa gcaacatcat aggacttaat ttcatttcag cctcctggtc 253260

tcagccatct ctgtcacttc caaagccacc atgatcttgg taacgagatc ttgcctccat 253320

ttggtcatta ggcattttta ccaaactaca gaattttaga gcctgaagcc aattcaagag 253380

gatcatctac catgatcttc tttcttctcc aaatacagaa actgtagttc tcctttaaga 253440

gacttgctca aggtcacata gttagggagc agcatagagt tttctgatct catgatgaag 253500

acaacagacg tactcaccaa ataagtagct accataggaa gaaaattcat tcagtgatgg 253560

aattgagcct ttaaaagact gagatgaaca acaacacaac aacaacaaca aagggaattt 253620

ctggaggaga tgaatacgtt cagtgcattt actgtggcga tggtagccag agtgtatgca 253680

tatgtccaac ctcatcaaaa tgtatacatt aaatatgtgc aacttttacc aattagatgt 253740

cagtaagatt tattgaaagc ttaaaaataa aaaagatatt caggccgggc gcggtggctg 253800

acacctataa tcccagcact ttgggaggct gaggtgggag gatgacaagg tcaggagata 253860

gagaccatcc tggctaacaa ggtgaaaccc gtctctacta aaaatacaaa aaaaaaaaaa 253920

aattagctgg gcatagtggc ggggtgcctgt actcccagct actcgggagg ctgaggcggga 253980

agaatggtgt gaaccagga ggcggagctg gctgtgagcc gagatcgtgc cactgcactc 254040

cagactggat gacagagcga gactccgtct caaaacaaaa caaaacaaaa caaaaaagat 254100

attcgatagg gatcaatata tagcctagac ataggtgcta aaaagagttt ttaggatatt 254160

tgcaaaaagat ttattcaaaa tagctcaaaa ccagaaacaa cccaagtgc caccaagaag 254220

tgtatgcata ggcaacctgt gatatagtcg tacaatgcaa cattaatcat caataaaaag 254280

gaactactta accatgcagc aacagataaa tctcaagaac attatactga ggaaaagaag 254340

tgagaaacaa aagtgtacat acagcattat tccatttatg taaaattcct ttaaaggcaa 254400

atctaacta aaggaataga aagcagagaa gtggctcctt aggccagag ccaacagaag 254460

gattgactgc aaaggaacac ctcacgaaga aaaaattagt actttgtgag gtgatggaaa 254520

tgttccatat attgactgtg gtggtggttt cacaagggtg cacattggtc aaatttcattg 254580

gaactttata tttaaaatgt aaaatattta cactctatct aatgtaaatt atagcccaac 254640

aagttgatta aacaatacat tttaaatctg tagagtgtag gaagacttga ttaatgagtt 254700  
ccatctacta tcccataaga actataatct ccatgtgaaa aaaatattaa attttaaag 254760  
attataaatt taccacggag taacataatt gcaaaagaaa aagaatgcca tcttaggttg 254820  
tcttactaaa aciatgtttc tcagaggaag ggaaactgtg atcctattat actatgcatt 254880  
catcaacgca tacctgtagt gttatctcct atgaccgatt cctatgtccc catacctaaa 254940  
gttttgttct gagtaccaca ttaatttttc tttcttacia aaggaaaatg tactataatt 255000  
agtatattct aatgaactgt aaattgtaaa ctatatttaa aatacaata agtagataaa 255060

aaagaacatt gaccattatc tctccacctc aaaatagcca ccaaccatat gttggatatt 255120  
tatctgtagt acacatctc cagtctttct ttaaaaatgt gaatttaa atgtactaaa 255180  
aaatgaatgt ttctgtgatg ccacttcata gcctgtctta ttttctctaa aaatataatg 255240  
tgactttctt ttcataatgt taaatttttt ggctgggcac agggggtcac acctgcaatc 255300  
tcagcatttt gggagggtcaa ggcgagggaa tggcttgaac ccaggagttt gagacgagct 255360  
tgggcaacat ggcaaaaccc tgtctctatc aagaaaatat aaaaattagc catgcatgga 255420  
agcacatgcc ttagtcccta gctacttggg aggttgaggt gggaggatgg cttgagccag 255480

ggaggtggag gttgccgtga gctgagctca agcctctgca ctccagcctg ggtgagagac 255540  
caagacctg tctaaaaaaa caataacaac gatgatgtcc aattttcttc ttatttgta 255600  
ttgatatctg ctgagtatc cacagtctaa agcaatcccc tattattgaa catttatgat 255660  
ttttccatgt ttttaaaaaa attgtcagca actttgaaat taataacctt atagcttaat 255720  
ttctaggcag acaaaaattt ataaagataa attcctagaa gtgtaattgt taatacagaa 255780  
agtatgcaca ttcttaaggc tttcaattgg cactgacaaa ttgagacca catttaaaag 255840  
agatgctgag aaactggcat ctgtccaaag gatggcaacc aaaacatcca tgcagcatgt 255900

cttagagaca ggagagggac tgggcatagt tggcctggag aaaataaaac ttagaaagga 255960  
aagatacttc tctcaaaaaa aaggaaagag attttgtttt tctgtctgct tctttgtttc 256020  
tcatttaaag ctgattcaac aacagaacag gaaaccttgg gttggccgtt aagctattgc 256080  
atctcagctt aagaaaatat cttctatgc tgttctttga gacactggaa atctacaata 256140  
tttctctttt gccagggtag tccctgtcgg cctctaccaa cagggggcgc gggggggtaa 256200  
gtgaaggaaa gagaaagggc gggctggtcc tgttctcttg tcagcgtccc tccactaaag 256260  
gttcttcac tggcagcag cagtggattc cagtttgtca ttttgccaac actcccagaa 256320

ccagcctcct tagcagctc ttcctcagaa atctggttcc cagctccata ctttctctg 256380  
agcttctaag ttttaataat tccaatctct ttcctttgtt cctatctcaa gagggaatag 256440  
ctattttatg cagtcacttt cttccctttt ttactttccc agttttctga tacctagttc 256500

acaattcttt atagttagct ctctgttaaa atgactgggtg tgattccagt ctcttcattg 256560  
gacctgaat gatattgtcc cccattgctg gagctaagta aattgagaat gaattatctc 256620  
tggcctaaga atttgtaaaa gaaatttctg gaccgaaagt aagttacacc agaccagtgg 256680  
tcttaaaatc atttttttca atataatcct ttttgcaaat ataattattat gtcaaacca 256740

atatgtatca aagcagtggg gctttggcta aaatggaggt atggagtatc ctgccctac 256800  
ctgcctggcc ccattccacc agatgcttct gcaaagtcct gtcctgacc cattcttctg 256860  
ggaaacccct gggttcagca ggggtttgtc tgacaatttc tgatctacac aactcaagt 256920  
catttccaaa tcttctgatt ctgtaacaat ataattcttc ttgcatggcc tcaaggctct 256980  
ctggagatct atgtggccca gtaacagctc aagcaaaaca caggaaccac cacaggctgc 257040  
ctggtattta cctagctgtc ccatctacag atcggggccgc aaaaggaagc caagagatct 257100  
ttgccagcca ggcagggtaa agcgggtggag aaaccattat gattgtggtg ctgccattcc 257160

tgctgttagg ttaaggacag gtcagcattt ttcactataa tcccccttct ttcagagggt 257220  
tctaacatgg ctataaaact ctgccctagc ttaaagtttg gcatgaaagt tttggctcca 257280  
ggctgtcctt tctttcagtg aaactactat gaatgtgttt agctacttta gaactcagag 257340  
agggcattgg atcatcagaa taagagaagt ctgtgctttg aaatgcctcc cctctgtccc 257400  
ccgccccacc ccacaacatc agaaaaatga ttaagctacc ttttcttaaa aacaaatgtt 257460  
ttccaggctt ttggctgaaa atacagcctt ctttctttag gaaactgcta aatagaacca 257520  
aactcttcca aggtaaaaca gcttaatgca aacaagatat ttcatactaa aggagggttt 257580

cttgcaacta cattctactg tggtttgggt tcagcttgta tcatcattac ctctctgat 257640  
tccttgaaat aggggtcccat tgcttttggg gtaaatcca aacatttaaa ttttgcacag 257700  
atgacattta tgccttgac atactcaaca atagtcaaca tgggtggtaa gtgaaaggt 257760  
ttagaattat tcctctttg caaattaaaa gattgaagcc caaagagtct cacaggctta 257820  
agatcctagt caaaggcaaa ctaggaaaaa gactgtcttg tacttctct gagaggtatg 257880  
ctgcctcctt aaactgcagg atttgcaagc catagcgaag aaagcaaaaa gggagcccac 257940  
cacctgaaag cctctacaag tctggggcag ttcacccac tgataagatt ctcacctgca 258000

tgccagcaa tgctctgtc atcagcggag gtcagagcag tttcaaagtc cgcattctgt 258060  
tcctctgect ttgggatgcc gttaaagtca caaccagagg aatgccttta tccccagca 258120  
tgtccccagt gctgggaaga gcatggctat ggagccagag aaacctagct taaaattcta 258180  
cttttaaatc cactcaaaat aaggaaaggc cttcttttct accttgaaa gatggatgtg 258240  
aaaaaaaaa aaaaagaaaa aagaaaacct acctgaaaca ggttgctgta atcattcaaa 258300  
gcaccaaca cccaacatgt aagagaaatt caatgaatca gagctactga taagtaaca 258360

tcaacactgc tctctcaaaa tttaaaaaaa agggaagaaa atagaagaaa taagaaaaag 258420

gtagttatatt aacagacact tgttgaaaaa agaaaggata ctctgaatac tctcctcctt 258480

aagggtggaa aatatgcaca atgatttaag aaggtagcat acaggatcca ttgggaaaat 258540

gctattgtaa aagtgtttgt gcaggaatct gctgcttgt caaatcaat gactaactat 258600

attggaacc ccttggttt atgactgggt tgaaaaccgt gtgctgtggt tcctatacta 258660

tcctttcttc caattctaag acacctgaca tattagtttt cccatttatt tttccagcat 258720

tcttgcatc gtaagcatct cctgagcacc caccatgtct caggtattgt gctaggcact 258780

agagacacag aggttaagtgc cagagctcag attaggtga ggcatgatgt attccccata 258840

ggtgaatcat ttaagggggc tccaaaaact cagtaatcag gataaaaaaa cattttgatg 258900

cagtatttaa aataatcaac attagtacaa aaaaatgcat gatgaacaaa ttatcaaaaat 258960

tttaataaaa gacaagatga tttaatactg cctgtttgtg ccatactgga gctaaggga 259020

aggataaatc actaatgtgt attctacccc atttaaaatt ttgatatttt gttcaccaag 259080

gattttaaaa attaatactg attaaatatt acattaaaat attatttacc tttattattg 259140

agcttttggc acccccttag atttctgaca ctaatcctgg cctgagtag gacatatttt 259200

gtagttggct gaaaactgaa atactaatgt caacaaaaga gagaagtcta ggggcattaa 259260

aatacattac aaatatcaaa gaaagataaa gtgagggggc agataacgca aggtctttca 259320

gtggcaatac ctgcagccag gccttcctgt ggatcatctt gacccccggg cgtacatcgt 259380

acaaccttca caccctctc acctctcaag gaaacggtgt ttgaggtggg tctgcttacc 259440

acagtccttg tcaacttgca gcaacacagg gcaactgatt tcatgagcag ggtttctact 259500

ccacaggcgg tttttccagt ctgctctggc ttgtccttga ttacggcagt agagggtaga 259560

atctgcccc gaactgtttg gccattagct attcctaggt tacacaatga gcttcatatt 259620

cagtgacggc caggcactca aattcttgca catcactaag gaatactgtg ctagaggga 259680

gcatgactac cagacagagc tggtaaaaa atgaccact taccttctat acaaagtatt 259740

attaagcatc tggacctcc tagccaggcc tctgcagtc tttgtctca ccacattaac 259800

cctttttacc ctgtcgata tacttactgc aatggcagag gctgccagct gtgtagtaaa 259860

ttagactaca tttcccagcc tccttgcac ctacatttgg ccatgtacct gggttttggc 259920

caatgggatg tgaggagagc cacttaccg ctgtcagtc tctcatgagg aatcctcatt 259980

ttctttgctc ttatctggc taaatggaga aaacactgtg gacccccag atactggaac 260040

ctaaggtgga tggagcctgg gtcctggat aaacacgtgt aaagccctcc caactagtgt 260100

gaaatatatt ttgattgtgc taagccactg tgatttggag ggactgtaat agcaaccagc 260160  
 ctatcgtgac taatacatTTT cccaactag actataaact cctcactgcc agactctgaa 260220  
 tcggatgcat ctctgttttc tcaacagtga gctgcactgc agtacaattc tatcataaat 260280  
 tagccaccat aatttcctc cagaagccat tatatacaag caattctaca atcattacca 260340  
 agaaaatgac taatggtaaa ttgttctcct tttgtattc tcaaacttga aaatgaaggc 260400  
 aaaatactcc tagaagccac tgttcattat gatcactaaa tagaaaaatt catgcttctt 260460  
 aaatgccatt tcatatgcat aatcagctaa taatctaaac ataacaaaac atccaaagac 260520  
  
 agaggacaga atcggaatgg gagccccaga cacataactt gagttttcct ctggaaagat 260580  
 ttctaagca ctatggtgtc ttaggatatg tttgtgctct gtgcatatca cagttgacat 260640  
 cttgtcaaaa ccaagggaaa taattgcatc tccgagtaag agcatcatgc aggcagcaat 260700  
 ttaaatgtgg cactgcttat cagcaccaat ttactaacat tttactgtat ataactatgt 260760  
 gtggtagaag aaaaacttct acatccttac caagattcag gcataaaaac aaaatctgtt 260820  
 acacttcag ttcaaaagaa gatagaacga aggaaaggga aataaaatga gaagctgtgt 260880  
 ttcttccct aagaaataaa cttttaaga aatttaagtc ctaaacatta catcttcatt 260940  
  
 tgaaatgggg tgggcaagat ataagccatt ttgctcaggt cttgaggag aagaaaaaca 261000  
 acctatctta tgagactatt aagctaacac ctcagcaagc tgcaggcatg cttctcattt 261060  
 attacacgaa gctgaaatct tctgacagtc cataattatg tgctgagaac tctaatgaat 261120  
 aactctgcat cagaaggatt cagaaactt tgatcagtgt cccgggaggc agtgggtcaa 261180  
 gatgaacct gaaatctgat taacttcacc atcttatcta acattctaca aacactgctt 261240  
 tgtaactctc cactctttac ttgcatattc tggaaacaca atttgtcag acatactaaa 261300  
 glagtcttaa aaattgttca tttcacttt cgaacagac ttaagatgga gtttgtacca 261360  
  
 ttcccatatc atatttttcg acacctcttt ttgttccaag gcccatggtc ataaaaaagt 261420  
 tatgttttgg ggctcaatgc tattttagat gggtactag ctgtaattta gtacctgtt 261480  
 ctctgcaagt gccaaagttt ttagaagacc taggtctgaa gtggtgacat gtttaactg 261540  
 agttatccac aaacctttt ctctgttccc ttgggtttg agatatataa ataagggaac 261600  
 agaaatttga tttaattgaa gctgaatcat ctgaaatgg aatagaactc atgcctgtgg 261660  
 tttcatccac aatttggtc aagtgtgtg tgtgtttatg tgtgtttaat gaaaacacag 261720  
 ttgtcttgtg gacctctta ctagaatttg ggcagcaata gagcacaaaa catgtgccac 261780  
  
 tactcctcat cattgcacca aagcagacat cactaatcaa taccctactc ttttactga 261840  
 gcctggcagt ccataatcct taccacagcc ctctaggtag ctgctactag atacatggaa 261900  
 tttaaatact aggtgaaatg cagctccag ccttgaattt gtcctgttac taatgaatgt 261960

ttgaagtgga gaagatgttg ccatttatgt tgttcaattc tcccattcta tgggtaaaaa 262020  
 tacctgagaa attgaaacat taatttactt tccataggtc atacagccaa tctataggta 262080  
 ggaacttttt agttaaaac ggagttatit tttatgttcc ttcttggat gatttatacc 262140  
 actgaagatg tgiatgacaa tgtttaagag taagtaatga ggtcaagaaa aatatctcag 262200

gtgtgtttta taaaccaagc caaaaacaca agaaaaaatc cactgcagaa agtgcaagga 262260  
 gagctataaa aattaccctc taccttgaag tctatgcaag atgaccagct aagcttacag 262320  
 tactcttgcc ctatgtacca ttgtcttaca tcaataatit ctggtttcac ttgtacttc 262380  
 atgccagaat aaaagccaac gcatgtagaa atcatctcta gagaagaaa ctgcctctgt 262440  
 ttaactactc tgggttcac accatttaca ctattgcaga tgacttctg cctctctcca 262500  
 ggagttcaga tggagctgct caaggctctg ttaccattca gactctgagg ccaggatttt 262560  
 tagaacaaaa cacagcaact ttccaggctc tgtttttaa aagccattc tgtgtttctg 262620

gcttggtagt attaaaaaga cagcaagaac tcctttggga ggggagaaaa agactacgaa 262680  
 gccctcaaac caacagcaga gtgatatgat gccagcaatg tgtaattctc ctctcttcc 262740  
 ttctctctc taacacacac acacacacac acacacacac acacacacac aaattcctag 262800  
 cctccctta aacttagagg ggcctgtggg atatctctta tcttgcggtt ctctacattt 262860  
 gaagaacctt tggtagaat gcatgcgcaa ggagaggaaa aaataatggc aaattgctaa 262920  
 tgctatcaag ccaagagcct ccagcagggt cgcgtggtgg agaagaaaca gccacgggaa 262980  
 aggacttcac acaaggagac gaggaggagc agctggggag gaggtggaag tgggtgacgg 263040

agacatggag ccagaaacag agctgtgagg aagaaggga aaaaaggctg agcagccgaa 263100  
 ggatggtggt taaaataact cgtggttaaca gactgttctt tgttaccaca cactgctctt 263160  
 tgttatcaca cattacagaa agttataaac aacagaagca tgccgtacag taaagctgag 263220  
 cttaagctc cgagctctgg tgacctaca aactccttgg ctctctctc gtgtggactg 263280  
 acgctgtttc tagaacacca cgttaggact tggccatta atctgtacat ctcaatccat 263340  
 gcacaggaat ctccaaaat gcttggcatt gtgttcttaa agaagcctct tgcattcata 263400  
 ttgatgcagg tcaaaaagac gcagataagg gtgactccat cctagatgaa aagtggctat 263460

caagttttac aaacaacgca atgcaaaaac ttttgggagg aataaaaaaa agcacataga 263520  
 aatgatctt gttagtgtt atacataaaa ttatatactc aacagaaaca aaaaacagc 263580  
 ttgcaaatga aggaatggat aaataaaaag ctctctctca atcttgactt gacttcaggt 263640  
 caagtaaagc aatggtcaga cactaaggaa cactccttgc tcaaaactcc accactgtgc 263700  
 tttctctac tgcattccg cttttataat caatcagttt gcctctatca ctgatggctt 263760  
 ttttttttaaatcttccat ccatttaagc attgatattt tctaagggtt cttttttctt 263820

ctcatttctt acitctgatt ttgaagatgc ttgtttctc tccagattgc tgggtgtctc 263880

ctgtaccagc agagctcacc acttctctt ctgtagtatc tctcagacct cacttttctt 263940

gatggccact gccacctct cattttatcc tgtccacgtg atagccagaa ttaaaatccc 264000

cactgatctc tacactgacc ctttctcccc tgccattct atccttctga gaaccatcaa 264060

aattattgac atattataaa tatttgtccc tgcccaaatg tcatgttgaa gtgtaattcc 264120

cactgttgga ggtggggcct ggtgggaggt gactagcttt atcacggggg cggatttctc 264180

atgaatggtt tagcgtatc ccctcgggtg tgcctcgca atagtcagt aattctcatg 264240

agatctggtt gttaaaaatg gtggcacccc actctctctc ttgtctctgc ttttgctaag 264300

tgatgttcat gtgcctgct tccccttccg ccatgagtag aaacttctg aggcctccac 264360

agaagcacat gccactatgc ttctgtaaa gcctgcagaa ctgtgagcaa attaaacctc 264420

ttttctcata aattaccag tcttgggtat ttctttatag caacgcaaga atggccta 264480

acaattatcc ttctaaaaga cagctatgtt aaagtgccta ccatgtgcac gtgcttttaa 264540

ccatttctt gtccttacac gagtgtcca aacttcacag gatcagaaat tcaatgtctc 264600

tcacaatttg acctcaacca ccagatgtaa ctaccactgc acataccta ctcagacatg 264660

tattttcagt attctatgtc ttggaacata tcactctttt ggcatgtaat ttacttgtct 264720

ccacctcagt ctagtgaat cctcaccccc caagtcccaa ctgaagaatc atgacctcta 264780

tgaacttcc ccaacccac cctggggcaa tgagtcattc attcctctc ctgagttatc 264840

acagcacttc cccatatctc catcacatcg ctgaatatgt catattccaa gccataactt 264900

tatgtatata atactgtgag ctctcagaga ccaggatcct attcgtggta tccccagac 264960

ctaacacagc acctggcaca tatgcagaat gtttattaca ttggggtgaa ttcaataaaa 265020

ttgaaaaagg atcttcaga aaacaaatct ttaacaatca gtcagacaca ggaaattgtg 265080

aaaagcatgt gtctccagag aggaaggatg acggaatgtg ttaagagacg gactttccac 265140

tgtatgtcct ttgggagagt tttagatttt ttaccatgt aaatgtacca ctgtcaaaa 265200

cagtgtctgag caggctctac agcatgtgcc gggcactgtg cacaggaggg actttcagca 265260

tcatgaacaa cticactaac tagagagagc catgaacttg aataaccct gtggagatta 265320

atctcttttt cccctcaagt cccacagagc ctgtctgttc ttcagttgta gcattctcca 265380

cagtctaact gataacggca tgatttagag acatgtctc cacattggac ctggaacccg 265440

tagacggcag aggtctccta ctcttcacct ctgcacctc tacaaaatcc tagtttagtg 265500

ctatgtgtac atgtggcagt caacttgtaa ttgtttaact gatttggact ggcctgaaa 265560

acatggcaaa gtctgaaatg aaaataaaaag gaataactat atttgtttgc agccaataaa 265620  
tcatgtgaag tggaggcaaa gaagacaaaa cctaaaatat tactaataag taataataat 265680  
aaatactagg tgattatggt cagatgagta cagaggtaga acagctataa aaatgtatca 265740  
gtctgttttt catcccttat ttaggccatg gataaacatt tattattcct tctccacttg 265800  
cggcaaaaca tactttcaag tgagagcctt aaatagatgc acatccaaag ctgtacagag 265860  
ctactactga gtgaagatga aaaaagtitt gagatgaaag aagaaaagga aaatggattc 265920  
tgaaatgata gcctcataaa caaacacagga aaacaatcgg caatttcctg atagatctaa 265980

ggcctccctc ctccagtga aataccccaa ctagagtctt tagtgccagg gaacagtttg 266040  
aaaaccccat gatatggaga aaagcaaaaa gtacaggatg tgggctctgg cctcatagag 266100  
cttaaaaata gagttgtatt aacaccaca tgaaggtta aaaaacaaca gatttaaggg 266160  
ggaaagtgg tacatcatca taaaattcat atcggtgaaa aaatattcat tgagtaccta 266220  
atactgaaat ttttagtatt catattccia catgaactaa gggtaaggta ccaatcctgc 266280  
tacacagtcc aggcctgacc gcttctcca tgaagccttc agtttcttcc cactcacagc 266340  
cacaaggaat tattctcttt ggccccctcaa cacaggaatt tatccatacc ttggttacct 266400

cacttctatt gtccatctcg cattatggtt agttatgtac atggattggc cccaatgaa 266460  
ctttagactt ccctagacag actccacatg tcattcatgc actaacaact cctcaatgcc 266520  
tttgccatag tgaactcag ctactggct agacaagggtg tgaggatagc catggcagat 266580  
ctgggtttgt cttaacccc aacataacct acaagaattc aacttctgaa agggagaaag 266640  
aataaagaag aagggaaga aaggagatga aaaaagagag attagtatca tgtacctcaa 266700  
tccttctatc ggggcacctg ccacacttaa ttaatttac cgacctgcct ccttttgga 266760  
gaaggcattg gtttttattt acctttgcag tcctgtgggt ctagcccaat ccttggcata 266820

aaacatatgc ttaggctaatt aattatttgg tgaatccaat aattaaagaa gagagaaagg 266880  
ttggaaaaat aaatgttctc atttgattag tgccactga aatgagagat gaatgacagc 266940  
caacagaagt acaatctcc cttattttcc ttatcttaaa ttggctctaa gtgatttaat 267000  
cttgtgtctg tccttaaac aactttgaaa gattacaagt caaaattcac aggaaaatta 267060  
tcttcttatt tcttaaaact ggctaattcc cattgtagat ggaattcact tcaataaata 267120  
tttactgagc accaactata tattggatgt attcctaag ccagagagta aagcaataaa 267180  
tgtgaccttg tcctttctcc tcaaggaacc tacagtttag cgtggcattc cttgtaaatt 267240

ttagtgctt ttactatgac ggaaataaaa ttatgtagtt tcacatttat gaagtcac 267300  
attttaagc caaggccaaa atggatattt cttttcaaaa gttgagatac ttcacagcca 267360  
aaatcctaca tggcaggatg ccagtcctaaa gggcttcacc ccaaaaggcc tgtcttcatt 267420

cctcgagaaa aaaatggaat agacagctcc tcagatggag ttaccaatga cttaatTTTg 267480  
acagaaacat ctatatccat gagctgtgtt aaaacaaagc tggtagaaag actttcccca 267540  
gcaacttgct ttaaaacaaa ctgtaaatgt ttgctttact tttatTTTT atgaactagt 267600  
cccaaatatt ttgatgtggc ctagtttttt atgtttctta ataatccaaa tattcatgtc 267660

tgtctcaact gcagtgtgga agtttaaact caggTTTTgt ggggatgcac tgatccattg 267720  
tataaatgga acagtactaa caagacacgt atcacctctg aaaattgctg tttaatgttg 267780  
gtatatctca aaactgaaaa atgaagatgt ctaaacagtc tcatcttgaa gagtggataa 267840  
catttttttt tcctttacaa acgttttaag agaaaatgta tatgtgtgtg tatgttaata 267900  
aaaaactgtg tatttacata cagcacctta caaattcaat caacataaat atgaaaaaag 267960  
gaaaatatat tattattata aaattgctga ggaattatta atgaagaaca ttgccaaaat 268020  
gttaaaaaca taaaaaatg gccatgtgta gtggctcaca cctgtaatcc cagcgctttg 268080

ggagacccaa gcaggaggat ctcttgaggc caggagtTTg aaaccagcct gggcaaacc 268140  
catctctaca atttttgttt ttttaattagc caggcatggt ggtgtataca tgtaatctca 268200  
gctacttggg aggctgaggt gggaggatcg cttagagcca ggagtTTgag gctatggtga 268260  
gctacgatca tgccactgca ttctagcctg ggcaacaaac aagaccctga caaaaacaac 268320  
aacaaaaacc cataaaaaat tgaattctca ggtgtctcca ctaattagac agtgacaaag 268380  
ggaaaaatcc acatttcgg gtgacataa agaggagtat ttatTTTTgt tcagacaaag 268440  
tggtgcctcc cactgtgtgc catgcccacg gcagaggggt gcaatgtcca gaactctgct 268500

cctcgttgc tcctttctgc cctgtgtcag tgggttgtcc tgctgggct cacagggact 268560  
gcagggggta tgattcctat tcccatacca gctttgtcaa agcacttgtc ccagaagtgg 268620  
atcccatccc taaaacccat tttaggcaga gttgtgacac aggtgactgg cattgcccct 268680  
tcctttctac acaggeccac tgctctcatt atcttttggg aaacactaga tttctcctta 268740  
gtgtgcctt cctgcctaca gccaacaga ttcaactgc ggtcctggct caatatatat 268800  
ttgatttgag ttaagaaaa gcccttgaat tcattcatct cgaggatcta aaactgattc 268860  
acgtcaata aaaacaaaat aagacttgggt tacagtaccc aggatgtgac aaagaatctg 268920

tagtttagcc ttctttggga cttaaagttt aaaaaaaaa aaaaattaat gaggtctctc 268980  
aggcagaatc aagttagaca aagctaaggg cgaaaagaaa agggaaagct tccaagtcca 269040  
ctgaacacat agcagttaga ccacctgggt caagacacag aatcccaact ggaaacgctc 269100  
agggtggcat tcagggaag gacactggaa tcagacaggt ttaggtgaa attatggctc 269160  
caccacttgg tggccacggc atccagtgtt ccttagtttc cgctagtagt agctccctca 269220  
taaggcccag ggaagaagag ataagcttaa gcacgtgaag tggtaaacat agcacaaaac 269280

acacctctg tcaactgcta ctgctgaggt tgtgactatt actattgctg gtatgctgga 269340

gtcactagac tgtacattct gcaagagaag ttcatgcat agcacagtcg ttacaactgc 269400

aggttctaga atctgactgc aaacctggc tcagccattt tctaacttag gtaagttcct 269460

tgagcaatgt attaacctc ttgtgacctt agtgtccata tataaaaagg gggatgatga 269520

tatccattaa gttgttgcaa gtaaagttag tatgtataaa atgtttgagg ctgggcatgg 269580

tggtcatgc ctgtaatccc aacattttgg gagtcttggg tgggaagatg gcttgagtcc 269640

aggaggtgga gaccagcctg gtaacatag tgagaccca tctctacaaa aataattttt 269700

aaaatgttaa aaattagcca gacgtggtgg tgtacatctg tagtcccagc tacttggggg 269760

tctgaggtgg gaggatctct tgagcctggg agttcgaggc tgaagtgggt catgatcaga 269820

tcatcacact ccagcctggg caacagagtg aaaccccgct tcaaaaaaaaa ttaagttaa 269880

aaaataatta aacgtttgta agattggtac acggtagca ttttcattt atccttagtg 269940

gaaataaaaa taaaacaat aataataaac acagatcact taccataagt caggcacttc 270000

attagactac acgcacacgt gcacacaaac acacacacac acaaccacat aagtatgaat 270060

gtgcagtcgt gtgtcgctta atgacaagaa tatgttctga gaaatgtgtt aggtgatattt 270120

gttgataaaa cagcagagtg tacgtatggc gagcatcccc cttcgctcga ctctcacttc 270180

tccttctgc caccatgiga aggaggatgt gtttgctttc ctttctgcca tgattgtcag 270240

tttctgagg ctccccagc cctgcggaac cctcttctt tataaattac ccagtctcgg 270300

gcagtctttt atagcagcgt gagaacaga ataatacagt aagtatctgt gtatctaac 270360

atatccaaac atactatggt atggtatcca aacacagaaa aggtacagta aaaataccat 270420

ataaaagata aaaaaaatg atacacttgt atagagcact tactaggaat ggagtctgtg 270480

ggactggaag ttgttctggg tgagtgagtg ctgagaaacg tgagacccta ggacattcct 270540

gtacacaact gtagacttta caaatactgt acacttaggc tacactaaat ctattaaaaa 270600

ttttctttc ttaataata aatttatctt actgtaactg ttttacaatt ttttttttt 270660

tttttgagac agagtctcgc tctgttctc agactggagt ggagtggcgc agtctcggct 270720

cactgcaagc ctgcctcct gggttcacac cattctcctg tctcagcctc ccgagtagct 270780

gggactacag gcgccacca ccatgcctgg ctcatTTTTT tgtattttta gtagagacag 270840

ggtttacca tgtaaccag gatggtctcg atctctgag ctctgatcc gcctgcctca 270900

gcctcccaat aaactttatt tttgtttga ttcttctgta aaagcactca gtttacaaca 270960

caaacacact gtacagctgc accacaatat ttctttctt ttttctta ttgcataagc 271020

ttttaaaaat ttttttaaac tttttaaatt ttttgttgaa aagtaagaca tgaatacaca 271080  
cattatccta ggcctacaca gggatcatgat catcaatata actgtcttcc acctccacat 271140  
ctcatccacac tggagggtct tccaggggcag taacaagcct ggagctgtca tctcccataa 271200  
taacaatgct tttttttgaa atacctcttg acggagcaac ctgaggctgt tttattaaact 271260  
ttcttttata aacagaagga aagcactcta aaataataat aaaacgtata gtatagtaaa 271320  
tacataaaac agcaacacag atttttatta tcaagtatta tgtgtgttac ataactatat 271380  
gtgctttatt tttatacaac tggcagtgac ataggtttgt tcacaccaga atcaccccca 271440

tgcacgtgaa taatgaattg ctccatgatg tgacattagc aatgacgtca gtaggtgata 271500  
ggaatttttc agctccctta taatcttatg gggccactgt tgtatgtgta catagccact 271560  
ctttgaccaa catgtttgta tgtggcacat gcctgcatgt atatttaatt atcctcattt 271620  
acagatgaga aaaaatgaggt actaagtga aaagtaacat gctggcctca cagcctgtaa 271680  
gtggcagagt catgatttaa atccaggcag tctggctcca gagtccacgc tcttaatcac 271740  
tatgctatgc tgccctggaaa aaaaaaaaa agttaatata atgaatgaat gttcctgctg 271800  
gaaaaatact gaaaagagcc agtcactttg cccccagtgt ttgactgag taaggccccc 271860

tcttgcaaag cgtgcacaag ggaagaacca aagcatgtgg aagacagagg agagcagact 271920  
cagagactcg gtacttcctc cctcgggttg gcaggggcta ttcagccaaa gcctgaacag 271980  
aagggtggcc tgaaggctta aaaataactc aggggtgctgg ccctaaatcc aaagtcactt 272040  
ggttttctag cacattttta actggcaagg agcaaatgct tattatgggc ttggccttct 272100  
agtggatga taaggggcta taaatactca gaagactgga tactggtctt gaggaagctt 272160  
atcacaggac aaggcacctt cagcttcctt gctaaccacac ttgctgagtt tgatttgtgt 272220  
atctgcaact ctcttagatt gcagttatgt gtgctggatt tcatgctgct aaatatctat 272280

atatatattt ttaaatttta ggccatttaa ggccaaacat gtattctttg gctatgacaa 272340  
gacaagtnga ccagaaggcc ttatcaatac ttcagtaacc ctgaggcttc accttataat 272400  
acctcatctc agaaactgtg gaattgtagg tcaactgtgt attgaatcga taatttgctg 272460  
ctgtctagtt cttaaagagtg attcatgtct ttttttcac atcctcgttg aattcagttt 272520  
cctgcaaata tctgaactct gggttcttcc agatcatctg ttccgtggat gcttcccaat 272580  
caatggcttt aagcacgtga aaatctcaac caaaaatacc tgatgataga cagaaagaga 272640  
tgggagtggga acatggaaga gaagaggaaa gcaggaacga gaggaactga ggaaaacaag 272700

ctgggtcatc aaattattaa gaagacaaac atttcttacc taccagatta gtaaataatca 272760  
gaatcttgct aatatactgt gttggtgaga ttagggagaa attgacatgc tcatatgtgg 272820  
ctagtggag tgcaaatcag tacaatctcc tatgttagtg aaatctgcca acatttcctc 272880

tgttttaatt ttgtttttt tactctaaat aaaatatact tactagtgtc tatttttaga 272940  
gacaggttac gtgccagtgc tataaaggtc aaagtgggat aatatgatcc tcaacaattt 273000  
agattagtaa ctttttaca tcttcagcct ataacaggaa tgttccgtta ctacatggc 273060  
aaatacaatt gaacattcat aaataactga atgaaagtca taaaacctgt aagggtattt 273120

atgtgcacat atcaaaatcc aaatactctc atttctcaac tagccagtgt taaaggacca 273180  
tgcctgtaca tttcttctat tctaagacaa catgttctca tttacattc ctaaaattag 273240  
gaggctctaa aattaatgat cttagatccg atggcttatt ttaatgtagc cacttgaagt 273300  
tatttggctc acaaaactagg acaaaatttt aaaatcacaa tgcaaagata ttgtctatat 273360  
atcaaatgaa gtatttttaa ttgcttaatt ttatttttat ttaacataat aattgtacat 273420  
attcatggag cacatagtga tgtttcaata catgtaatac atagtatca gatcatggta 273480  
attagcatat ccatcacttc aaacattcat ctttctttg tgttggaac attcaatacc 273540

ctccttctag ctatttgaat ctatacacia tgttattatt aactattgtc atcctgcaga 273600  
tgaataaaac actagaactt attcctccta tctagctgta attttgtatc ctttaacaaa 273660  
tctctcccta tctccgcctt cccctaccc ttcacagcct ctagtattct ctgttctatg 273720  
tacacatcct ttgaactagc ctttctactt ctggacataa atgttttaac cgggtgtcaa 273780  
ctcatgctgt accaaaaagc tatccaaatt ctgagtattt ctaaatttca ggagagatag 273840  
taatgaaggg gtttcataac aaccacagga cctacaaatt atatgtacta taactttgcc 273900  
ttcactagta agtagataga gattgagatt gtatttgctc ataactccaa atcttttggg 273960

gggactagat tgggagggtt gcagaagtgg ctgctatggt ttatagaatt caacagtaag 274020  
gattactgaa tgatgggtca agctatatia gaagaggaag agtctgggcc taagaaagga 274080  
acatatgagt tctaattgtt cctctacaa caattctgtc ctcttgaaca agacaacact 274140  
actcatccgt gaatgatgaa agtgagcgag ctataaattt gcttcatggt taatgatcca 274200  
tctgtactac agctaaactg agctaaaccc acacaaaagg aaaaaggaat taacacttaa 274260  
gaagtgagtt cttactaatt gtctgccatt gtagttctcc aatacgtctc ttaaccctgc 274320  
caacaactcc acaaggtaag tattattctc tttttacagg ctaggaaact gacattcaga 274380

gaagttgctg tcttggtttc aaagccaaca agttacagag caaggaatca aacctaatg 274440  
gttctgccta caaaaatggg ctccttgcctc ttgttgtat tttctctaca cccagtaacc 274500  
tatacaaaaa aaaaaaaaaa aaagtctctc tcacagattt tgtcacaata gaaacacatc 274560  
taaatacaaa gaagagagat atatttttaa aggaaaataa ggagaaaaaa acaaagataa 274620  
attcattgac caaaggatta aatagttcac atttaaaaaa acaaaacaaa actctgaatc 274680  
acaaaagtg acttaaaatc tgtgtttcta catagtgcct aaataaccag acgatgtgcg 274740

gttaattaac tctgtttaga ctaaggtaaa ttgggtgtt tggttctttt ttcctaccag 274800

ttgtgttata aggacatata gtgaatcact cctacatagt ccaggaatag ttttcaactg 274860

aaaggtcatt tgtattgtta actcatacga aaaacaaaag taacacattc atcctgcaca 274920

taactccaga actctaagtt ctcaatgacc ctttctttaa ttcagtagtc atttataatt 274980

tttaaagggtg ggggttgagc tgggggtggt ggagtcctta ctgaatttac ttaaagttag 275040

tggctgaagg actaaattaa aattacattt aatccgaatt tactcctagt gtggacgatt 275100

ccctccctga gctcaggaga attatctgtg atgtgatcca gtcttctaaa caaggctgga 275160

gagagaggag aggggagagg tagaaatgaa gggggcggag aacagcttat aaactaaagg 275220

aggttggcca gacatggtgg ctcaagccig taatcccagc actttgggag gccaaggcag 275280

giggattgct tgaacccitgg agctcaagac cagcctgggc aacatggcaa aattccgtct 275340

ctactaaaaa tacagaaatt aaccaggcac agtggcaggc gcctgtaatc ccagctactc 275400

gggaggctga ggcaggagaa tctcttgac ccaggaggca gaggtggcag tgagccgaga 275460

tctgtccact gcactccagc ctgggcaaca gagcacgact ctgtctcaa taaataaata 275520

aacaacaaa caaaggtgga aaggaacaaa aggggtgagat acgtggaag caaatcactc 275580

cttactccat ggggagggtc tctgttcaca gaaatcttcc tcccattagg gcctaaagg 275640

tttggcgagc tgcacatctc caactgttg gggcagaaca tctttcttc catctgcctg 275700

ccaccagaag ccacagagaa ctgatattgc ctctaccata aattaagagt caaaaggaaa 275760

atattttcca ggattcaag taaaaaaaag tatgagttag tctctgcttg agtgaagatc 275820

tataacataa caggatgtcc atcctagaag aaggaacagg gaaacacaca ggcctaggtg 275880

aatcctggg cctcagtgc cacctgggca agaaggggtg ggctcagctg atggtcttct 275940

cactctatcc tagaaatcac cagcacacc ttcatgaga aggcagagga agggaggagg 276000

catctcttag gaccacctcc gccagcttcc tccctctttt ttgattaaag atctcaggaa 276060

tttatgggta attcaatgca aaatgccaga gatattacca gcttcgcata ctgacaaaa 276120

tattttgcca agataaaata ttttagaata aaaacaacca tcggtatgtg cagtgtctatt 276180

gttgttgaat gtgaagcaca ctgaattgct caatatgaaa aacatctcct ggttaaatcc 276240

tgactctgat aaacacaggc agtttattga gatcatatcc taagaacccc aaaggtgcca 276300

gatttgcatc atccacaaaa gcagtgggaa ggccactaa ccaattaaga cacacacaaa 276360

aaaacccac aaaacaaaa agtctgaatt ctaacatatt ttcaattttt tttgtgggtc 276420

atttctagge tccattctgt tccatcggtc tattttggta tttgtcatat tactcttaca 276480

gttttacgta tatcagaaat agttcataac tttttaaaat cagggtctca gcatcacact 276540  
 gaaaggcaca tagagtcttc cacacagcag gacactggat gattaaagaa tgaagagctg 276600  
 gtgcagttga gagatatgaa aataaaaaca aattcccatc tctcaggatc tctactgaagc 276660  
 tacagaagaa ttcactttcg aaactttgta acacgttctt acttaaatgc tagttccctt 276720  
 ttgcaatctg agtaatgact gcctttaaaa aaaatcttgc agcaacacaa agccatgtca 276780  
 ttcactgacc ttggtatatt cctaatagaga tgcctctctg tgacacaaga attactaatg 276840  
 gggggctgga aataatgaat ggaggagtag aagatgaatg atatagaagg gacaccacta 276900

acattttcca tgagcaagat cgatacacgg tgtaacagaa acataacaaa tggtttcatc 276960  
 gactaacctt cacccttgaa gaaagcaacc cataggtttg gcagcagaat ccagtaaaca 277020  
 aattaccctg agagattaat tggatgggaa ctaaggcctc tgcagcattt ctttctccca 277080  
 actatgtatc ctacaactgt gccttaaaaac catcggtgta gttctaaaaa cgtaatctca 277140  
 aatttattga aatattctgc ctcatccttt gccgtaatat catacttctt taccttttta 277200  
 ctttctgttt atcgtaaaaa gttttacgat cgaatggaa atgtaaaatt ccaaggatca 277260  
 cgatttaaat aaaaataaac tcttcaatta atttcccta gaaacttact catttgtcac 277320

cccaaattag ttctcacgta ctgccaacag acataaaccg gcatgcagag ctcaaagtag 277380  
 gagatactca catccaggtc tcaatgtgtt gatcccaaaa ctccaatag tcagcttcag 277440  
 aaaacacaca ctacaagtaa gtctgaagcc ctgacacata acagaccaga atgtgtcccg 277500  
 aagacacatc tgggtgaccc ttccactgc cctcaagaca aagtgcaatg tcccacagct 277560  
 tggcttactg cagtcatgat ggcaagaagg aataagaggc atgggcacct gcagcagcct 277620  
 gcagggtggc agcacatagg gctgtctgaa ttagattcct agggctgcta tgacaaagca 277680  
 tcacaacctt aaaaataacag aaatgcatcg tctttaatgg gtggcttaaa ataacagaaa 277740

tgtatcatct cataggtctg gaggetcaaa gtctgaaatc aaggtgtggg tctgagggt 277800  
 ctgaaggaga atcggttcta tgcctctctg ctagtctctg gtggtttgct ggcaatcttt 277860  
 ggcttgacga tgcgtcactc caatccttgc cttcaccttc acttggagtt gccccccga 277920  
 gcctctgtct ttgcacatca ctttccccca atgcacacat gtcttttgtt ccaactttct 277980  
 cttttttatt agaacaccag ttgactgaa ccagggccta ccctaatagaa tgcatttcaa 278040  
 cttgattccc tctctaaaga ccgtgttttc acataatgtc acattctgag gtactggggg 278100  
 tgatgacttc aacatacttc ttttagggga atgtaattca acccataaca aagtcctgct 278160

ccaaaatgcg gtttgactct ctctaagtcc cttcccaact taatttctat tggtttctgt 278220  
 ttgacaggat acaataagtt gcatattaaag tatgaagaga aatatcatat tttaaaatgt 278280  
 ctgcattgta ctcatacctc acctcattcc acagagaatt taaattgata aaagatttgt 278340

tttcaccttc aaattcctaa tattattttg ggtgaaaatg aaaagattta catcataaca 278400  
 taaagacttc gtcactgttt taataatctc ttcacttggg caattctctc atgtaatttc 278460  
 tctgactctc agtttccag cctgtaaact ggaaataatt agaccactca ttctgcctcc 278520  
 catactggat ttigtgaaga taaaatgaca catactacag aagaatgttt tgaaacgtaa 278580

aatttgttaa caataaaagg tcatgttatt ctcaatctga cttagttttc ttctgttat 278640  
 atatcggtaa aagagttcct agaacagaaa ccagaacagg tgggtgtagta tgcgggtact 278700  
 aggtttacac tgggaagtca ttcccttcc accataattg gccccgtcc ctgccagggc 278760  
 tgaactgtta aaccacacac tatectagtc attaacctta cacccttaca tgcattttag 278820  
 tccaaggaa agaagataaa taacttctgg aaacatgaga gagagtattt gtatgtttta 278880  
 aatgggggag tacaacaaca taggataaaa gacacctgga taatcaggga aaacaaaggg 278940  
 gaaaaaagct cacttccgat acaccatgaa aatatgattc agagatgtac agttttttgc 279000

attaagtaaa aacgtacatt ttctggaata accaaattca aaaggacaaa attacataat 279060  
 cttaaacagg atgaaatgat tctgtgtcaa attctgaggg ctttttttaa ccaaaggaat 279120  
 aaaccagtgg tgtctctttc tttttaattt agcaggactc agttgactgt ttctacaagt 279180  
 agtagtatag aattatctag tgttctaagt ggtataatat tgaggggggg acaaaggaaa 279240  
 aaaactaatt cttgtaagtc tctgagcat agaaagccat ttactcacc tatgttatcc 279300  
 ctctacggtt ttaactaacc ctggggtaga aactgcccc atagatggaa ttctacgtaa 279360  
 tctatgtgca tggcaccct cctggaacct tctcgttgta caatcagg gaacacaaaa 279420

taaatggcac tgcgtgagtt atgtaataata atagccagcc ctggtgtgaa tggaggaagg 279480  
 aactgggctg ggggccctg gaaaacagca gattatgaaa tgaaggaaac ataatcaca 279540  
 gcatcttcac ggaaggctgc ggtggaacag aaaaaagtac tggccaagga aaccaacaac 279600  
 cctgggtcct ggttcacaac ccagtactta ctggtgtatg acctacata aaatcacttg 279660  
 agctgtttcc tcgccttaaa atggaaataa aaattgcaac catcttttct actgcaacgg 279720  
 attactgtga gattccagt agattatgca tgggacagt ctttgtaaac ttgacttcaa 279780  
 tggaagatgt tactctctgg ggtatagcac agcttcccta cagtgtgtct caaactatga 279840

aaagtctttt ctctctgggg tccaaaatta aatgtccaaa tgcagctgtt ctacttaat 279900  
 ttgtttttt catgagcata gtgggatatt tattattctg tataaaccat ataaagctgt 279960  
 tatcatttgt cagtgtctat tattgtact agttgttcta aacaaaatat cccaaaactc 280020  
 agtctagatt caagtctcct gggtagaaca cgttagctaa acaatcttat aatttagaaa 280080  
 ttatttttct agggtaatac atgtaaccac caataattat acctactata ttctgatta 280140  
 agattcagaa agctgtttgt ttttaactg ttccaatta gctggtttca aaaaaagttt 280200

aatcttataa gcactgccgg cttgacatag ttgtagatct caagcttctt ttggccttt 280260  
  
cttatcaaag ttgggtcatg atggaaagat aactctttcc tgttaatgag tcaactgtatc 280320  
tcatgccatc ttgcaccaa agtgcacct ttcacaact tattccaatc agaagaatga 280380  
actaggtttc acttccagaa caaagtggca gagcatcaa ggacacagat gctgtaaaac 280440  
tgcaaaacta gaccacacat tttctgtata tttccatat attatggttt taatatcaat 280500  
gctgaaatgg atgagcaatt gatcacttat aaggattatt ctccatctaa gtctagaaat 280560  
ctggcttaaa atactgcaat atttctgccc cagggtttct ccaccagaag aagataaatt 280620  
ctagacacaa ccattcttct aagacaattc tccatttatg tcagtatttc tataagaaaa 280680  
  
ccccagggtc aactaagtac ttggaacagt tiacattcct tcctactata attctggaag 280740  
catgaagcat tacttcccc atcaagtagt catcagaagc taaagaggtc atggtcaggg 280800  
tccttgtgag gctggggaag cggctaagcg aagtggtttt ttaagccaag tatctgtgtt 280860  
tcaggcactg actgaaatct cagaataacg gccctgtctc tacaatgaat aaggcttata 280920  
aattctggtt cctgtcactc agtgtttctc aaccaggggc agtttttctc cacaggagac 280980  
atacagaat gcctgaagac atgtttgtca ctactgaggg tacagaaggt gctatcgga 281040  
tctggtagtt agaggcccg gatgcagcta aacaaccgac aatatccaac agagcccttc 281100  
  
atcaacaaaa acccagtcca aatgtccaaa atgtcaatag tgctgagctt aaaaagcact 281160  
gccgtaacta gtaggatagt atatcttact agagaatata aatattataa taaataaatc 281220  
tcaagtcctt aagacacagt cttaaatatt aaatgtcacc tttttaagc actggatatg 281280  
ctttttttcg tagtcagtgg atggaaaaca cacacaaaca aatacacaca cataagcctt 281340  
tcaagcactg ttgcaacctc cattttcttt tctatgtcat ccttaagagc ttacataga 281400  
aggaaaagac agaggaataa gtaggtgttg gaaagacagg aggcaataga aaggaaaaat 281460  
acatgtaaaa tgaaaaaaaa atccctatct tttctctgtg ttggacatg acataacact 281520  
  
ccagtcaaat aaaagaggca tcctgctgga gccaatgaag ttttattgcc atagacatga 281580  
acatcataaa attttccaa agctaaaaca caaagttttg ttccttagct atcataatca 281640  
cagtaacaa attcaacaca tagtacacaa aaggtttttc atttagctgt ttctacagta 281700  
agaagaata taattgtgta atcttaaaat taaaattatt ttacagact cattaggctt 281760  
cgtttggtcaa gaacagcaca ggagccttga acatttagaa tgtgaacctg agtacaacc 281820  
ataagacctt ccagccagta gccatttcat attgtttctc atcaatacca tggagacatt 281880  
accagagcag gcactctaag gagaagcccg gcaactgaga agatacattc agggaacacg 281940

agataccacc aaattcactg agagattaac ttattaaaag atataacctt ataattctac 282000  
 tgttggaag acagaaaaa actaccaatt gctgtttgaa tcctctcaac acacaatgac 282060  
 caagaagtct tccagtctgt tectggactc tgcaccccc atgtcacct catggtagaa 282120  
 ctaacacaat accgtttctc agagtgctg cttacacact gctgagttct gtaggaactc 282180  
 agatgtatgg atactgtttt taatgcctac caattttaag agcataagac catgagggtg 282240  
 gaaatcaatg tattctcttg gaagagggtc ctttgtttt ctgtttgact atattctggt 282300  
 ctggaagcat aaacacaagt atattgatgg caggctaact tggaacaacc tcttcaattc 282360  
  
 cacttgttg ctttcaatgg ccccttgcaa ttctcctga tacatccaag gtggagtaag 282420  
 ggtaacacag caacgaaga ctaaggacat acacagtgtt tggtaaacag aaattcactc 282480  
 cttctctac tctctcacc ttccaccaac ctgtccctca acgatggaat acagggtagg 282540  
 caccaatgtt gtcatgactc tactcatttc actttaaat aggtaatgca gtctcataat 282600  
 tttagatgtt acctagaaat aggtgggtccc aaaaatggca tcagtctaga cttctcatct 282660  
 gatctccaga ttactatgtt gaatgtctaa aaggctctc aaacttaaca agtccaaaat 282720  
 caaccgatct gcttccctcc ctaaatctcc catgatcctc cctatctcag ttaaagataa 282780  
  
 cccccctct tccaggtgca tgaaccaaac cttaaagtta cctctgacac ttctgtctct 282840  
 atacctcata tgcaattcag gtctacctat gtttagatag ccagaatcca accagctatc 282900  
 ccaattctta ccaatggata ttaagtagaa agaccagaca gaaggctacg gcagtgcctt 282960  
 caattctaag aggtttggtc ttccaacttc cactccttgt tcccctcaa tctattctcc 283020  
 acatagcatt tagggattct attaaaacat aagtcagacc ctatcactcc tctactcaa 283080  
 agcatccttt cagtggctc caaggctcta aacaatctag ccccatctt tccatcacag 283140  
 tctctctct tctctctct cactccactc catccactt ggactccttg atgtttctag 283200  
  
 aacacacttg gccaacactc ctgccttgag gcctttgcac ttgtattct ctctgcctgg 283260  
 aactttctc cccaggtat ctgcattatt tattatcttc cccctccaga gtgtaagctc 283320  
 cagaaggatg ggagtcagg gtctgatctg ttccctgctg gatccccagt gcttagaaga 283380  
 gagactggca tgaatatgtt gcttaataaa tagtcaaatg agtgaaatag agatagtgt 283440  
 tagaggcctt gctgttttg acctgaaagt cacatttga gaccaagaga acatgcacac 283500  
 ctataattag atgaacaatt cagtattaaa atgtaagcca aatatttaa gatctaaaat 283560  
 atctataagt gaaataatta tgtaataaac cttagaattt ttccttatga agacaatttt 283620  
  
 atttccttc ctcttttaa ttcatatca tacctatctg agtgaaaatg aaggcagaaa 283680  
 caaaacaag tgatttagag atggtcagta ggatgtttt tagaaatgca tggattctgt 283740  
 acttaagaat ttgaaattat ccccatggg agacaccttc aattaagcct attctaact 283800

tggctaagtg agaatccaac ttcataatit cactcccagg cacagctgtt tgacaagtgc 283860  
 agcaggagcc tgtcaagaca cttggcagca tcattccttt ggaacacaat ggactttatt 283920  
 tttccttttt ggcaaccctt attactcact gatggcaatt agcaaaccat ctttggagga 283980  
 aatgtataat caggcaacta aaaatgcctt ttatgaaatt cctccttgaa aataaatcat 284040

tgacactgca aatggtcaat atgtactctt aattttaaac taaattgccc attgatttac 284100  
 caagatctat tttcctgact ctgtgggtcta gtgacattca tttttccga agttctgaat 284160  
 tcttgaaaag tgatagtac acagttgttt gttttgattt actatctcaa tagagtaagc 284220  
 agttggagtg atttctccct tattcagatt atacagctct gttcttgact gattccacca 284280  
 taaagcctca ttctatgggc acagcacaaa accagagtca caatctaat ctggcctttc 284340  
 caggacacac aatagaacac gatcgggggtg acccaagctg taagaagtta gagtccctac 284400  
 cagcagtggg tcaattcact aggtctgtgg gggaaatact tgctacaggg agggacaact 284460

agagataatt acaataaact caatccatgc cgcaagaacc tgaatacttc ccacctcaat 284520  
 ttacgatgca gtttggagct ttcagaaaca aacggcacct gtccattgt cacaccttta 284580  
 taacaacttg tatcccagta caccttccac caacacctta gacaagtttc gacaagcact 284640  
 gctgaatcac ttgagatggg ccaaaaggctc agggccctga aactttgtca gcgtgattat 284700  
 ctaaagccac tggaaagcac tccatgtgtt tcagagaaca ggtagagttt tcattacaca 284760  
 aaagcagctt tgtttctgta tacgtgacgc ctcttaatta gaatcaatga ttttttttta 284820  
 ttgtcgtccc tgataagctt gtttgcctag cttcattttc ctaaaacact ttaaagcttt 284880

ctaagaaggg cgaatgccgg tagaactctg agacaggcct tgaccagagg ctgtggtatt 284940  
 gcatgatgtt tacaatttgt catccttggg ggttaattttg caagcttaaa cacactaaag 285000  
 gacatattat aaagagccag gcaatttcat tttgtttgaa tatatttatg gaaatggacc 285060  
 aaaagtgtcc atagaggcac attgtcattt tttccttgag tgtgtgccag ttcattgacca 285120  
 aaagcaagca ttcagagaat agaagagcat ttatgaccac attgtgtgta tcaaataagc 285180  
 tactttatga acagatgggg aatatgtgtt ttcagggtct tagtaaaata gcccttcaca 285240  
 ccaaatttct gtgcacaatg gtagaactct cagtgttca tctataacct tgcccttgat 285300

aatgagcaga tctcccttaa gggtaagtgc ctgtgggaca tgaagacatc acacacactc 285360  
 acggcttaga aagatgacga gcagcgggga attgtgcccc aagaacatgt aatttggaca 285420  
 aggtgggaaa aactgagtaa tccattgag ataggagca ttttcccagc agtgggtatt 285480  
 gtatggcaat ggaatccttg gagagtcaat aagaaaaaaa atggttgggc tgggaaagat 285540  
 ttaataagtt gaaaagcaag ttataggagc cagcactgga aagaaaaaaa ataatggtc 285600  
 tttaaagctc ttgatgaga ccaggtcgcc actcatggaa agctccaaga tcaagattga 285660

aatgtgtttt cttttcaagg agatatagaa aactgaggta agtcagagaa gaagcagggg 285720

gcacttctag ttccttggg cagatactat actctgtgtt caccaatact cgggtgttta 285780

gtgtcctcct ggacacacag gaagaccact ctttttccaa ctgcccttgc agttagtga 285840

ggtcatgtga ctgagtgtg ccgaatggga taagagaagt caagcctgtc atttccatgc 285900

ctggatccta aaacctctcc acaatcctca acaacatgtc tttcaccta gactcagatt 285960

gcagagccat tagattgaag gatcctgagt cactatacaa tcataaggag ttagccatat 286020

tagaacaaaa acaagaaata aactcttctc atagcaagcc gctgagattt gggttaaatt 286080

attttaatgc attgcaatag tttcacttc ttatcatttg cctcttttaa tatcatgtta 286140

ctgccaaga gtatctttca tctcattcct aagcacagtg atctcagaga caatccagag 286200

caatggaaaa attaatgtt tttcagatca gaagaacaca gggtacctaa aaaaaaaaa 286260

acatggctgg catcatttct tgaggagcca gagacaacaa actgttcttt tctttctat 286320

gaattcactc aaaaccattt tatttcttta ttttaacat tttattatgg gaaatttcaa 286380

atcttcacac agtgcaata acagaataat aaacctctac gtatccatca tctagcttca 286440

agtgtgtgtg tgtgtgcatg catgtgtgca catttgaggt ctacagtatg ttaatcgttg 286500

agccacgtgc tatggttagg actcaaaggt gaataattaa tgatctttga atatgtagta 286560

ggaagaagag agtctgaatc tcaaatccca gaaattactt agctctgagg gtgatagtga 286620

gaattaaagt aatatagtag ctgagaattt ctgtaacata gtcactttct ttcacctcca 286680

tttctctgaa agagtttttg gtctaaggaa gaggtttaat actttcttct tcgttaaaat 286740

gtagatacc ttgggagagc cagcacactg aatcttttct cagctgttca ccattatata 286800

tatgaatttc tctttccac agttctttcc caaaagcaag cctcaattcg atggagagca 286860

aaaataagga gcaaggcatg gggcctgtga agcagcatgg aaactctgag ggaagaaggt 286920

agtaggggtc accacaaatg agatgaaaga cagatttcta tttcagaatt ttgtttaagg 286980

ctgagtcctc catttccgct tcattacaac tgttctccca accccaaatc cattctcttg 287040

gctaataaat caccatttgc ttttctgggc aattttcata ctagccactg ggacgaggga 287100

tgtggaaaga gagtgacaaa aaagagtcag cagtgacaat atatctcacc aaaaacacaa 287160

gcaacaggcc caataccag gccctattt aaaaatgaaa ccactttcaa acaaacattc 287220

taaaacacag aaaagataac tgtctggtga gagaagcctg agaactgtcc tcataaaatt 287280

taaaagcaag gatccaggac caatcagatg cctctctag aacattctga atgcctgagt 287340

ccactgacct gggccttcag ctgtgtctc cgtcaacag acaaatgact ctacaacctt 287400

gggtggctca aaccccaggg gagggctcgt gctgccagag aaagaagctc aagtaacaaa 287460  
aggcaagtct tcctttcatg ctgccttccc cggcttagag agacatgggg ttctatggtg 287520  
ttcaggactg agtcactggg aatgggtgcc attttgatgg gaattgattt aatttgttct 287580  
cctctaaaca gcicaagcat ttactctgt tctgtattaa tttagtctga gcagaaaaaa 287640  
aaaatgtcaa agtaaatctc agcagtgaag gaaaaaatc ttgaaaaggc tgacaagctc 287700  
agcataatga gcaccagtcc aaacctttgt ttaacagtac aatacttcac tctctttaca 287760  
gattataaaa ggaaatatct aactaatgga aagctactca tacacaggat aatgtatgca 287820

gcctctgtcc acatcttaat cattctacat aactgatcaa ataactttgg tctctagtct 287880  
tccccagatt tttaattgtt ttctttaaag tctgcaacag aaaatgcttt catgctagtc 287940  
tacatttacg tgtttccta gctgacact tggcataaga taaatgtgtg ttcatatga 288000  
tagctgcaa gagatatgtt ttaatgagga attaaactat aaactttaag agataatgga 288060  
gaagacctgg ggaagtcaaa gtttcatttc acatccactg aaacacagtg ctgctacct 288120  
cagtgatgct accctcctaa gatatttttt attgactaga ttgcattha tattaactag 288180  
gtttccaatt cctaaacatg atccctatct ggtagtgtaa gtcttcatg acttcttcca 288240

gcctcacttc cactcctacc tagtcttga ccatcaaact acttgagaat tgtttcttcc 288300  
tctgtgctct ttcatactcc tgtgctatct catatggtgc tgtgcagggt taaatggcct 288360  
cctttacttt ctctgtaaga attactgtct tctttcagga tgcagttacc tcctctaaca 288420  
agcctgcccc aactctacag gcatacttga gagcttcttc ccctagtttt cccattaaaa 288480  
gtttgcatag ctgtatatca cagcccttgt ttactgttt acacaactgt caccccaata 288540  
gattgtgagc tcccaaaggg aatgtctcat ttatttctgt atccccggg taaggatagg 288600  
tacatggctt gcactcagt atcaaacgaa tgaatcaaca cacaatgagt gaacacatca 288660

gtacacatac tatttgggta aggtaattat atacccta attttccagg acaatcctga 288720  
tttagactga cattccagt agacaaactc actttcactc tcaaaagtgt cctaatttga 288780  
aaaataaagt atatgtcac cctaattgta gagcattagg gtatatattt acccaagcat 288840  
attgtcctg cctgcccaga aactgggtat atcatgttcc aatttctcaa caacttttta 288900  
aactaatcat ttaaaaaatt attcaaaatt ctcttctaa cagattaacc attctccta 288960  
ctcaagctca gaacctgtgg cccaagaaaa ggaaaataaa tactgtgccg tgaaataaaa 289020  
acacacaggt ttcatccac ttttcacca aaccctatc tatgccaacc tcctatatga 289080

gcgatgacac ctattagaca gattggtctc cctctggat gaaggacaca tggttccca 289140  
gagttaaagc agacgtaaaa tcaagccttc ctactcagg ctctgggcta gccaccaca 289200  
gatccactgt ccagggttac aacaagcatt gtcttattga tggcttagaa gccctgactc 289260

agcaattaca gtagaaacta ataaatctac ctggaaaaaa aaataaacat ctctttccca 289320  
aatcattcta ctcagaactt gaagaaaaca tttctgaaag atcaaagaga atcagacgac 289380  
cgcttctttt tggaaaaata aatgtgtttg gtctttcact ctacacattc aaattctatc 289440  
tggaccctaa aatgacaaca cgaccactca aagaaaaggt aatcaagaaa tattccaaag 289500

gtcacaagg gtgtttctaa tatattgcc aacaaatfff ccacactggt gcagtctgaa 289560  
agaactgaga aaaacacatt ttagaatcta tatacaaaca aatctccaaa ggttcgacat 289620  
acattccctt aatcagatca tttatgaaaa gatgtacata attctttcta attttaaaga 289680  
cattatttca aggcattgaa ttagagaaaa aacacaaaaac aaatatgaac taaaaggaac 289740  
attaaccatc atgtagttaa tgattttgtt taatgaggat aaagcctcaa atatttaacc 289800  
tcttaggggt gctctatta tctattgttt ttcattcatc ctagaatcac agggcaaaga 289860  
aacataaacc acgattagct ttgaaatgtt tgcccaaacc tgctacgaat ttattttaag 289920

gacaaagttc atgaaaggtc agttccccag gtaaaactgaa ttaaatgcct tctaaaggga 289980  
aaccaaatta aacctttacc aaatggcagg tttctaaact gtgttttggg atatgaaac 290040  
ctatttgaca gatgccttat agactgtggt caatgcccc tctaattgagg atttctgtgg 290100  
tttactttt acctatacta agggatttgi aatttatggt gacatatatg tgtctacact 290160  
atgttgaaca tgtgcttaca cagatacata tgtttgtatc tcttacgtaa aatcgctggg 290220  
aaagaaatct taagatttgg ttttatTTTT taaatcaagg agtttgcttt taatatctga 290280  
cagaccgatg ccttgtggga tatgacttgg aagctacact cactctgac tttaccagat 290340

gttactggt ggtgtttcag cctcaagaga caaagaggat attaatgtta attttatTTA 290400  
tttaatcaca tcaggcagat ttgataaaa agaaaattca atattttagt aatttaccaa 290460  
ctcttcagaa atgtccatag tagcaaaagt gttttgaaga tcattttcta ttaaaagctg 290520  
aaagtctgca ttgtgtttgg aagagagaac actctatctt acctttaaaa atgggaacag 290580  
ggtgacaaat ttgtcagttc cactgccaaa tcaaggaggc aaggaggtgg caacaatgta 290640  
tacatggttc agcacaagac tcttcccaaa ctctgactaa taattgtgaa gaaagagact 290700  
ctgaatgtga aatggacact cagttgaaag ctttctgcca ctaccaatca ttctaatac 290760

ttatctctc tctgaatfff attacaagag aacattaaac taccctaac attgtcagga 290820  
cattgataat aatgtagaga ttactgtcag gccattgaga ataagtagag atgtactcta 290880  
ctaaacacta catccctgca tcttaacaga agtaacaggg taggctttta tttatctagc 290940  
actaatgtta gaactggaaa acttttataa tactgttctc aaccttgact gtcattaga 291000  
atcaccttgg aagctgcac ccaggccaat tacatcaca attttgaaga tgggaccag 291060  
gtacgggtac ttcggatgat tccagtgtca gccagggtta agaactacag cctcagaagt 291120

tctaagtatg gaacagctaa ataacagtcg tggaaagatc aatttctcta ggctttgttc 291180

tcatctaaaa aaatgatatg ggtggaaaga aattggagtg tgatagtaat tggctttcat 291240

ttatTTTTtag ataaaaatata tccttatagt tatgaaatat ttcaaatagg cagtaaagta 291300

taccaaatac tataacagac acctatgaca cctatat tac cattatagg tggtaaatatc 291360

tgtttcagtt ctctctctgg aaaaaaagag aaagtaaaac cctcacatcc catctctttt 291420

atttctttcc ttttgagatg taaccactat cctaaaatta ctagttaccc tgcccccatg 291480

attttattta tctacataaa tctaataaa taccacataa ttatttatct accagaacta 291540

tataatattg cccggtttgt gtttaaatat acataaattg tattaatact atatataccc 291600

ttttgcacat atttttttca ctcaacagtg ttttttgaaa tgtatccatg ttaatagata 291660

tatatgtaat atatataatgc gtattttaat tttaaactcc tttatagtat ttcattagga 291720

ataagccacg gtttattgac ttatctatgg acagttacgt tatttatact tttttgaaaa 291780

acaaaagcaa taaacacctt ttctcatgtc tccttgccac catatacaaa agcttctcta 291840

gggtaggcac ctagacacag ttttattgga tagactcadc ttcaacctta ctaggtatta 291900

ccacattgat ctccaaagtg gttacaccaa ttagtctct ccaacaacgt taaagggtat 291960

ccacttctcc atacccttat tgatacttgg tattatgata atttattcat tattgccaat 292020

atgaggatta tgaagtgggg attaagaatt atgcttacat gatattttcc taaggtcctt 292080

ctggtcatag accacatcaa cactgagtct tatcagaata aaagcgaatg tgaaaaaggc 292140

cttcacacgc ttacaataaa ttacatttc ctcaagacat gtcttatgag gccaaagctg 292200

gcttgtgtac ccatacatca ggccacaaaa gaggaatggg gacatggtcc cagctctgta 292260

tttattttct tgaatcata atccaatgtt acttaaaaag caccactgcc caatattcaa 292320

gccaaagaaa atactctgga ttttgccagg caaaatgcct gtggagaaat gactcaattc 292380

atacaaaatt caaaactggt ctttggtcag tgacattttc atgaaaatcc atgggtgggt 292440

aaaagttttg aacaatttct ttttgccatt ggataaaatt catccaggaa aaataaaca 292500

aatttaagcg gagggccacg tcccccaat tcccttacca gcactccca acctgctagc 292560

acaactgctt tcagtcgtac gtgaaggcaa gtcacatcag tttctgatcc tagcaacaga 292620

acctgggtc cctctactca ctctgcccc gataggcaga cagcctttct catgagaagc 292680

accaacagac agagcatgcc caagctcatt cagaacacac ttactgggca ccgttaccca 292740

accattgcac agicttcaac ttgatggtaa aaagatctac agtacaaacg ttctcagggt 292800

gcactctgtt ggaaccattc actatggata ttgttaggga tgattagtgt acatctattg 292860

ttgggttta tacttcatgt tgtcctttta ggaacatgaa acaggggttt gggaaaggga 292920  
 caaatcaga gactccatga cttgttctga cctgtgacct taccatctca gaaaaactta 292980  
 atagaattca acagttatag ctgataatgc tcaaatatit tgataattct gagatttacc 293040  
 aaggttcag ttggtctaag ctgagaaggt caaaataaag agattcagca cctagaaagt 293100  
 actatagtta atagatagca gtgaatggag tcgggtatit taaaatgtaa tattggcata 293160  
 tcccgtttc tgactagctg aggtctgcct gtcgtcttac agaggcctit acttctcaag 293220  
 ccttttgcca ctgggtggga atgtctctgc aatcgaggcc aggcctggaa agagagcagc 293280  
  
 tggttgggct ttccacagaa gcaataagaa agagatctac acaagggtgg agttgtcggg 293340  
 gtaaaaggaa aagaacccat tctcttcttc cagtaagtta accaaataat aaattcacag 293400  
 ccctcccca gtctgccac ccagaatcct gaatgatgtg aatcccaggg ttctgataag 293460  
 tcaggaggat tatggtcaga gattctgaga atgcgttctc tcatgcatga catgaaatit 293520  
 ggcatgaggg aggataccag tggcagccac ttactgtaag caagccgtca ctgagtagcc 293580  
 ctctcacaca cccctatit accataactt ccagaagctc ttgtgttgc ttgtatcat 293640  
 ggccacaaa cacaatgtgg tcatcattt tttcttgggt caataagcta agcaagtga 293700  
  
 aatgactaac tctatcatc acagaaaata gcagttaaac atatataaaa ctaaaaaatg 293760  
 gcccgtctt tatcatttag actgtctcta gccctgcagt gtatgacaca gccacaaaa 293820  
 ccaaaggta cttgcattt ccaaaagaag aatgtggcca ttttacttgt caaggatcgt 293880  
 gagctttcag tcaactacca tcagatttga agtcagtggg atatgaaaca ttttaattgt 293940  
 aacagtgtg tgtgtgtgga ctccaagact ataaatatgt gttttgcaa aggcagaaaa 294000  
 atacatitit ttccaggtgc atatctactt taaaaccag gtattctatc tgtggattac 294060  
 aacttaagag gactgctaaa ctttcacagc aaaattaatt gctgccagtt ggctatcacc 294120  
  
 ctacaaatca agcagatgac aatgtagcaa cctaacagtt ttcagaagac acaatgcca 294180  
 taatatgtat gttttaaga aaaatgaagg ctctctgcta aaaatatata gcccagaa 294240  
 tagaattgca gcattaatca gctcctaaga aacctgtit attatgtgca ctattacatg 294300  
 tgtaataaaa tgctttgtgg tcctagattc gataactgt taaatcatca atctgaatit 294360  
 tataaagatt ccacntagaa gtggggagtg ggcagatcag aggaagagaa atcatctccc 294420  
 ataccattc tgaacaatac aatgagaagc tatgcataag cctgcgaaca ttaacctatc 294480  
 agcttattct ttactgaag tatttatait ttgatattt atcgtgcact tcagcaaaaa 294540  
  
 tcaactttaa aaagtatat gtctttgcaa agcctggcaa cagtagaaaa atggggaaat 294600  
 cctattgcac aaaaattaat ttgcaatgc aaaaaatatt tttctggata attcagcct 294660  
 ttatgtttat ttcagtaaag ccaaatccag tgaactatit tcagccagga ttagtcaaa 294720

ctaaaagggtt ggactgtttt ccttcagagg ctgaatgtct ttctgcctg caataggccg 294780  
 gtgtgttcca gagtaaatg aattgccttc aattgcttgt ttctttgtgg catttttaat 294840  
 gcagaaccct agtgacagag taaggttttg ctgtctggaa agtaattatt cttttcactc 294900  
 atataacctg gcattctcgc aatgtatcag cttcaggttt tccttgagaa aaatcacaat 294960  
  
 gtggtgcata gcgttgtgac aagaaatgca attccattcc acaagacatt cttaaaactc 295020  
 tttaaaaaat acctaccggg cagtgaaaaa gtgctttgaa tacttgcatc atagctatca 295080  
 cctgttttgt ttgcttttac atgaataaga aaccttgccc aatctataat caagcataca 295140  
 catagtccag attctttttc atcactgaca tactacagaa agaaggaact cgggctgggg 295200  
 aaccacagta caaataaatt tctgtttaaa ttgatttata tatttcacat atttagtacc 295260  
 agcaccatac tcaatatcca gggaatata agaaatctta gactttaaat gaaatatctc 295320  
 tgtccatcta aactaatata aaacacatgt tcttcttttt ccaatactta agtgagctgt 295380  
  
 ctgagattgt gcaaagccat cctgtgatcc caagggtgat gccctgttta taaacctga 295440  
 gggtttctgt gaggtgtgaa attgttgtga aaccatttaa gaatcgtatt attcaaaaat 295500  
 agtaaatctt gccagaagac agagagagtt ccaggatgga tgctgtgaaa ggcagaggcg 295560  
 aggaagaaag agacatcagg cccacttccc tcagcaccaa aggccttcct gctctttctc 295620  
 ctcatatctc tctacaaaat tactcttaa aattagttag gatcctgtga gattctgctc 295680  
 ctgtgtatcc cctgggtgat tttatgccga ctataaatca ttagctagtc tctcaacct 295740  
 ggaaggtaca gagcgcaggc atgtggatgc atgccgaaac acttttacta gccaggttgc 295800  
  
 taagtggatg gttccttttc aaatatcaaa accactcttc tctccatccc aattctagcc 295860  
 cggttatttg aggaagaaa aagtcactgc atatttgctt tggaaaagaa ctaaagcttg 295920  
 ctgatgtgca atctgtgtcc ttctgtcttt gcacatccat acacattaag gaaattcaaa 295980  
 gtgtgtacct ggctggcatc tcctttccaa gattttacag agtgtggcag actgatcacc 296040  
 tgctgggatg gatcgtgtac ctttgagaa ggaaatatag caatggagag ccactaacca 296100  
 tgaaagaaat cttcccttc ctcaagctga aggggaacct catctcatgg atacctagac 296160  
 ccccacgcat gcaaactcca tgggccgagt taggaaaaaa cacacgtacg caaagcaagc 296220  
  
 cgggccttca agagaggica ccccttgccg ttccgaaact caccgtacac ttgttgggct 296280  
 tctccccaga gtggactctc atgtggatca gcagtttata gcgggcgttg aagggttgt 296340  
 atcttcgagg gcaaccggcc cagaagcaag tgaagtcctc ccccttgccg ttgtcgatgt 296400  
 ggaccttctc gatgtgccg acgagctcct cctgctggtc gtacaggcg ctgcagtcga 296460  
 tccagcgga gcaatgttg ccccgatgc cgtccatctc cccgtcgtcg tccagggtgg 296520  
 cctggggcaa ggccagctgc tgggcgtggg gcccgagctc cgggtgtgga aggtgcgcat 296580

gggcatggtta aggggggtggg gggcctgggg gcggcggcag aggaggagc ggaggcgcgg 296640

ggggtaggtc tacggtgctg cccgggaact cctccaggcg ttcggtcttg aacaggccgg 296700

ccgactggct gtcggggccc ggcaggccat gctgcaccac catgtggttg accaggcctg 296760

gctgcaggcc gccgtgctcc agctgttgca tgcgctcgtg ctccagggcc ccgtcctcgc 296820

cgtaggccgg cagcgccagg cctccagggg ccaccagcac gcccttctgg ctgccgggca 296880

ccgggcgcgg ctggggaatg cagctgccgc gcacgccag gaaatgccg tagacctcg 296940

gctgcgggga caggttgcc ggcgaagccc tcgaccgtt gatgtaggcc accaaggacg 297000

tgggcgacgt gcggatgatg gtattgaaat ctatccgat gccatcggac agcggggaca 297060

aggacagcgc tccttcttg gagcgggccg agtgggacct ggtgatgag tgccaggac 297120

taggtaagg agagtggcta cttccgtgc caaaaaggta ggatggtaat gagttagaga 297180

cactattgct ggacatggat gtccggggag gaaggctaag gagatccct agatcaaggc 297240

cattctgaga gccgtggtg gagagcgaag ggagggccct gtagccctgg gaccactcct 297300

gcttcatgct tgaggccgac tgactttccg tcagactcaa ggtcgtggac gccaaagact 297360

cacgcgaaat aagggacctg gaacagcagc cagaaaggaa gaaaaaaaa agataaacat 297420

tttagcagga tacggattgc ttaagagcta aaagaacact gcattgacaa tcccttaagt 297480

atttccccta attacattct gtgctaaca cacattcttg ggctaagata aaatccaagg 297540

cttccagttc caggtaata acattttacc aagaagaaca ataaaccta atgctcactg 297600

aaataatgta acaaagatc tattgttata aataatctta atacttgagt aataaatagt 297660

ccttgcttta ttttaataa actttttcaa tatgggggaa aaaggataga gacctgggaa 297720

aaattactga tacctgtcaa agccaaccaa ataagtatit gttgagcacc tactatgtgc 297780

agcatgttat gacaggcttt gcagaatctc agccttcaag taaaatctat ttgggaaagt 297840

aacatataaa ctcatgcttt atttgaaaaa aagtaaatcc tcaaagtcaa agggttgtcc 297900

aggggactta ataattcac aatttagttt cactgatatt aagggaattac tctgattttt 297960

ttaaagatag taattcacat tgccagtaat tagttacatc aaatcaccac agaaaatgaa 298020

aacaatataa aaagcagcta taatatataa gggagtaaca aactgataac aagtcataac 298080

tggaattatg cattagagcc attcgggatt taatcacact tgctagttag gttttctgtg 298140

aactctcgtc cttaaatcca agcagctttg ggccaagagc agatcgttca ctttctgtaa 298200

ttgacttttg caacaattcc tctctattc ttcttaccct ttacaaacac accctatgtc 298260

tcacaatata ttatctgcat atcaaatgg ttcataatgt agctctggtc actttaaaat 298320

tcatttttgc ttactgtgac attgttgcct tgaaaataaa aatcacttct tgatcttttg 298380  
gctaacttta agtgtgaaaa taattgagaa gaaaagatac gtcctttgga aggaaaaattt 298440  
gccacagagg caagacataa cacgctgtat ttcttgactc agacatggtg tgtatcagaa 298500  
gaacctggct tattatatgt acctgcattg actttctact gaagtctttt ttactgacaa 298560  
aaaattaatc acaacaaaac gttatataaa acgtgtcttc tcaaatgaa cacattgttt 298620  
ccagctgtta aacatcaacc tgtctcaaag gaactgaggt aaaagaagca ttttcatccc 298680  
acctgttcat ctiactctgt ttcacaaaat ggaggccaca aacaccattt catacaagca 298740

tatgatatta gcaagaaaaa catctcagct ccaaaatgca cagtacaagg tgataacacc 298800  
atcatcaacg agatgttacc atcgagtga gtaatgttta ccaaagacaa acacagcagg 298860  
aatttacatc cagttgccct tgacatagat ttctctcttg gtccacatcc ttaaattcgg 298920  
gttgtagtct ttttgaacc tccacagtgg ttctggaacc atctagtttt taattcccca 298980  
cggacacttt tcaattatit tcccagcaca cttgcagcat gtggctcttc ctgcagagct 299040  
cagctgaagg ctcttggtga ttggatgtca agggcctttt ggtctcttcc ccagcaagat 299100  
cgaggaattg ctttcggacc caaactaaat tagtagtcct atcgtatatg agacagagac 299160

aactgactgc ttacacccg caggttgaga aggttcatag aacataaaga accagagctt 299220  
tggcagagct acatgcctga atggatgcac attctcaggt gctacaattg cctgtcactg 299280  
tcatactgga gcatattaga ttgttaagtc atgactaaca gacagaagta tgttatccac 299340  
ctatatatac ttigtctata aaattgtatt atttggtttc agggcagcct atagtgaac 299400  
gttcatttgc tccactgttg agagatgatt cttatttctc tcaaattata cttaaatatg 299460  
gtcaatcaa aatctgcaca taaagccatg caggcacatt atataacttt ttgggcatct 299520  
gagttttcta agacaattat atatttttca gaaagcaaat tctatattct attcattaaa 299580

gtattaatat gaacagagaa ctctcttcta tctcaaacac ctaatgagaa caaaacttcc 299640  
ccaaatggcc ttigcctagc agccagtctt cctcctgtgt gattactcag atcttttaat 299700  
ctttcaaagc tctaattcat gacatctctc ccagctacac tagctcccag tggaagtctt 299760  
cttcccaaag aagttatata ctgtctgcaa tgtgtcttaa atgtagttaa cttcaggcat 299820  
ctgtgggtgt tatattcttc aataaatttc aaagtctttt aacagaaggg atcattttta 299880  
tcttcccagt gcttccaga atgtaagata cataactaagt actcaaaaaa ctgttgatta 299940  
ggaaagtaaa taagtaatca atatagtac aacagaacat tatttatggc actcacaag 300000

cattttccct atatatgac tcatttgata caacctgtca gtttaagtaaa ctggatttta 300060  
aaaataactt ctattttaca aagaataaaa cagggttttg gaaatttctc ccagtgcac 300120  
acacacacac acacacacac acacacacac acacacaccc caaagttctt agagaatac 300180

aagtgaagct gtgcttgata ggcagtgacc tactggatca tacacattct ctattgtttt 300240  
ctttacattg tatcccatat gtcaccaca atgctctgct taattgaaag acctggata 300300  
acaggttaa agtcacaca gctacgatgg gcacccaaat tttctgttct tcctgcaata 300360  
atatgttgaa tgaatgtgaa tggttccaaa ggattctggc ctctaactcc tgctgctacc 300420  
  
cacacgaggc ccacagcaaa gaaagtgaac gctgtatcat tatttgagag caatctccat 300480  
ttccatattg tcatctgac ctactgatat tacttctggg gattggttaa ttggaacta 300540  
tatgtaaaag gaaaggagat atatcttgaa caaaataaaa ctaataggaa aactcagaaa 300600  
ccatcagcaa aaatgattag ggtggctggg taaccaagaa ctacagtaact tgtatggggc 300660  
cataagagca tgagaggcat gatgacatg ttagatgttt gcttcaatgt caagctcaaa 300720  
agaagttcta atacatcaca tggagaattc ctcaaaagaa aaaatatatt ccctatatat 300780  
gtagatcatg aaaaagacgg ccagtcctag tctatctgga aattcgtgtc tatgtgcctc 300840  
  
agcaaatccc ctaaaagaat tagtactgta tctaaagaca ggatggcttt ataaactgtt 300900  
acaatttaca gagagcctgg agtgcacct caacccctt agccttctct gacctttgtg 300960  
gatatactct caaaggaac catcaccaag aatttctgat ttaggaaata aaaatctaaa 301020  
tacagtgcct ttttggatct ggaatgacat tcggtgatgg ctgaactttg tcaactgaca 301080  
gctaagcact tggactttct gtgtcctggg tccatcgggt cttaaacaga aatatttgca 301140  
ggtagtttat gaaaattcaa tcataaaatg caggattaca atgcatgtga aaactactga 301200  
aaagctaagt atgctacca agccatgcag gtggcatctg agtagaatgt ttcttctact 301260  
  
actcaatgtt tgtagactg ctctatgaaa ctgctgtatg atgttactgt atcagcacct 301320  
cagccttgct attttagggg aaatatatac aatggcctct gtattcgagt tttggcaagg 301380  
cctaaatcga gaatgactcc tggatcttca agacggtaag gtatagtttg catttatcat 301440  
taagcacagg taatcagaaa tggttgggaa attaacttag gcaaatatat agccttaagg 301500  
caggattctt attattggat taaatagaat ccaacaaagc taaggaaaaa gagcttttcc 301560  
ccaagatgag cacacccaaa aaacataccc aaaggaggtc aaaagaaaaa atacaaacag 301620  
ccaataaatc tatgaaactt catagattta tttatgaaaa cttaaatatt gtcaataatt 301680  
  
aagaatgcaa attaagataa aataacattt tacagatcaa actggcaaag tttctaaact 301740  
agtaaaagt ctaaaaataa taatacctag taatgaatgg tgtattagaa aacaggcact 301800  
ctcttggact gciggttagt ttataaattg ctagttagtt cctgcagtac agtttgagaa 301860  
tatgtataaa aagcctcaaa actcttttaa cacaacaaat ttactttta agaatttatt 301920  
ctaataatca gaattgtgca acaaaagatg tacagagctg atccaataaa gcattattta 301980  
taatttttaa agaattgggaa acaactaagt gccaactaac aaaagactaa tttttaaaat 302040

tataatTTTA tttataCact tttttataa agtggaatcc tggacaggaa gaagccatta 302100

tatgatgttg aaagaggctt ttattataaa agcttataat atattaactg gaaaaaagta 302160

attaaaaact atgtagatta ctagatcaat ttagtggaag ggaaagccta tgtttattgt 302220

atatgtttga ctataactgg aaggatgtat atcaaaattc cacccatggt cgtctctggg 302280

gacagaattc aggatgactg tcatttagtg ctgggtactt ttccatgttt tccacatTTT 302340

ctacagtGaa taagaattac atcttcagga aaaacaatac attttgcagc ttttcatagg 302400

gcagcatctc tcaaaactgga cagttcatgc ccccttttcc acttccatcc actcccagca 302460

tgcccccaat gtataaaacg ctaagctgat tctctctcca tcttctcttt atctccagta 302520

aaatgttgaa ctttgcctct tattgaactg ttgccctta tttttctct ccatgatga 302580

aatacacaaa ccaaggctca caaataaatg caacctttcc aaattgctaa aagtaagttc 302640

catatttcac caagcaattc ccaattcctg tttctttgct catcctgaaa aaaaaaattc 302700

catagaagga ctcaataat aaatacatag tcaaaaacac ttgtcagtga atcgtaag 302760

tgttgctttt taaggttata aaattatgct aaggaatcaa atatgccaga aaacaatgag 302820

ataatgacce ctctctggcc gaccataaaa agggactgca taagatacat ggcttaagca 302880

gtctgtgccc tgactactgt cagtttcacc gtttaattata cttctgcctt caaggcatgg 302940

gctggacttg ccacagaaag gaagctgaag gcttcccaat gacaccacc ccatgagcac 303000

agttcatTTT acatgcagca ctacgaagt ctgagaagtc ccttaaggca taatcatcaa 303060

tgggaaaatg acagcagctt cccatcacia aaagtctcag gtgaaaaaca agtttctatc 303120

tcatgaaaaa attggcataa ataatgatt caggaaactat gatttcagag tctcaaatag 303180

tgactaggag ggacagcaca gagatacaag aggggagaac aggattagga ggaaggaaag 303240

gaagaagaca caagacctca gaactgcaag gcacatagca ggttacagat cctaaagaag 303300

aggaagcagg ggcttagaga gtaaaattcc tttgcaagac catagttagt gcagaactag 303360

gactaaggca gaaactgtgg attgtgtttt tccaagaaa taacttctag aagataaaat 303420

aatttatTTc aaacatagac acagacctta aacctgtac agtatTTtg ctttatgccc 303480

cctccacctt aatatcaacc ttgagagaga taaagctttg tctgaggggg tgatttcctt 303540

tttctattca attccctccc ttggagatag acacatggca tttatagtac ctacttacta 303600

tggaaacctaa tcgacattgt gttgaaatgt tatgtaactc aaacacaaaa gtatgccttt 303660

ccagacacat cataaagtct taaaatttat gctttctatc tttactctct ctactaggcc 303720

cctaaacttc aactattata ttatgcagac agtaggaact taacaatat ttaagtagat 303780

gggtagctgg atggatgcac agatggacaa gacagattgt tgagctgcct ggaaactctg 303840  
 catcatattc atagaaaacc tggcaggtaa gatagggtga catggacat gcaaatttgc 303900  
 taggccatga tatgattgct tcaccagaaa ttgacaaatt tacacaccgt gtttcagtca 303960  
 ctgaggcccc acaatctcaa attaggtatt catgtcactc acaccacaag acagtaggta 304020  
 ttaaagcatt cctcccaatt aagatgataa gatggcacat acttagtttt agacatattc 304080  
 ccctacaaac ctcaaattga gagagtgtct tgagtgtgta agtgtatgag tgtgtgtgtg 304140  
 tgtgtgtgtg taitcagaaa gagaacggaa aacacttgtg ggggtgtgtt ataccataaa 304200

gaaaggggaa aaaaaagtta acttgagacc tggatatcga aggaggtata ttcaggttgg 304260  
 ctgcattcat tgcctctgt aagctaggac tgatctggtt gcatgctgta gagacctggc 304320  
 ttgctggagg tgaatgagt cccagtcgct gaaccatcat gggactgctg gtgaccacta 304380  
 gattgttgca gctgcctttt ccaatggact tgcactgagg cccaaagcca agagccccta 304440  
 aaaacaaatg aatcaggtta gctttcatgt cccttacatc agaaatcagt aaatacagac 304500  
 atgtgcacgc ttatatcagg acccatcttt agagacagtc ctcatatcat ttttttttt 304560  
 agtattggtg atagcaaaag gctttctcca attccaatga caaagccata acgtataat 304620

agaaaccttt ccataatcag cactcataca aaatgtgctt aaattttact ccttctatgt 304680  
 agaagtgtcc agttatatta aaaatcata tttataatat ccttacctaa agggttaagg 304740  
 tggtaaagtag atgggattgc ctgtatcaaa ccaagttttt tcctagaata gtaaatatct 304800  
 tgaatcacc agcaaggaaa gttgacacta ctggaaaaaa cctgtttaac tggtttactt 304860  
 cattccaaat ctgtacttcc aaaaagtccc ttcacaagga tgtagtctgg ctgtgtctct 304920  
 ctactcttga tttttttct cctcatctca acacattgtc attggacatc tactcaattt 304980  
 tttaaaatat caggatgaga gagtgtgtaa caaatgctc atttgaaaaa cagcatggta 305040

accaaattgg acatagattt ttcatittca ttagtaacaa tctttcagt tagtaaaagc 305100  
 tggtagatcc ccaaagggga aagaaaaaaa ggaaccacaa agaactctgt tcgttatgga 305160  
 aaagtgaata gcaaagagtt tgagaaaggc aaacactgcc atgactcatt tataaaaaaa 305220  
 tcataatgag ctgaatcatt ctagacattc tttttacatg gatgcacttt ttcaaacttt 305280  
 ttttgcac tacctggica agtctcagta actatacact ctgttcccat ttctagcaaa 305340  
 caaaaatata tacgatctca atctttaaca aattaagctt tacattgcaa atttcccatc 305400  
 tttttcattg atatatttgg gatcgaagta ggaagaaaag tgtcactgtc acttttctta 305460

gctgtagggg tcataatttc ctattttgtt ttccccaaaa ttaaatcaat agcccaaaag 305520  
 tgcctttgtc atcttttcta acattcttcc caagagcccc ccaaaacaat agaacaacaa 305580  
 agacattgga gcagtcactg tttccatcag tgcagcccta tctcaaaaat gctgggggag 305640

tcacagcatc attagctgcc aggaatcctg gtctagtga gacttatggg acactaaaat 305700  
ccaagtggta attgacctgc acaaaatcac acagggattt aaaggagaa cagaaactga 305760  
ttctacgaga atgtattttt atgacacctg tgtgcttaaa tttaggctct gatatgccta 305820  
gtttcttctt tgiacacttt ccaagatcat ttgctccaaa agaaatttct ctgattttct 305880

ttccagata cataaaccag aacctctctt tgaccctcc cattgcagtt tatatctgat 305940  
ccatcttctt gtgccttaaa agatcagtta tagatatctt gtttctgtaa ctcataaagc 306000  
actgtattat ccgggcttca tcttgacacc aagaatagta ggtacacttt tatgtaactg 306060  
catcataaat tcaatatctt taaaaatctc aataagctac atgcattagc ttttcatatt 306120  
ccctttttac ctigaaaaaa aggcaatgtg atggttcata gcctagtcca gtatataaga 306180  
ctgaatgaat gaatttctta tatgaattct ttccccaggt ccatttgcta ctagccacta 306240  
ttattaaaag caacatcaat tatcaagtat tctgtcaaat ttaatgtcat atatttatct 306300

aaggaactca gtcattccat gcctatttcc ttttcagaaa aaaggtatta atatctatct 306360  
acctctaaaa caaagatata gcagctggaa cagcatccaa ggaatactac ttgatggcaa 306420  
aacataccaa tagattattt cataaaacta aaatggcaca tattgtaagg tgtaccatta 306480  
ttttacgtac cagtaagaac atgaactgcc agtccaaacta gtgcatgatg tccagatttc 306540  
agagatgttg taatgtaaaa acatgcacac cttagagcca atacaaacta atgtgatcac 306600  
tgaaacattt attttaacce ttatcttggt catgctcttc tctttgcctg gaatgcctt 306660  
accctaactt atccacctag tgagcacctc tgcactctta aggtctcaat gcaagggtca 306720

ctctctatat gacctctcc tccactacct gttaggcaga tctgaccact gcttctttca 306780  
tttgtccaca tctcccatca cacatgtgcc tcagcaccta tagtgcttca gggaactaaa 306840  
ctctttacat gcctgccatc ttctactttt tatacttcac tgcgttttaa agacaaagct 306900  
cttgtttgaa gcactctac ttcccttagca cctaacctag ggtctaatgc acattacata 306960  
ataaagtcta tccagtgaat ttagaatgaa tgaaagaaaa caaaagatc ttataagtga 307020  
atattaaata ctgacaagtt attccactga aactctcttg gtcacttttg ttgatgatat 307080  
acagtacat ttttcaaaaa gcagaacaaa aaaaactcca agtcaatcct ttgatgtctc 307140

tccacataat tgctaactag atctgaatgg aatatgaagt cagtgggggt agtaattata 307200  
aatccatctt cctgggccag aattttacac tgggtcaaggc tgcctctgta actctctact 307260  
ctggattcat acattcatat tgttttcttg ctttgtaata aagaaatgct aattatctcc 307320  
ctagtatctc cacattctta ctataccacc tctactccc aaattcactg gtcaacttta 307380  
cactttacac tcaagtgtaa agccaaaagg ccaagaagcg atcactggtc aactttaacc 307440  
ccatctaagc acaaatgggtg tcacaaatgg tatccttgaa gcataaaaat taatggtgaa 307500

cttcttggga acatgtaaat gtttgtggta caactatgag gatgttctgg aaaatggaaa 307560

atggcaacat ctgtctcaca catgcaggca aacaagtctg accaagaacc actgtgtctca 307620

atacagccat ctaagtgttt ttcataatgc cagaaacata atgaacacct atacctccag 307680

acttctcaga attgtgcagt gtcttggagt gtgggctctg gagatagctt gcctgggatac 307740

tgctatttgg ggacttacgc aaattactta acatttttgt gccgtatttc tccatgtcta 307800

tgtcttctca tctgccaac aggataaag ttaacctcc ctctgatatg gtttggatct 307860

gtgtccccc caaaaactca cattcaactg taatgaccag ttttggaggt ggggccagct 307920

agaagtgat tggatcatgg ggggtggatc cttcataaat ggtttagcac catcctttgg 307980

tgctgttttc atgataagtg ttctcatgig atctggatgt ttcaaagtgt gtggcacctc 308040

ccctctctc tcttctctc gctccagcca tgtaacacat gcctgtttcc ccttcgcctt 308100

ccacatgat tgaagtctc ctgaggctc ccagaagct tctatgcttc ctgttaagtc 308160

tgcagaacca tgagccaatt aaatcacttt tctttataaa ttagccaggc tcgggtattt 308220

ctttatagca atgcgagaac agactaatac caaggagtgg ggcatcatta tgatacctga 308280

aatgtggaa gaagctttgg aattgggtat ggacagaagt tgaaagagtg tggaggactc 308340

agaagaagac aggaagatgt ggaaaatagt ggaacttcct agagactgcc cgaattatga 308400

ccaaaatgct gacagtgata tggacagtga agtccaggct gaggaggtct cagatggaga 308460

tgaggaaact gttaggaact ggagcaaagg tcacttttat tatccattag cagttaggtt 308520

gtaggcattg tgccctgct ctcgggatct gtggaacttt gaatttgaaa gtgatttagt 308580

gtatctggag gaagaaattt ctaagcagcg aagagttcaa gatgtggcct ggctgtttct 308640

aacaacatgt gttatataat gtgagcaaag aaatgagctg aaactggaag ttatatatta 308700

aagggagca gagtgtaaaa gtttggaaaa ttacagcct ggccatgtgg tagaaaagaa 308760

aaaagcgttt tcaggagagg aattcaagca ggtgcagaa atttgcataa gtaaagacaa 308820

ggcaagtact gacagccaag acaatggggg aaggcccaa aagcatttca gagaactttc 308880

tggcagcacc tctcatcaca ggcccaaagg cctaagaggg aagaatgatt ttatgggcca 308940

ggcccagggc cctgctgcac tgcacagcct ccaaactctg ctcctgcat ccagcagct 309000

ctagctccag tcttggctca aaggggcca ggtacagctc aggcctctgc ttcagagggt 309060

gcaaaccata gacacttgg ttgcttccac atggtcttaa gcctgtaggt gcacgaaatg 309120

caagagttag ggcttggag cttctgccia gatttcagag gatgcatgga aaagcctgga 309180

tgtccagaca gaagcctgct gcaggggtag aggccacacg gagaaccact tctaggagg 309240

cgtggagggtg aaatgtgggg ttggagcctc cacacagtct ccactgcagt actgcgtaat 309300  
 ggagctgtga caagaggac accatcttcc agaccccaaa atggtagggtg cactgtcagc 309360  
 ttgcacctg cacctgaaa agccacaggt actcaatgcc agcccatgaa aacagctgcc 309420  
 agggctgcac cccacaaagc ctgagaagca gagctgcca aggccttagg agcccacctc 309480  
 ttgcaccagt gtggcctgga tgtgaacaa ggagttaaag gagattattt gggagcttta 309540  
 agatttaatg actgccctag ggggggttgg ggcttgata ggacctatag cccctttatt 309600  
 ttggccaatt tciccccttt ggaatgggaa tgtttacca atgtctgtac ctccattgta 309660

tcttagcagt aattaacttg ttttttgatt ttacagctc atataggtgg aagcactagc 309720  
 ctgtgtcag atgaatcttt agactttgga cttttgagtt aatgctggaa tgagttaaga 309780  
 ctttgagac tgttgagatg ggatgattgt attttgcaat gtttggagac atgagatttg 309840  
 ggaggggtca ggtgatata atatgctttg gatctgtgc cccacccaaa tctcatgttc 309900  
 aattgtaatg cccaattttg gaggtggggc ctgggtgggag gtgattggat cagtgggata 309960  
 gaccttcat gaatggttg gactgtccc ttgctgcta ttctcgtgtt agagttccca 310020  
 tgagatctgg ttgtataaaa gtgtgtggca ctgcccattg ctctcccttc ctctgctcc 310080

agccatgtaa gatgtactg cttcaccttc actttctgcc atcattgaaa gtttctgag 310140  
 gccaccccaa atactgttat gcttcttgtt aagcctgcag aactgtgaac caattaaacc 310200  
 tcttttcttt gtaaattacc cagtctcaag tatttcttta cagcaatgtg agaacggact 310260  
 aataaacct cataaggttg ttgtgcatct agtattaaca acatacatag aggactcagc 310320  
 acactatcaa gcacgcagta ggtacttaac ggatgttaac tgctactgtt gttattgata 310380  
 ctatgattgt tacatgcctg tcattgcttt ttgctccat tctctttcta aagaaaatat 310440  
 tcctttataa ttccttgac aaaacaagat agtaaataat gctgtttaat tctcttctca 310500

tttccaatat tctttctgct ttaagtctac ggccaatgtt ttttttaaaa aaaaaaaaa 310560  
 acaaaaaacc acatgtcatc acagaagaaa agtttctga aaacaaacca tacaactttt 310620  
 ctgactacca gatgtgccaa tgacttgtgc actggttttc attttgaaac actgcttatt 310680  
 tttagagact acatgatgta ttgaaacat gtgtttactg ctcaaatgag gacctaatg 310740  
 gatggcattc tgagtaccac atacattcta gccaaaatca ctgtatgcta gtagggaatg 310800  
 caaacgtttt gcattttcaa atttctgaac ctgagttca ccttagcagg gcatgttttt 310860  
 aattaatgtc ttcattagtt aaaagggttc tcttgaagtc aaatggctga ttatgtcaca 310920

attatcacta ctgaggctgc atcattcaga actatttatg tgtatccact ggttttaaaa 310980  
 atgacataga tacaggggga acaagaatga aatatatctg ggaagagcgg agagaagcaa 311040  
 ccaacaataa cgttattgtt cgttatctga cacttatcaa atgccaacca ctagccaggc 311100

agtccacaga gacaatggtg agcaagatta acccagtcct ccatggagcc cacagtctag 311160  
ccatgaagat gcacacaaa ccaaccattc attataaaag aggtgatccc tgctcctagg 311220  
ctgggtcata taaaatgata ttcttaatag gtccaaaatg atcatacgag agcaatttct 311280  
atatggttca acctaacaca cacacaaggt gttacagaaa cagaaatata catattaggg 311340

tttgagtctt gcctcccgcc cttactggct gtgtgatatc aggaaggtcc ttaaggtctc 311400  
tgtgcctcag cgtactgttc taaaatgggg tcagtaataa tacctaactc ataaggttgt 311460  
tctgaggatt aaaagggtta gtaaatatca atatatgcct cactgcctct aagcagcagg 311520  
gttttcttcc cacacttttc cttgaaaaca tttttaaaagc tacagaaatg tcacaagaat 311580  
agaacattag ataaagtga agctcatcgt actatctatc tatctaacca tctctatata 311640  
taaacttatt ttgtattaca gtattaattt ttgaaccatt taagaataag ttgcagattc 311700  
catgtccttc attcctaaat atataacat aatataatca ttgaattcaa gacacttagc 311760

aatgatatag tattagtatg taatatgcca tctacactca aatgtaactt atggaacaat 311820  
tgttttccaa tccaggatca tgcatgcaa acataggttt tgagactccc attcaggtgg 311880  
gcattcaaga atgggttatt accaactagg gttgggatat cactcgacac ttgggtacta 311940  
aaaacagaca gaaaagtgga aaagatggtg gaaggaaaga agtgagaggt taacagtaca 312000  
taacacagta gctaagagcc atagatttcc atcctggctc caccactgac tagctgtgtg 312060  
accttgga agttacttaa gctctctgtg cctcagtgtc ctgatctccc aatgaggtta 312120  
acactagcag ttacctcagt ttggaggatt aaaaagtcta atatatgtaa tagggcctgg 312180

cacttaatac attgttagtt ctatttata tttattaaag aacttgtctc tcatatggta 312240  
cctttctgat attgtttcta gcacctcttc tctgagtgc ccagaaacag catgctgatg 312300  
ccttctgcc caagaccttc tacacacaca cacacacaca cacacacaca 312360  
cacacacaca ccgtacatct gtctcgcct gaacgggac caggttttat ttaggccatt 312420  
ctagttctc ataccattt tctctttctc tcagctatct tagaaaaca tgattacttc 312480  
gaactaaggt gtcagggact agcaaaatac ctcaagaaca ttttactgca aaacactaat 312540  
acaacagaaa ataagtaaaa tttcaaaacg tggcaagaaa gactgaaagg aatttttttt 312600

aaaacctctc aaccataccc ttttactgtg caaacctgtt ttatataagc ctggcccttt 312660  
tatttcttag caagcacaaa ttcaactaca attgaagtag agttgaaagc caatttagat 312720  
cacttgcaat tgaagttttt gcaactttga ggctcaaagt ttccattat ttttagttct 312780  
aagcacctaa ctatccctaa ctggcaaggc ttcttttaat aatgaaatca atgcctaata 312840  
taaaatatga gtcttacacc tccttcaaaa gcaataaagt ccagatgct attggaaaat 312900  
atttttattt tgcatgggaa atggtggctg gcctccatc ccagcttgtg aatgtaactt 312960

tggtcattta gcagagtaat tttaaccttt agccttagtt tcttccatct ctaaaagaca 313020  
  
 aataatacta tacaccctac atgggtgctt cgaggatgag tgagacccaa catatatgat 313080  
 gtgcctgctc agtaaagagt agttgtaatt ttgtttaatg ttattgtcat gattatgtta 313140  
 cggaatgata tttttagtaa tgcaaatga gccataatgg ggagaatgat tatctaactt 313200  
 aggtgtgcaa aatggtagga acacttcttt ctagccattt tttaaaaaag gaactgtctc 313260  
 tcagtatgcc cttctctgct aaagtagaaa gaataagcgg ggatgagtag ttcaggaaac 313320  
 cttcttgttt tcctttgggg actaagctta ccatggaaag acagagtctt ttgccacacg 313380  
 gtatacacct tacctagaag gcttgtctctg aaagagctgc cctggactag ggagataaga 313440  
  
 tggcctaatt ctacagtga gtcagcaggt ccactggact ctcacacaaa gttatgcctt 313500  
 ccaacacatc ctctatcaga aaaaaaaga tattctgggtg ggaaagaaat acattattta 313560  
 ttgtgggtcc cctcatagac cccaaattat gttaggaatt acggcatata catttcatcc 313620  
 ctaaggttta ttagcttaac acatgtcaaa gcgttgtcta gaattgtcta cttagatagc 313680  
 attatctctc ttttatttgg gattatcttt attgctattt taaatttaaa aataatatgt 313740  
 atttgtgtat gtgtccatgt gctttaaaag gcaataaatg caaagttata aaaagaaaaa 313800  
 gctcataatc caccctcgac atctatcatt cccttaaggt aatgaactct aacaggtgaa 313860  
  
 tgtgtatcct cccacattct tctctgaatt cattcaaata tgagtatgta tgttctaatt 313920  
 ctaaaggcaa tggagtttag gcacacattg acccctatat tcttgagaga agtcatcgaa 313980  
 ctatgactgt ttgacaaaag aataatgtct ctaagcatta ttacttatta ctctaaactc 314040  
 ttactgctac tctaaacatt attatattac tcaaataaca tatctaata aatatacata 314100  
 ttcatcttta taatgaaata taggiacca ccaataaata aagaatagaa tcttaggcaa 314160  
 ggcatagtat caatccaagc ctttctcttt ttctcaaatg ggagaaacat caagtatatg 314220  
 aaagaacttt gaaaagtata ttctttcacc acagaaagaa acaagtaccc ttctctccca 314280  
  
 tctgctatgc aaaaacagat cgatgaaggt aagcacaggt catcaaattc tctcaccttt 314340  
 catgaatact cctccttaga gctagaaaca tcctgcatac caaacaccct aggccttgcta 314400  
 tgtagtgttt tgicaaattc ataataattc actgctgaga tacattagta acaatttaat 314460  
 gaacatatgt gactgtatgg tgtattactc tgaatacag taaggcatgg ctaaatggct 314520  
 acgaacacca aaggatgaca attagaatga aataaccggc tcctatatcc aggggcaaag 314580  
 caatcgaatt tggcaattgt gacaaatgct caaaactgtg caaacctat ggaaggttaag 314640  
 gaatgctgga tataacatcc tacctccatg gcgctcacia cctctgaaga gataagatat 314700

actcacctag gaacaatcgg ataatgtcgc tagactgtac agtattaagc atgaagctaa 314760  
atcatagaga caggagctca gaggaggagg gcaatccctt tgtactaggt aattcatcaa 314820  
agaagaagag tatgaactac aaacacgttt cccaaagtcc ttcaggatgt ccaaagatgt 314880  
taaatgacaa tgaagttggc ctcatggaga tgtccacagt ccagtaagct tgggaacccc 314940  
taatacaaca aagttaaaca tatctcttta ctgtaagtct tcaggagcct ttaaaaaatgt 315000  
aaatgcatgt gataaatctc ccagaagacc aaataatatt taaagtacat ttgttttagg 315060  
agggttttcc caagggactc atctaagact ggcatcttaa ggaataccct ttagaaaaga 315120

ataagctaaa acatgaagga agaagtagca cacaatgag aaggaagtag tagggtgtag 315180  
acacagaaac gaaagggagg aggcacaatg cgtcctggag aaacaaagat gagctagggc 315240  
tgcctacaag aggagaaagg gagaagacag agcttagagg gttggttcaa tcagccctga 315300  
agaactgatt taaaagctgg acattactta tccaacagtg gttcaaacct ggctacatat 315360  
tggcatcacc agtgaagctt ctcaaatgca aattcctaag ctccactgca aaccaactaa 315420  
accaaagat gctgataaa ctatgcacct gatgtgcac tgggaccttg tgctataggt 315480  
agtggcgcat ccattagga gcagagttca cccaagatta atctggaaga gatggggaga 315540

aaggctggag gagcacatga accagctgta cagacggcat agcagccaca ggggtgtaaa 315600  
tgacaaaata agaaagcaat ggttatgaag caagttagag taaggatttt ataattagtt 315660  
gctaaagatt taggcgatca catttaaatg ggagaggggg gccatataat gtctatttgg 315720  
tgacttcatt acaagacag ccaataaata ggtcaaatct gaaccaggag agattcgcat 315780  
gaatcatgca atctctacc acctgtctt caggagtcca gcttgaatct tccatgttta 315840  
tcccacaaag aacataactt tcataccaac attcttccaa ccttagtcag cattcaggaa 315900  
tgctgtccac caagtatgga atcaccagca ttactactg caatttatcc ctgtattaaa 315960

tggaatcaca ttatatacca agagattaaa atgtatcata ttctttctg taccactcag 316020  
tgccctggat tctgtgcat ggagcctcaa tcttgctccc caccactggg cactcccagt 316080  
aagatgatat tattaggaac ctacatctct gagccacttc ataaggatgc aaagataaat 316140  
taagcaatat tctggagtt tgtattctaa agtcccatcc gtcagctatt gtatatcaat 316200  
tatcaactaa ttagtagaga gtgctcatgc tgaccctct gttctctctt gtaatgattt 316260  
gccaagttaa ctgaaagctg ctctgctcca tagagactct tagtatagca agagtgttaa 316320  
ataaagttca ccaacaatta gcctggaaaa ccaaagagga aatgtaagca cattttactg 316380

cttctccctc gacaaatfff ctagcaatcc caggggaagt aagcagatc atttgtaac 316440  
taagcaaaca agtactctga aaaactgaaa caccagcaga ggcacaactt agtaatttat 316500  
tgctcacaga tcaggatttt gtttattgtg tcctgtctct gtgctacact atatactcta 316560

gggattgtgg acacacagat gagtcaaatc attcttgcct accatctaata ttaataggct 316620  
tagatcaagc ctcatctggt ggacacatct gtgaaaatat ataaaagtgg aattattata 316680  
cttactgtgg aaaaagagga cttccacaaa tataagaaag aatgaatgga agggagggag 316740  
aacgcatatt gtcatgggag aaaactgcct cagtttccca aagacacatt tactgggtgt 316800

taggcttggc ctaggccgt acagctagcc ctgggtcaaa gatcttaca ccaattggag 316860  
agagtgttaa ctaacacagg aaacaattgg caaacaccta atcttaaatt gagttgcttc 316920  
actgctgagt acaaaaagag ctcaaatgag gaaaagatct gaatacactg gaggaggctt 316980  
agtagaggag tgagacttca tctgagcctt ttaatggcag gaggagaggg ggcaatatga 317040  
agagtggat ggccaaaatg aagtgagggt catgtgctga ggaagtatta tggaggcagc 317100  
atgggggaag ccgtaaagaa tgagacacta ggccagaat agcttccctt accagctgtg 317160  
tgaccttggg caaatgcctt aagctctctg tgcctctatt tccttgtctg ggaaatgggg 317220

atgataattg ttccacctt cataaggctg ttggagtat gaaataagtc acgtatgtag 317280  
accacttaca acagtttcca gcacacagta agtactctat aagctgtagg cattcatatt 317340  
cttactaaga tgttatcaga ttgcacacaa cctccaaaac caggcacccc aaagagctac 317400  
agtagacttg caagcatggg tatgtttaa ggaggagca agaagataac agtctatttc 317460  
cagtacattt agaagcagag caaaggctga aggcaggaaa ccaagctagt aagatgttg 317520  
cataatctca gggtagacc aggttgggaa gagcaaacgg agcaaacagg gtaaagccca 317580  
acttatctta ttaagaaaac aagtaagatg gttgctgaag tgcctttaag gaataactaga 317640

ttcagaacct ttcttcata aatcaagggt gtatatctct caacctgctt ttccctgc 317700  
cccaagccaa aaaaagcag aggttgggtg agaaatggca aagctgcctc tgggtgagac 317760  
ccctcactgt acggagcaat gactggtatc cccagacag caagtgtca ccaaatact 317820  
gttggatgaa taggtaatga atacaacttt taagaacaat tcataagtca agtacagttc 317880  
aaggccacga atcaaatga gcagttctc tgaaatgtgt gtaagtcatg atgctaaaga 317940  
agactgaggt ccttgggtga cacaactgtt gatatgtctc taaattactc aacagacaga 318000  
aatattactc gttgcccc tctgtccata ttccctctg ttacatacag atacacaaa 318060

acacattcag tgtgaaggga gggtagtcta agccagcagt cccaacctt tttggcccca 318120  
gggactggtt tcatggttcg tggtttcatg gaaagcatgg aaggggtggg cacggttggg 318180  
tggggttcag gatgaaactg ttccacctca gatcatcagg cattataatt agattctcgt 318240  
aaggagcacg caacctagat ccctcacttg cacagttcac tatggggttt ctgcctctat 318300  
gagaatctaa tccactgct gatctgacac gaggcgaagc ttgggctgta atgcccactg 318360  
ctcacctgct gttgtgtggc ctggttccca acaggccact gaccataca ggtccacggc 318420

caggcagttg gggacccctg gtctaagctc ctcaatataa atcaatggga cttttttttc 318480

agtatgtaag agctggttca gaggcaaaat cgcagccaat tcttcattat agatataact 318540

tcttagcctg taaaaggcat atcttacata gtcgtcatag ccgccagacc aggtagatcg 318600

cttgagctct ggagtgtgag accagcctgg acaacatggc gaaacgctgt ctccacaaaa 318660

aatacaaaaa ttagccaggc atgggtggcg gtgcctataa tcccagctac ttgtggggct 318720

aaggtgggaa aattgcttga acctgggagg tcaaggctgc agtgagccag gatggcacca 318780

cggcactcca gcctgggtga caaagtga cctgtcccc aaaaaacaa aacaaaacag 318840

aacaaaaaaa gccaccagac tacctttgtt ttccctaag cagtaatttc ccattactgt 318900

ccaaaaagac acattctcta tcataaatig tttctgtccc atattctgca tgggcttgca 318960

agtccagatg ggatgccag aagcctcaga ccagaggga aggaaaatag taatgaagat 319020

tacattattt tgcattaaaa tgaagtcacc cctatttcca agaaatggaa agtaccagc 319080

ttcctcccag aagtcacca gagctgtcca actatctcat aggccagata ccttttctc 319140

ctctagactg taattgttaa ctctgagctc caaagcccat tcagcagctc atgtttatgg 319200

caagaaaatt cagcagacta ttatttgtat ttgtgtctc ttctgtcaa gagaggttat 319260

tataaaaggg ccaagagtag acactgtttg aatttatctt ttttttttt tgagacggag 319320

ttttgtctt attgccaga ttggagtga gtggcacaat ctacgtcac tgcaacctcc 319380

gcctcctggg ttcaagcgt tctctgcct cagcctctg agtagctggg attatcggcg 319440

cgtgccacca cgctcagcta atttttgt ttttttagtag agacgggggt tcatcatgtt 319500

ggacaggctg gtctgaaact cctcacctca ggtgatccac cctcctctc ctcccaaagt 319560

tcagagatta taggtgtgag ccaccgtgcc tggccaaatt catcctctc cacagtcttg 319620

tgtagaaac taaattcact gagattattc caggtgtctc gaaggtggca gaccttctg 319680

aaagaggata gtgcctctag gagggagaca gaaggagaga gagaggtggg attgcccaa 319740

gtctgggaag aacaacagtt tgatggctcc tgagtagcaa gacagctccc aaggaaggca 319800

gtgggggtta aaggtatggc tgctggcca aaatacaaag gccagacctt cgggcctggg 319860

ctccagctc cagcaaaacc tcctgtgtcc aagcaatgca cagagcagca gactcctaga 319920

ggctatgtgg ggcttggtca aaggcatct cagcagtaac ctgaagaacc aagaacacag 319980

aaaagctct ggaatgttct gctctctaca aacacctgg gattctgtgt cacttggtta 320040

gtgtatcagg ccacccaac tagcaataac tgagattaaa ttcccaacta atgagtaaga 320100

tggaatcttg gcatctgatt tgttgtgatt taaaggaaat aatttaaca accatttctt 320160

gtatacataa attggtagaa taagtcatac tacagatttg ctgaaaattg gagaggtagg 320220  
aaggctgaaa tatctacctt ttggctcaga aaatttgta ttgtataaaa tcacataact 320280  
ttaactaaaa taccaaaata taaaaataca attttaacat cacaaatctc aacacacagg 320340  
caatctggct gaggcctaca taatgtaatt cctttctgtt tcttttattt aatgctattt 320400  
tttaacttat aagagaacta gagtaatgta agcatttctg taaacatgat tggaacatga 320460  
gttagtatcg aagtaaagt gactttcatc tctgcacctt gtagatgcga atccagacac 320520  
ggtaccagca ataactccca actaatcata tctgaaatta ggtcaaaaaa tgaggaagaa 320580

cagagtaggt gctcacttac aacccaaatt ctttcccatc aaaatgaaaa agcaaccata 320640  
atacatattg atgccagtat gaaaaaatct aaattaagag ttgtgcttat gttctcccta 320700  
aaataaact attttaaag tagcagtatt tatctgaatt tgaatgctaa agctgagaat 320760  
aaacatgaag aaaaagttaa atgttaatca agttgatagc ttattccctg aataatatac 320820  
aaagtcttag aagagagtaa ataacacata ataaacaaca taagattcta tggttttcaa 320880  
tgtaaatgag aaggagagaa acaaaatcct ttcctaatta tcaaagagtc aattaagtag 320940  
aggccttagc ttgggggtta gagtgcctcc tcattcaact gttccagggtg aatcaaatta 321000

taaactctgc caggatgtgg tctcctgtgt tctaaacatt ctgtagcaaa acaaaaataa 321060  
caaaactaca ggcagaaatc tcactttgat cttcttatac aatgagtgga atacaaacct 321120  
tgaaacaaat ccagtttgaa ataaaaatatt ataataaatc cccaaaagtc atcgggtaat 321180  
attagcacct tacaatgggc agaaaaatta tgaagagatc tccaaagtat ttccaataag 321240  
gaagactgtt agacattaat ctcaacaagc tcatactaac tccaaattct caaaatggaa 321300  
tcaatacaat ttctttccaa acctaaccga tctaagtgtg tgaaattttc acacttaagg 321360  
atatgcatgt ttcagagaaa ttttgagaaa tcaaattatg ttttaaggct gaaagatcag 321420

tgaggaata aatcactttg gccaaatttc acaggatatcc gcttcccttt cttctctctt 321480  
atagctgttg ggtactagt ttgcaaacct actctctgac atactcacct tgcaaaatat 321540  
ccagaaaaaa agaataaaga tatgtgtctt ttttcagctt ttactggagc ataaatgaca 321600  
agcagaaact gtgtaaagt aagatgtata atgtgatgat ttgacatagc tacacactgt 321660  
gaaacaatta ccacaatcca tagttaacat acccataacc ttacatggtt acctttgcat 321720  
gtgcgcagct gtgtatttgt gtgtgtgtgt gtgtagtgtg aagttaagat ctactctctt 321780  
ggccgggcac agtggctcac acctgtaatc ccagcacttt gggaggctga ggccgggcaga 321840

tcacccgagg tcaggagtgc gagaccagcc tgtccaacat gatgaaacct tgtctctact 321900  
aaaaatacaa aaattagccg ggcatggtgg tgggtgcctg taatcccagc tactcaggag 321960  
gctgaggcag gagaattgct tgaaccagg aggtgggggt tgcagtgtgc cgagattgca 322020

ccactgcact ccagcctggg cgacagagca agactgtctc aaaaaaaaa ataaaaacaa 322080  
 aaaaaaacta ctctcttaat aaatttcagg taaacaatac agtattgtca actatggta 322140  
 ccacattgtg catgagcaat ctccagaact tattcgtctt gcataactg aaacttcgta 322200  
 ctctttgacc aatatctccc attttcccca cctcccaacc cctgacaacc actattctac 322260

cctctgctgc tatgagtcc agcattttgg attccacacc taagtggat cagccagtat 322320  
 ttgtctttct gtagcatctt ttgtcttttt ctatcaagca cactgaacta tctatggcga 322380  
 aacctctaa atgtttgaaa gagattttcc accatcttca gaattctagg atcaagccag 322440  
 tgagaaagaa aagagaatag acgagctctc ctttctgtt taaacatagt gagcacctta 322500  
 gtagggaaag attttcccat tatcttcttt caaaaatgtg tcagcatggt ttgggggagg 322560  
 gtgggacgac agggcaagtg ggagagctgt tattggacct caggggagaa ggcaaggga 322620  
 caaagatcga gaaaccttgc tccataaatg ctgtcctgtc atctgacacc acagcgcaag 322680

gaatgctact aacacctccg tccaaaggag gaaagaatag agtccgaaag agatctgaaa 322740  
 agaaggcgga taattcagct caaccgactt gttttttgac acgtagcctt gaaaagaaca 322800  
 attttaccte agaaacttgg caaatacaaa gtgatatatt ttgatagggt ataacatgca 322860  
 ttttactaaa tgcatgaaga gagggcgagg gaaaaaagg ccaggtatct gaagacagga 322920  
 aagttgtcag gtttctcgtt tctgtgtcat tttgttttag tcggtcaaat gaaaattcaa 322980  
 aacctataa ttagatggtt gtttatacat gattaagcat gagctcattg gactctacat 323040  
 gccaaaaagt cagagatgtg gttaagggca agaagggaact attaataaaa ggaaataaag 323100

ctgtaataca tttttcactt atgaataaaa ataactcaaa ggtctctaga tggaaaaaga 323160  
 gaaacaaaat caaccatgag taggggcaag aaaccagata attttataaa tggttagaat 323220  
 tcaataaaac ataagccact ggtatgaaaa ggcttttttt cctctccat gattctaate 323280  
 ctattttttg ctctctgtaa acataactca caatgagaac ataacaaaac ttacctgtat 323340  
 tatatttctt tagaactgtt ctgggaaata tttagcaag aacatgctgt ttatttaca 323400  
 gagttacttg ttcttcataa ctgtcttcac cagtaatcct ctccgaaaa accaatagct 323460  
 gtcagctccc ttggaaaagg cagtgtcctt ttgtttttaa caactgcaga attttcttc 323520

catagcgaag tgagccatt gaaagcaagg cttaactgac cataaccttc ataaaggtaa 323580  
 ggcagatgct cccagatccc ccacaggatc tgtgatttta gacttgggct ctgaaaactg 323640  
 gtgaatcaac tgctcataga ccaaacacca cactatggat gaggtcagtg ggcaagtctt 323700  
 tgggatggca gagaaaataa actgatccag gatcagccta cttactcctt gttaggttaag 323760  
 gtttttaagc caatactaca acgtcccact actgggaaaa tacatcaata cagggtacct 323820  
 ctggagaaca cgctggtaaa tgaaaaacta cacccaaagg tggttcaatt gtgtgtgtta 323880

ttttctataa gcaaacatat ctttaggttg ccaaggctag taccttttgc acacaactgc 323940  
  
 tgtgatacat atagtacaac caattgattg gaacaacatg atctaaaacc aaaaatgacc 324000  
 aaagcccaca ggatatcgca acacacagtt cttagaatg aggcataaat gaattctaata 324060  
 acattcaaaa agcccataat gcctaagagg catgaacacc gacttttaca gcccgactct 324120  
 gagagcagtc tccaagtcac atcagtcccc tctgtcagag ggacctaaca tctcaactt 324180  
 cctctctttt cctctccctt cctccccctt tcttctgccc agcttccctc ctccctttgt 324240  
 tccccctccc tccctcactt tctccctttc tctccctctc tctcctttag tatcagccag 324300  
 ttctgactcc cagagagagt aatcttctct gggaagtgc taccgctca gtagaattta 324360  
  
 aacaatatac ttcatttaag cctgtatgat aaactacaaa atatagaaat tcctaaaaag 324420  
 gtcatttcca agaaactaac atgacaaaaa agtacaatc tgaaaaggca tggacaattg 324480  
 agacaaagca caacattcat aactaatttg gcaattttta cctataaaac ctatatatta 324540  
 tctacatgtc ttacatgaga taggtacttt gtctaaaga tacttttta ttattgacct 324600  
 gattttgtca aattcagttc ttaacatatt catttagtgc aagaagctac ccaaagctgg 324660  
 gaggaagtgc cactttcatg aaacaaagtc tttatgcacc agaactttat ggattttgtg 324720  
 ctttaagtgt gaaggaaggg gggacacctt actaacctaa taaatcga ttattgaaa 324780  
  
 ccgttgaata tctactatag ttctagataa gaaatttgat aatttattcc taaacaatgt 324840  
 gtggcatgta actcaaaact atttttcctc aataattagt attaataatt aacaagggtg 324900  
 aacaacaaaa ataccttttg gaaatatttc aacttgcccc tttctcatt ccacaggctg 324960  
 cctattgcca gtctttacc tcaatttagg gttaatgact aaactgtcct catctctgac 325020  
 atgcaacact actcagcagc aatcttccca agtatgtgct cacaaataca taagattgaa 325080  
 aagaataaaa gtcttatcaa agtcactgga atctggcgaa ctgattttta aattagcaac 325140  
 tgcagttacg atccactcag cagtgaatta gatttttcag cagtagggac agaaccctga 325200  
  
 ataaacttca tctcaaagc ctattctcca tcctaaatat gcaatttatg tctttaatgc 325260  
 aagaattagc ctactaataa aaattaaaca gttctctaga taaacacagc aaagaggaag 325320  
 gatgctacaa gagctattca tttaaaacag gccagaacca atgtactgga ttttatttga 325380  
 cactcattct gaagagtatt acgttcgact tttaaaaact atcttgctat tatttctcaa 325440  
 tttgattgtc ccaaagcatc tttagagtca aatgcactag atcttatacc aaattaaagg 325500  
 catttcaccg taigcctcta attttctagc caccctgacc tagcacctga catttagaaa 325560  
 ttttagccca ctgcaattaa tctcctctgg ccattcattt cttcccaaaa ttgaacatta 325620

tgcaggcaat atcctaagaa gtcttgaaa ttcaacgtca tactatattt taatttttta 325680  
cagcaataac aaattctaaa attcctagtc ctcttccttc acgtacctcc attctattat 325740  
tggaatttca ataattggaat ttcaatttgg aattttctta caaattttctt accattattc 325800  
ttcctgaaaa atgatcaaaa tcatcagcaa aagcatctca tgcctaaatt attcatgttc 325860  
tcaggctgtt tggccactga cattttaaag tgtagaagt aagaagtcct tgcactgcgg 325920  
ggcttccata tgcagtgtct gcttgtgtac ctgtgtgggt atagattgtt tatatcttgc 325980  
ccttggctgg gggcctcaga cagctgtgca gactacttgg catacatttc cagggtact 326040

tgctctttgg ttttataaaa tgcaggcagc aggaacattc aggaactgcc aggacattca 326100  
gcaaaggctg gactgcagag aggaagcat ctgacaaatg cagagtaaga aacaatgact 326160  
cccttcaagg ggaactgctg gtgaagtcag ccagcgttgg ccagcgcgaa caatacttgg 326220  
gcaggtcatt aacttgcctg ggtcagagca ggtgggtgaa ctacccacc cactttctg 326280  
gaagcaaagt ttacttgcct gacttcatac caaaaaaaaa aaaaaaatta taacattcta 326340  
atggctaaac tagggatgtg tctgaaaata gtaactctg caaacctgc agaagacatc 326400  
cagggaattc acaaaggtaa gtcaacttac tgcggctgtt ttcattttgc acacatctct 326460

ataatagcta cgtatgtatt atgttgaaaa taagcaaca cattagcaa ccaggatttt 326520  
ttgaagttag gtggttacca ctgtattatg tttctccctc tcttttttt tcttttgc 326580  
aggaaagagt aagttaactg ttaactacac aaaggagtta acatttaact tgaacaccag 326640  
gaatgcttga gctcttaate cctccccct tttcttatt atagcaaaaa tagcttcagg 326700  
aaaactctta ctaattattg ctgattctag atgagatctg gctacatcgg tttcttgc 326760  
acactcacag gactttgatt tcagcctgaa ttaccacta tggttcttc agacatactc 326820  
cactccaggc agcctgaaat ccctggtcac cacatccca cgtcccata ctctccat 326880

ttccatctc aaagatcagc tcaaatgcta cctctctctt gaaagaaacc ttccatattc 326940  
cttctccaa tgcagggtt acagtctctt attctctc taaactcca catagtatt 327000  
catttgcctt ttgtgctgtg gatcaattct acctcatgta tctatctc acctttccc 327060  
ctaaactggc aggccatga ggacaggac tctaccta ccacctggac cctacccat 327120  
caccacagaa tattaggcct cagcttcta atgcctatga acaggtaatg cccacacat 327180  
acctgtagca agtttttagt aagaacttct ttgcacaggt aggtggagag agggctaca 327240  
ggagggtggg attgtataat ttaaaataag gggaaaaata aaaataaat aaacagagaa 327300

attgctgaga agcctggagt ggggtaacg tgccagagc tgccactttg ttgtcctggc 327360  
cattctaac ccatttct ctctctcca caggctgact ccacacctca ctgcacaca 327420  
agctcgtccc tatcaacaga acctttcca aactgtttga cttctcacct ttccatgaa 327480

gccctccgtg gaaacaagat tataacaaac ctctgtctcc tctccaaata ctccaaagga 327540  
 ggtgcagagt ttacctagct atcaacatgg tgatcatgct tctcaccaa gaactgtac 327600  
 tattacagct gctactacta ctgctactaa gaataataat gatagtatt catctataca 327660  
 ttaaaaatga agtgaaagt aaagtaagct taatggaagg cttacttggg gccagaggag 327720

gatgcctagc tctattccca gattaactca tttagctccc acaacaacct tgattattac 327780  
 catcccatTT caccggggag gaaaactaag gcttgaagac catattaacc tgctaagagt 327840  
 gagtattcaa accccagcta gccaactca aaaaacacac acagatggct atgagttcat 327900  
 tcatattccc ttaacctca cctcccacat aactggacaa atactcctag atggagagaa 327960  
 cacaggacaa ttgtcattct tctcccaaag ctggaactca cactcacgag gagcctccaa 328020  
 cctcttgggt tccatatata agcaatagtc aggcatgaca ccttaattta ttctgttag 328080  
 gtaccataaa tgggtgcagg catgcaagta caaatagatg aactagtct aacctttaa 328140

gcagtggtta agtgtctatt acataacccc tttactttc aggaattttt gatgcataac 328200  
 atgaaattca ttgttatct cactcattca ggagttaaaa actgcatggt aggagcaggt 328260  
 gaaacagaga tcaagagaat cacagcaca aataatgtct ggtaaaataa ggtaggataa 328320  
 aaaagctact gagacacaga gaaggagatg acgatgatga taatgatggt gatatttaga 328380  
 aacaagatat gaagtatctt atctgcactt gcatatatct tactacaaaa gggatttact 328440  
 aactttttat tcacgaagag tcttgaatgc gcacagtca tacggatata tgttaggaat 328500  
 ataagaacat aatgcacgtg cgggtgcacg catgcacaca taaacacaca cacacagatg 328560

agcacaaga taatttcaca gtgaatctgg tacaataaaa ggtaagaag agcttcccca 328620  
 gagaagcaac ctcccataca gacccaaagc ttttataggg cccctttcta ctagaacca 328680  
 acctacctta aaaaacaa aaataaagct gaaagggggg cttttctaaa attctgcctc 328740  
 agtagcccaa actttgatct tacacaactg gactgaccta aaagcagagt ccaaccagcc 328800  
 actgactgtc ctctgctttt actaaccaat aaaaatattc acataaggag gaggaacg 328860  
 taaatttgta ggtagatggg gccagccata tggaggcaag aggaatctat gccagggcaa 328920  
 agtcgcaggc caggaggcca agttcagtct gtggcaagct cagccaaatc accacattca 328980

gcctggtaag atcacatacc atctagcaca cagcctggca caaaccaat gctcagaaaa 329040  
 tatcgattcc tcttcccatc tgcaaatcac atcagaaaac ctttactctc tcatatctta 329100  
 aaagactatc tttaaaccag aatagatgat gaaacaattt caagggtttc cctcataaga 329160  
 aaaagatgta tctctgcccc caccatgctt tgaattcata gatttagatg ccaagaagga 329220  
 agattagaaa tcatgtgtcc aacctcctta tttataaat tgtaaaattc aagtcagag 329280  
 atgtaaaagt actttcacc ggtcacacag ctagttaatg gcagcatcag gacaaaaatc 329340

caagtacttg ggcaccaac taaaccact ttctaagtga tcctactact tttttggggc 329400

tgtcagttat aaatggtgct taatgatgca aatacctctg aggcagttaa aaatgtcttt 329460

tgccttcaaa atagagtgaag gatggcagat gatcgactcc tacacaatga gcattgggtt 329520

ggggacagga gcgtccatga agagatgaag agctgaagga aaaaaagggg taagcacaga 329580

ggaggagatc aggatgaaaa gcgacataga gatgcctact taacaactgt gcctagagat 329640

cgactctgtt tcagtcaca ggttgaatct gaaaacgcca ccagagactt ctctcttcca 329700

agtgtctttg agcctagaag atacaaaagc ctgcattctc ccagatcaga caaatgtat 329760

gactcttcag gagaaaaaag aaatcagatt gttacatttt taaaagagg ttcagtttga 329820

gtttgcctct atctcctcaa actatatgtt ttagcagaaa cacagctaaa ccacagttt 329880

tattagaact agtgcctgct tattcatcca ccaaatgtaa atctgccact gaaccaacat 329940

tcagactgct caggagagagc aagcaccttg cttagaaagg gggaaagtct aatttaagca 330000

tatggaactt gacagcataa tttttttaa gattctcttc tcaaagaaag tttacaagca 330060

gtaagtgggg ctctaaggt attatttctt ggcaaaataa ctgcagaaca attgtccagt 330120

tcacagtttt gcactgaggg gatttctttg gattgtggcc tttcttcac tttgttctaa 330180

ggaaaaaac tgccttcagg agtcctaaac aatgaaagcg ctcttcatta tgtctatgag 330240

tttggataga gtctgtggc acagagacca tgcttggtaa tgaagcataa taatcatctg 330300

ttcctagtta aacatactca taccttccac agcaggagag aacctttgga aggcgacaga 330360

atgaagggca tttgaggttg agacctcag tcctccttgg gctcaactct taccacaaagg 330420

actctcataa aaaagaatga gaagacataa aaacatcacg taaaattcaa tgttattcaa 330480

caaatattta tgggatctcc agtttgcaca ggtcttgtat gaaaaacca gaacctcaaa 330540

ccctccagct ctcatctc acctagacaa caaacaagta acacaatatt tttctacggc 330600

cattcaaacc tctattagtt gccacttcag cagctgatga aaactctgct tctccaaca 330660

cccttcaacc ataaaggatg tgtgagcctc aggaaggaac caaaggaaga actttctaga 330720

aatcagaagt gactgggaac ctttgtgagg cagggttctt gttcctggaa gaatacacga 330780

cggggttgcc aggatattgc agagaatgia ggaggagggg aatggaagag aaaaatccct 330840

aaggacattc ccaactctat aacatctcaa aggcctttaa cacaataaca aggtttacat 330900

tttaatgtag attatgagga ttttcacagc ctctcatcaa aggcatttgt tgggctact 330960

ttccattcta ggagcctaca caaattatgt gacatgaagc agagtattta acttctctag 331020

gcctcagatt tatcaccact aaaatgcagg tgagtaatta aataatctct caaatcctt 331080

ccaaccatt tctgagtaa acgtgggtgt cactctctcc tttcacaaa gttaaatttc 331140  
 agaaattctt tctacctata aaattcaaca gaatccacta aaaattgtta taaacgaaaa 331200  
 ttcaataagg tgacaagacg caatgtaaatt ttacaaaag caatagggtt cttatatacc 331260  
 atcaattata agttttaaaa tataatgaaa aaaagaatta aaaattctta agaatggcat 331320  
 gtaatatgaa gaaaactacc tgtttctgaa gacctaaata aacatagata tgtaaatgtt 331380  
 tctggaggag aaagcaacat ataataagta tgttcattct tcttaacttt cttatagggt 331440  
 gaatgcagtg ctcttagcc tctgcattac tggcattttg tgttccatag tttttgttg 331500

caagagcagg agtgcctgtg gcattgtagg atgctgagca gcctctctag cctcttacc 331560  
 actagatgcc agtagcacc ctcgtggtga caacaaaat taaactctgt ctagacattg 331620  
 ccaaagtcc ccaaggagca atatcatgca gagagaaaac cactgaatta atgcaaagtc 331680  
 ctaatgggcc tttccttatt cactaccttg acaatgaatt ctaacttgga agaataaaat 331740  
 agtactaata atcaaaaata tgaaaataaa aattgtgggc tgtgcatggt ggctcacacc 331800  
 tgtaatccca gcactttggg aggctgaggc gggcagatca tttgaggtca ggagtcaag 331860  
 accagcctgg tcaacatgtt gaaaccctgt ctccactaaa aatacaaaaa ttagccagg 331920

gtgcttgtgc actcctglta taccagctac ttaggaggct gaggaaggag aatcacttca 331980  
 gcccaggagg cagaggttgc agtgagctga gatcacacca ctacactcca gcctgggcaa 332040  
 cacagtgaga ctctgtctca aaatatatat atattgtgga acacagaagg aagactaatt 332100  
 aaactaata aagaaagaga acagaagtat aaaatcatga cctcaaatat atagtaaagt 332160  
 ttgcatatta ttgctttaca aatgagtgga tgaaaagaga tcaataaatg gtagtgggtc 332220  
 aacagtttat tatagtttgg aaagaaaaat caaagttaaa tgcttattca catgacttgt 332280  
 atacatgttc tgattatcta ctgtacata gcaaacact caacaactta gcaccttaa 332340

aacaacaatt tattattatc tcttgtggtt ctagggttg actgggcca tcaggatgct 332400  
 tctcatttgg ggtctctcat gcactgcagt cacatgtcac ctaggacagc agtcatctga 332460  
 aggtgggct ggatggacat ctaagtggca cactcccgtg ctgccagtg atgctggcta 332520  
 tcagctagga gctacgtga ggctgtcaat aagaacacca acacatggc tetgcacatg 332580  
 acttgagctt cccacagcat ggtggctggt ttccgagagg cagaaagagg gggctttcag 332640  
 gccatttaga aacatgcctc caacagatgt agcatcactt ctactgtatg taattggccc 332700  
 aaacagtctt ggaacccatg caaattcaag ggggtagaga aatagactcc atctcttgac 332760

ataagagtgg gagcgtcaca tcacaaaaga gaatatagaa tgggagctat ggttttagtc 332820  
 atcattggaa aagacaatca gccataatat gccacaagaa attccaggga aataaagaga 332880  
 taaatattaa aataaaatgt aaaacaacta aaagaaaatg tatttgaatt tttacttca 332940

ttttaggatg cagaaggcaa agataaacag atataactac aaaaatattt tagctcaaaa 333000  
 agcaccacaa acaaaatgaa aaagcaaaca aaagaccagg aaacatatta acattctata 333060  
 tcacaaagag ttaaagactt acataaacag tccttgcgaa tcaatgataa acattcatgt 333120  
 agggggaaaa acaaagggcc taaccaattc acaaaataat ctagtagata agacataaaa 333180  
  
 tgaacacaat attctgccag tagattgagt tgagagtgtg atatgttata taaacctttg 333240  
 gggaagcaac ttggtaacac agtcagaggt atttaaaatg ttcattctgac caaataatct 333300  
 accctatgga catattttag catttagacc atcattttta aagatatttg gtacaacgta 333360  
 agttcagtaa aaaagaaagc aaacttgact aaacaaatta tagtacactt tccgtataca 333420  
 taaaaaatgt ctgctgcaat taaaaattat attttcaaag aatactgaac tacatgggga 333480  
 gtttgaaca caatgtggaa aaagagacca tgaaacttta tttagaataa ggcacaagac 333540  
 acatgcatgt atttgcttac taaaatatta acaaatgata tctgcatcta caaagtactt 333600  
  
 glagataagt ttcttttatt cttttttcgg tatttaaaa atgttctgca ataaacatac 333660  
 ataatttttc tacttgaaa aaataatgct ctgaagaaaa aaatactagt gttaatgtgt 333720  
 aaaacactaa aaaggtcacg ttactggatc actgccaaaa gattttttaa aagcaagtta 333780  
 aaaagcaaga gaataagcat gattgtgcag caaatgacat cagcagtgga ttacacctgg 333840  
 aacctgac ccattacatg gcgcattttg tccataatca agtaactttc ccaagctcgt 333900  
 gacctggcgg tggcgtagat tcttaggcag ttgtgcggtg tgactgcttt ctaaactttt 333960  
 ctcttacctt tttaaatatt tagcgtattt gttttctttg ctgaactcaa aacgtttgtg 334020  
  
 ctttcatagg ctttttaaat gatgaatat ttagcaataa tttgcactca cacataggac 334080  
 attagtcacc gggtatcttt taacaaaaag cctcctgaa tttcagagag tccgagccag 334140  
 gtacagtgtc tacttctcct tcaaatggag aaccataag tcgagcaact cccaggcccc 334200  
 acagtctcc acttaagtgt gcatcagaat ttcacggacg gctgtacaag catagattgc 334260  
 taggcccac ccagagtttc tgattcaatg ggtgtacggt gggacctgag attttgcat 334320  
 tctaacaagt tctgggtga tgctgatact gatgctgcag gtcctcagc ccctctgctg 334380  
 tgggaaccac tgetcaagat cataggaaca cctaagcacc tteccactac atgctactgc 334440  
  
 tattcattta tcccctatta ttcacattaa caatatatta tttggtatct gttacaaaat 334500  
 ttaatcatcc ataaccacaa taaatccctg aactctcat accagtttca ggtggagaag 334560  
 tacattcaaa cccaagtcc agcaatggat taaaaaaaa aatcacctct tgtgtggcca 334620  
 ttctcttga ttgacaactc ttataccctt gagcagccct gaagccttcc ttcactcttc 334680  
 cattctctca catgacaaaa caaactctcc tcacattcac atagaaataa ggttattccc 334740  
 tccctcttc ctccattatc ttaattcttt aatgcagtct ctgcccttc ctacacgaat 334800

ttctctactt cctttcctct ccttccctta ccgattagct gattaaacct caggagagaa 334860

gcactaaatc acacaagttt ttgtccctgt acatttcata cattcatcct ccttatccac 334920

ccaatacaca cttagcaggt gccagctgta taacaattcc tgtgttaagt attacagaca 334980

gaatgtggaa acaaaggtgg gatcatctag aggttaagtag ggacacagaga tgcttcaagg 335040

acaaagtgtg tttggctgta atgggtgaatt caggtctaaa ttttatattt cccaaaaccc 335100

ttcaaccacac tggaagataa aatatcttct tcagagtctt attcctttgg tttcacccca 335160

ttaaaattta catatccttg tgaagggtag ccctttaagg gtcattatgc ttaagcgtca 335220

gtaagtcca tgcccttacc tgatgaggag gaccctggat atgctgaaga acagaaacaa 335280

cccttaagga acaaaaggtt atatgataag agtgtctctg aaaaaaaaaat gccctctccc 335340

agcttagctt gcagtggctt tcaaagtgtg gtacctggac caacagcatc agcatcatcc 335400

tggagcttgt cagaaatgca aagtttctgt cctcactcca tatctaccga atcagaaacc 335460

tgggggtagg gtcaacccat tggcattttc aacacttaca tttgaaaagc acggctctaa 335520

catctgtcac agtccctgta acgcttccat taacatatat gattactaca ggtcctaata 335580

atttgcataa ctcttctatt agtgtatgaa tattattttc agaaaggtgc gtgcggtaat 335640

tataagctat ttgttatgag ctaggctctg cagcaatggg gtagaggtag gtgcctgtgg 335700

ctaagaataa ggagacacca ggtgaaagga agatggccat tgataaaggt caacattaac 335760

agttttgtta ggggttagtca tctgcctccc aaattgggtg gacttacagt gaacacacaa 335820

gcaggactga ttttgctcgc ttctgaaaat tctccgagct ctcaacaggg cagcattttg 335880

catgtagtgt aaaaaggccc acatgaatcc ctgttgacac atgaaatgtt catctcatgt 335940

tatttagcat ccttggcttc tctttggggg ggggagcaga gaggaaggag gaagatgcat 336000

atttttagta ccagggaacg atctatcatt caatgaaaga gcatacatag aggcttaaat 336060

caagtatgtg gaaataatat gttattatta ctaggcctaa ctctgctaaa ttataaccta 336120

taaacctca gtgcttgact taaatattca atccacattt gcaggaaatc taaatgggta 336180

tttctcctt tagtgcatgc attacaggag gatttacgag tgcttcaca aagcacatat 336240

gaggagcatg ttatccaaga tgtcagtgtg accaggcaca attgataagc acacagtcca 336300

catcacgtat gcattctggg agcctttatg tgcagttaat tagtttagct attgctttca 336360

tggttcattt agaaacttca tgcttcatta aatatcaata aattttatcc tcaaaaaacc 336420

ttttcagtaa aaatatgatt gtctcttcaa ctgataatct tgttaacgga tgtatatatt 336480

gcaagcatgc ctgtcaggac cgacaaaact ctgaattgcc atggttcag caccctgaag 336540

taacatgcaa attttattct gtagtttaac acacatgcct catccacaca ttttttcta 336600  
cagtagaggg gaaaaaatct ttttttcct ttccaaaacg atgcctcttt taagctgcta 336660  
tttttattct gtcgagaatt cttctttatg ttccataagc tcctttctcc attacatcaa 336720  
ttctgagttt ctctttattg gaaagacgag ctttttagcaa ctttctgtag catgaaagag 336780  
acgttttcag taaacacatg ttggccatat ccctgatata tgtgtccaaa gagggcagag 336840  
gtcacagtta ctgggctgtt actgtccctt ctgtcacgga attatctggg ctgttcactg 336900  
aataccacga tgaagtgggt caggcaggaa gggtcgagat taagaaagaa gagcttcatt 336960

tacctaagca gaagtagtgc cttcagctat actgtctcct gtcttccaga tccagctcac 337020  
atgtctttta agatgtcccc gatatgctga gatacagaag ttgtcagact ttctctcatt 337080  
ttcttatagc actttgttaa ggttttcact actaaatgta ttataatata tgatagcatt 337140  
cattcatttg tccatccatt aattcaataa aaacatatta accaaggata caatggtaaa 337200  
taagacaagt aacattcccc cattttcata aagtgcacat tgtagtggtg agagaatata 337260  
caataatatg agtgaatgaa taagtgaaca cgataatttc aaataagcgt aagtgccatc 337320  
aaagacataa aatagatgag atgggaggct actctgaact gagtggcaga aaaggcctat 337380

ggaagaggta gtcataagc tgggatgcaa atagtgagaa gaaaccagcc atgtaacaat 337440  
acggggggcg agtcccgggc agaaaaaat ggctagtaca aagacctgaa ggctgaacca 337500  
gcttggtatg ctagagaaag gagaagaaga aaaaaaaaaa aaaaagccag gctagctgca 337560  
atgtactcgg caaggagaa tgtgtgacca gataaatttg cagatggctc accagtctca 337620  
actttagact ataagctcct tgagaacagg gcctgtatat tacttgaatt tgcactacta 337680  
gtcccatcc catatatgat tctcatgggt aacaaatgcg ggttgaatga atcagatgaa 337740  
ccatctccag ggtcatatgt gaaacactgg agagttttct cgcattttgt acaatctctg 337800

cttgtcttg gccctttctt tcaatacggg tgatcatgtt ctacccttct tatgcaaagt 337860  
taatagacca taggctctca atgctggaga aggtacttat agttattttt ccataagaga 337920  
taataaatct gtggccaggc gcagtggctc atgtctgtaa tcccagcact ttaggagccc 337980  
gaggcagggt gatcacttga ggtgaggagt ttgagaccag cctggccaac acggtgaaac 338040  
cccgtctcta ctaaaaatac aaaaattaac tgggcatggt ggcacatgcc tgtaattcca 338100  
gctactgggg aggtcaggc agggaaattg ctgtaatccg ggaggcagag gttgcagtga 338160  
gccgagatcg caccagtcca ctccagcctg ggtgaagaag tgagactcca ttcaaaaga 338220

aaaaaaaaag aaagaaaaga aaagaaaaga gataataaat ctgtgcttgg gggttggccc 338280  
acatagtctc acagatctct cttgtgacca acaatgaaat acattcagga gagaagagcc 338340  
aggagttaag acggcaagcc aatagggttt ccaaagtaac tcagaagagc tcagactcat 338400

gtcctcagac ttgtttatit atacagtatt tcaactcagc cagtaagaga caaccaagaa 338460  
tgaatgttag tattaatatc atcattgtga tcatcatcac cattattatc tctttgaaca 338520  
caaaataatg caaacgaact tttccagtga actttattat cataaaggat gaggagacag 338580  
aggaaaagga gatagcctgc tagaaatact ttccactcca caaaatattt tcagtccttc 338640

cgaaattggt ctattttgcc tccgctatit cttectcatt acaggcatag taggtgagag 338700  
acaattttta aataatggat gaacgaatac ctggtttcat ttcttcagaa taacctccag 338760  
tgggtgctaag gaactgacca cgctggcact gacaggcttc aagaccacca taaatccgca 338820  
atgccaagtg tgactgcact ggatatgtgt gggaaatagg aactcgccgg gtttatgcaa 338880  
accagtaaaa attccaaaag gatctgatgc caggaaaatg ccttattttg tcagaaagta 338940  
catctccgc acagcggcag gcctggcata gcttgacca catattaaaa acaaagcaaa 339000  
gtgacatgcg atacaggcct tactgcctga tgacagaatt cacgagctgt cttactctg 339060

agcttttctg gaaccaaag agtccacgtt aaccaagct tgtttgacag tttgtctta 339120  
tcatgtgatt ttcttcaaag tccttgtatt ttaggtaaga cttacttttc ttattacaat 339180  
ttcaatattt atcccagatt acaataata atgtaattct aacgaactct gtactttcca 339240  
acctattcta tagccaagtt agggtttcag atatatctt ttttaacttc tggaggcatg 339300  
tagatgactt caaagaata tttaaatcag ctggtaaacc aggtagtcac ctgtctcaat 339360  
actcattgtg tigtcaaac ctccatatcc gtattggtaa tctactgcagt ctagaggata 339420  
ctgcttttat gaaagtcaaa ttttaaaaag taatgttggc tgggagtggg gggttcagcc 339480

tataatccca gcaactaaga aggctaaggt ggaaggattg cttcaaacca ggagttcgaa 339540  
atcagcctgg gaaatgtagt gagaccccat ctcttaaaaa aaaaaaaaaa agaaagaaag 339600  
aaagaaaaga aaagaaaaaa tttgtttaat tattcaggca tgttggtagt cccggtact 339660  
caggagacag aggcaggaag attgtttaag cccaggagac caaggctgca gtgagccatg 339720  
atcgtgctac tgactccag cctgggagac aaagcgagac cctgtctcaa aataaataaa 339780  
caaataagaa tcttaaaaat ttaataaaaa aataatatta gcctcaaatt ttaatcaatt 339840  
agaaaatttc tgttttagca tttccacaac acctgctctg atcatggaca ataagaataa 339900

aaagaatgtt tatacacatg gggaagagga gccccatgac aaataaaggg tttcaaaaac 339960  
accccttcgt ggaatgattg gactttcttt tcccctttag tcagtgtcta cttgtctctc 340020  
tccaactcgt ccagccccag ttattatggt aagaagcaga tacttcactt gctgtattag 340080  
ttttctaggg ctgccgtaac aaaagtacaa caaactgaat ggcttgaaac aacaggattt 340140  
tcttctctcc aagtcttgga tgctagaagt cttttttttt tttttttttt tgagacagag 340200  
tttcgctctg tcgccaagc tggagtacag tggcgcaatt ctcggctcac tgtagcctct 340260

gcctcccagg ttccaagcaa tcctcccccac tcagcctctc aagtagctgg gattacaggt 340320

gcattgtcaca cccagctaata ttttgttttt tttttttttc agtagagatg ggggtttcac 340380

catgttggtc aggtctggctt caaactactg acctcaagt atccacctgc ctgggcctcc 340440

caaagtgggtg ggattacagg cgtgagccac tgcacccagg ctgaggctag aattctgaaa 340500

tcaaggtgtt ggcagggcca ggctctctct gtagcctcta ggagaggatc cttccttgcc 340560

ccttcccage ttctgggtgt tgccagcaac actgaccatc cctcagttta tagatatgtg 340620

atctcccatc acctcctctg tcgtcatgtg gtgctctccc tgtatgtctt ctgtgttcac 340680

cctgcattct tgtctctgtg tccaaatttc cttctttttt taagaacatc aattactgga 340740

ttagatccca ctctaatecg gtatgacctc atttttttaa cttagattaca tctacaaaag 340800

ctctatctcc agaaaaacaa aagtcacatt ctgaggttcc aggtgggcat taatttgggg 340860

ggatatcttt caagcaagtg tgattctcag ccagtatcct ttcaattgtc acttgggtcca 340920

aggaatctga agaacatttg cagacaaaat aattacccaa gcaagaacaa tggaaggaag 340980

gtgatataat tcaatgaata agtctatcag gaaaacctgt tagaagcttg accgtttcag 341040

aatggaagat tctcatctat aagatcaatc actggccggg tgcggtggct cacgcctgta 341100

atcccagcac ttggggaggg cgaggtgggc agatcacgag gtcagatcga gaccatcctg 341160

gctaacacgg tgaatccca tctctattaa aaaatacaaa aaataagctg ggcatagtgg 341220

cacacacctg taatcccage tagtcaggag gctgaggcag aagaatggcc tgaactctgg 341280

aggcggagct tgcagtgcag caagatttca cactgcact ccagcccggg cgacagagtc 341340

tcgtctgtc aaaaaaaaaa aaaaaaaaaa aaaaaaatca atcgccaaca gatccatcca 341400

tgcaaaaata cctacacagc cactcttca agaaaatgtt ctttttaact gaactaatct 341460

cttctctgga cccagctccc taagtagggt actttctacc ctctcatcat ccacatgagg 341520

atggagaggg gaagtagcaa caatgcctgg gcatcatgct agggactcta cacatgttat 341580

acatcacctc cactagaaaa taaagaaact caagttcaaa gagataaagc aatcagctct 341640

aaagtcatac aggagagtta gggtttgaac acagatctgc ctgggtccat agctgctgcc 341700

tcatttttta tgctcagca tgtgcacgca tgtgactgg cacacacaca cacacacaca 341760

cacacgcga cgcgcgcaca cataccattt ctcaaactg cccatttaat ttacctatgt 341820

ctgaaattca tcattttcac aatccatgga atattaagag ctggaggata cctcatttaa 341880

cataacaatt tcatttttaca gatgaacaag aatgataag caagtgttt gtccaagatc 341940

atgggaataa tttgtgacca aactgagacg aagtcctcac actttctggc ttctagtcca 342000

gcctggccac atgtagcctc tcaagtggta tttctacca ggcagtaaga ccacatttca 342060  
caggcaggac agcatggcag tttggagtgt gaacactgaa attagactgc aaagattcac 342120  
attctaggcc cattgcttat atatcgggc cagtcatgta gtagctacac ttcagtattc 342180  
tgaaatatta aatggaggta ataaaagcat cagccacata gtatttagta tctcacagga 342240  
ttcttgagaa aattaggtat gctcagaatt gtgcttagtg tacagtaagt gctcagtatg 342300  
ttagttggtg gtggtggttt tgttgtgctt attacactat tattactgtt aataataata 342360  
acaacatata atgaaaaggc tacaatgag taaggccagt gcttttcac accatgcatt 342420

tctagcagcc acactggcta taagccctca ttcattggata ccatggtaca gtgatttctt 342480  
ggctcttcat aagaattaac tttaacctta tttcataatc tactttattc tcatccaatt 342540  
gtcacgtctt cctctaaaca caaaatatgc aaaggtctat atgctggttt taatttcccg 342600  
gatgttatga gtccacattt aactgcctcc ttcaaatgac agtgggtcat ttagtgtcct 342660  
taaaagccaa caatgttatt acatcctgac tctgacaaat ccttgctctt ttctctctca 342720  
gcttatctct gtctcaggaa ggcaaacctt gggaaaatta tacaacagc cccaaatatt 342780  
tgaaatcagc attgtctcc catgcttatg cctctctgaa agcttagagg actttgcttt 342840

cagtttgatt ctttcattag cccaaggctt gctaattaat tggaattttc cagagctttt 342900  
gttgttgtga taaaggaggaa caatgcaaaa gctcatttct tcatgttaaa gaggggtccat 342960  
ccacctcca gagagtacga cggagacgac agggataaga ggtaggatta actcgactgt 343020  
gaaagggtca gactttctga gttctgtctc cctcacttc tccccacagc tgccttcac 343080  
ttcacaaaa ctgatttatg ggaagtgaca tcttaacat ggcttttacc cctccaaagg 343140  
aaaggctgct tagagggcgt tatgtatgat ctaaaattag atggcaaaga acatcccatg 343200  
agcatgcaac aaacaatatt ggaaagcaaa agatattgta taaagtgaga ggcttactga 343260

agaatgaaaa tgaatagatc agggaggaag gcagtaaaac tcagatgaac actccaagc 343320  
aaagcaaaga ccagacttaa aagaacaaa aagatgctta atcttgacaa aaatagcact 343380  
gtttaacca aagatagcag agcagctgga gtctagggga agtgaaggga agtgaagaga 343440  
gattgattct gaattttgtt cttggtttcc tttttaagggt atcatgcttt gctttggtac 343500  
actgggttac tgggacttgt ggaaacccat gtaggctgtg tttcatccac actgtgagag 343560  
gctctaacat actttgaggg tccacagatg caggagaaca gaggctggag gggccctgaa 343620  
acatggcaaa tagaccattc ccaacatcat tctggccga gcacgatggc tcacacctgt 343680

aatcccgca ctttgggagg ctgagatggg cagatcacct aaggtcagga gtctcagacc 343740  
agcctggcca acatggtgaa acccatctc tctaaaaat acaaaaatta gccgggcgtg 343800  
gtggcacatg cctgtaatcc cagttactcg ggaggctgag gcaggagaac cgcttgagcc 343860

caggaggcgg aggttgcagt gagccgagac catgccattg cactccagcc taggcaacag 343920  
gagcgaaact ccgtctcaaa gacaaaacaa aacaaaaaac ctacattctt ttccatgggg 343980  
ggaaaaagat tttctaagtt atttgtttac agataaatgc ttatgaaaaa tagttttctac 344040  
tatccagacc catacagtct gacataaagc tacactccga gtttactgc agcagaatca 344100

ggaaggcttc cagaattcct gctccgggct gatgcctgat gggcgctact ccagtcacct 344160  
aagatgccac gtggttttga acaagttgag tatgatgtgc ctatgcagat atccagatag 344220  
aactacaaat atacagttgg aaaggagagc ctagaaatgg ggctagaaca agttttctggg 344280  
gataacaata agatagtctt caattgggtg agattgctca ggcatcatgc atacagggga 344340  
tgaagaacag ggacaaggat agaactctgg gaatctccaa tgtttgggga ggcaggaaaa 344400  
aaggaatctg caacaaggg agagaaagta ctactgtgct tgcagacagg ggagtaggag 344460  
ggagctgggt ggaaggggaa cagagcacia tatttaacag gacaggttct gaggcgagag 344520

accaggtgcc ttcaaagcct gggctactgc ttattagact tggaacctca ggcaaagcat 344580  
ggaacttctc tgcacctcaa ttactccctc tggcaaatgc agaaaacaat ggcacatcac 344640  
ataattgttc tgagggaagt tacttgacac agtgtcgggc tcatattaag catccaaaaa 344700  
ctgttagcta taatcaatac gtttattaag aggcaaatag gaattgaaga gatctatagg 344760  
gttgatggtg actaggagca actcagatcc tttcccagga tacactttga tacagtgaag 344820  
ggtggaaagg aaagctgcag cccaggagac actggccaag aaccagtaag gacaagaaaa 344880  
accacagaac aaggcagatg ggggcctcga gctaattctt actataaaaa gaggcacatg 344940

atatttgatc acttaagacg tgatgggaag aataaatcaa aaaaataacc attcttacag 345000  
caaagggcag agtgaagag aactgcacta atgataaag ttcaagtgtt ggcctgagta 345060  
ctaaccaact ggccaacctt gaaaggccc cttctcctc caggagtta gttttatgta 345120  
ttccaagtg gccactaacg tcccttcag ttggcactat ttatgatttt cgggtgttcta 345180  
taatttcact taaggattcc gtggctacac ataaaagcag ttactctgat gaaggcataa 345240  
gtgaacagag ggtcttcagt ctcatgtgtt ctacagatga aacagaggac tcaagaatca 345300  
cctaagggtta attaagaggg cagatggtaa gatgtagaga cagccaagtc ttcctcctct 345360

ttcctcttc atttctgca aaaccagaga tgagaggaag gaaggggata aaagcaacta 345420  
aaccaaggtt aaaaacaaaa agtcacgtgt gttcctgttt gcgaacaact ccaaaaatct 345480  
ctttgagtgt gagggtcagg agaagtgga tataagaaag acagacgaac aaaacattga 345540  
cgcaagtgga gaatcagaag taaaatcagt tcatttggat ccgaagggat aaagatcatg 345600  
cctaattaat cccaaacctt cattgtacca ttgacagaaa tgacatcaa agaggataag 345660  
ggagttgccc aagagcaaag ctgcaacagg agctcctgtt tgctgactca gtccagtaca 345720

gattccatag aagtatgtat ttcgttggc aaattccaaa ttatggcaat tcctgctaag 345780

agatcctgtg tgggaggtaa ctgagtgaat ttgctaaatt cttgggaatt tttttttatt 345840

tcccatgtt catgaaaggc tcagaggaca aacaggaaag aaaaataaat atattaagcc 345900

actactatgt gccagatgtt ctgctaagtg atttcacata tatcctcaca taagcctgcc 345960

actctgtgag tctagcaggc tctgagccac ttgaagagag gacagtgtct tacccatcag 346020

tacattctcc atgcctgaca gagtgtgtgt acacaacagg tgcccaatat atgcttgctg 346080

aatgaatgta agattttcct ggtacataaa gtgaggatta gaaagattaa aaaacttatt 346140

caaggtgtac acgttggtag cacaagtggc agtatcgaga ctggaatttg ggattgcctg 346200

ataccacagc tcactcacgt tcctttcact gaactttcac tgcctttcat atactttct 346260

gcaaattcaa cagtaatact tattttctaa cagagggact gactggttta cacggcacct 346320

atggcttccg ggtcctcttt gtgagtgttt cctattccga agtgtttgtt tcaagtgcc 346380

actttcggtc tgattactcc tctacactgg ccaagcctga tcagaatctc caaaggctct 346440

gaccaggaca cattctaagg gccagctgca aggaggcaag gaaccacagg aggagcacc 346500

tggcctaggg ctttagttgg agtctgttcc taccaagtgg agataaaata cctggcccg 346560

ttaaatgcaa tcatttcctt acctccttga cagcaaaggc tttcaactga aaactcagca 346620

agcaaatacag accagttgtt gcctttctta tcttctctct cttctctctc tcttacacac 346680

acacacacag acgcacacac acacacatac atacacttgc caaagcttca gactagctct 346740

ctgttgtaaa tcaactgtct aagtatattt taaaataaag ggttttttct ctaattatac 346800

atataagaca agtcatgtct ttaagatatt ttgacttga gactgttaac gggactctat 346860

ttgttccatc caagaaagcc caaagaaatg gataatgatc caaacagac tacatctgaa 346920

tggttctgtg tatcataatg aaagaaatgt tcccacaaca aagtcactaa atgaacttca 346980

ctatgcttga atagaagaat gaaattgaat tgtgataaaa gcaagtgggt taaagctctt 347040

tagttcatgt ctactaaatt atcctgaata ttatgtgcta aacaaaggct gatactcata 347100

ttattaagta ataaaaacat tttagagaaat aagccaacat ttttacttta aaaaagattt 347160

atgtatcatt ttctggtttt atgagtgttg taactgtcct ccaaaccttt caacaatgcc 347220

aaatactttt ccagttgaac attctgctat ggaattttct ctttaacgct gaaggccaca 347280

ttgggatgcc tatggtaaat taaacaacag actccacaaa aatagacaga agccttggtc 347340

cctcgttagg cctaattgtc gaaacatcaa tctgtttaat ctagattctg taactgttag 347400

ataacgagaa aatttcatta tgcaaatcgt ggcagcaatg tagaaaaaat atgagttatt 347460

taacttataa ctgatgagct ttttaacta agtctcaggt agtatttga tattttttcc 347520  
 tatgggtcac agatcatcac caccagcttt aatgaggaag atgggagagg tgattgtcct 347580  
 gtctctacat tttaggagtc tccaaacctt gtttaattgtt ggtcaagctt tctgcagctg 347640  
 tccaactatc aactggtact cctctgactt tttatctcat aaatgagacc tctactgatt 347700  
 ggcagacaca aggaaagcat gaggaagtc atcaagattt ctactttgta ttcactgacc 347760  
 tttaaaaaca aaaaacatca ttactagcct cagattctgg aagtactaa ccagtttgaa 347820  
 caccctaaga agtatacgaa ggctttcaga taactccaca gtgtgtcag aggtgaggtc 347880

tacagatgtc attttaattt aatgaggcag aaagaacaca ggagaatgag ttggaagatc 347940  
 tgggtgccag tctcacagct accacttaat gtgccgtgtg gctttaaaca ctacgttgt 348000  
 gatccagtat tttcttttgc tacaagcac accgggaaaa ttggtgaact ctctaaggctc 348060  
 tgtatattag gtaacagtat ttatcactgt tagtttcttg attttcacag ttgtactgta 348120  
 gttaagagaa taacttgcct aagaaaatgt gcatgtttgt agaaactgta cattaacgta 348180  
 tttaggggta aaagggcac gagtctataa cctactcaaa tcgttcagga aaaaaacaca 348240  
 gggaggggat gatgaagcaa atgtggtaaa aagttaacat ttgggaaatc tgggtaaga 348300

glataggaga attcggtaac ttgttcttgc agtttttttt gttgtctgaa attatatcaa 348360  
 aattaaaact taaaataata taaaggatag gaatataatt agcaatcagt aaatatgac 348420  
 caaatgtcgc ttcaatttct cttagacaca agcgtctca catcaaatg aaaaagggat 348480  
 acgccagaga attattttaa acctggccgg cccaaaccgt ctctgattct gtgataagca 348540  
 gtaaatcacg gatatagaaa ctgcctttaa ccatatggag aaaacaataa caacactagt 348600  
 acacatgatt cctgccttca aaaaggctga agtgataaaa aagaaatcag tgtccaggat 348660  
 gagttaagc gatctgaaga aacttttctt gaaaatacga gtttcaatg ggctctcaaa 348720

gactgtgaag ataggaatta acaataaaat tagagaaaaa tttatagaag ggcaactctt 348780  
 ttggacacag acttggaat aggctgaagg aagtctcttg ccagaatggc caaccaagta 348840  
 tgtatggatg gctaggatga gtgaagctgg gctggtaaac agatctgcac tgttcagtc 348900  
 aattttccaa aaccacacat gagtcagcaa ctaagacatg gcacacggtg ttagaatgcc 348960  
 ctcccagctc tatgggaaat ctctaattcc acatgccatg tacagtgtat ggaagtgaga 349020  
 cagtcatcta ggagcacact tcaatcttgt tctccaagca cataccaac acaacatgcc 349080  
 aaagatcaag catgtgttca gtcaacaaac aactgttct gaccctaaaa cagtaagcct 349140

ccatcagaag gcttacacga aatgtacggt ggaactcctt tctccatttt ggaagactt 349200  
 cgaaaggcaa ggctatccat acaccatctg acttttcttg tatgttcagg gtgtgtgttt 349260  
 tattaaaaac tacctaaatc cacataggca ggaggaatat tcaaaacact tccattgtaa 349320

atactagtaa aaaatgttca tgaatcctc atgaattctc ataactgggg atcctaccta 349380  
gagacaggca ggaacacaa tgaagtagaa aatgttgtca ttctatttca attaacaatt 349440  
atttaattaa aaaatcatat acttagaact gtgtcatggt agcacatgca gatcacacaa 349500  
agggaaatcat acgagaacaa tcaagcttct atcaaaagat gagattttatt gccacccaca 349560

tatatggtga atgcactttg atgagtatca cctgtaagtc atatttagaa taccagacat 349620  
tcacttctga aatattatca gtttccatca ttaaagggtt attacaattc aattttgcag 349680  
ggatgggcat ggcaatatac atatacatat aagtacactc ttaccataa cagtataaag 349740  
ataaaaggtt ctattttatt actaacagag aatctaggga atagcttaag ttaagccttc 349800  
aaaaatgaaa tgtgttgtac ccaagcctag taataagaaa gattccgtag atactgctta 349860  
gagagagatt agattgaaat ttaacctatc acattctgtt ctccaacttg aaaaaaatg 349920  
ttaaactctg tctttgggct tccattttta gtgtcgaaag aaagaaagga acacagatgg 349980

aataaacctc attcacttaa ttgaaaaac agatgcagac ttcaaaattt ggaataagga 350040  
aagattcttg ctggttgatt tcgttaaagg atttatcttt agctatctga ggggagaact 350100  
gcttacatca tttagtgtga cttttagtgg attgataagt catcacatga tataaaattt 350160  
tatgacaaaa gcaatcatac agaagcaatc taagatgact tgaactgttt ttcttttgat 350220  
atggattaag cttagaactt ggtctacagt ggttaggcat tgcagattta taatgagtgt 350280  
aatttggaac tacagtacca tacgcagaac aaatactcaa acgtcaaatt ggctgatgat 350340  
taaacgactg aagaggactg gctgctaagg aatacattha aaaagtcatt taaagggaaa 350400

ccaataagca aaggtcgaaa agtggcagga tatattttta ttttatttca cttagagtga 350460  
taataaccag aagggttttt tgtggtagt ttgttttttt aattccaaca attaacatat 350520  
ctgctaaata ttctcttttt tgtaaagtgc ctcttttata ccaagttctt atatttaagg 350580  
ctatatgaga aatgaagttt agctctgcct ccaaatgcta agatctgaga aaaaaatgaa 350640  
tcacattcag gcttggaata aatccacatg aatatgtatt tcttatttac ttggaaagtc 350700  
ttgtatttgc atctgtcttt ctactatca gtgagctttc tttccaggg tagtggtca 350760  
gtccagtc tcaatatgtg caactcctta cctacaacte cattcctaaa gggaagcagg 350820

gcaccaacac aggtatagga tggccactc caccgaagtc actaggtctc catactgagt 350880  
aagacacatg caagcagttt ctcttgttt tgtacgtac attaatggg aatctggagt 350940  
tgattctcaa catctgagat tattccaaat ccaaactgac agtatttta aagtccatt 351000  
ttatataggg tatttggcac ttccagaaat actaactata gacagttatc tggacctggg 351060  
ttttggtagc aagcatgata taaatatttt tggaatgaat gataaatgaa taaatgagt 351120  
aattaatatt aatgaggat gtgtcatctg aatgaatca tagtacaaaa gggtttgccc 351180

tgtcctctcc acaggttagg gtgaggaaag tctataagaa ggcaaaaatc attaaatcat 351240  
  
 taggaaataa actcaagcta tgcaatacca atcactgtta gaaagactgc aagctccttg 351300  
 caagcaaggg ttgtcttaat caggggccaat actcacaat gctctccaag gccaggcaga 351360  
 tggaaatact gcaggctcca tttaaagatc aggctatcat gtagggaagc aggccagatg 351420  
 gttggttgct ctttcgattt tccgagaaaa gccaaattct gaattttttt gtaaaatcct 351480  
 ctcttttcta aatgttggct ctgtatttat ttattttttt aactatgtt ggacttaaga 351540  
 aagcacagct gtgggccaca ttccaccctt ggagttggaa cctcgcctct aaatctttct 351600  
 acgtatcaat aactcattgc ttattttttac ctatcttta aatctggcaa aggggtgagag 351660  
  
 gtggtggtgt cataactaata tcaccaaaga aattagccaa aacaggaata caagtgggaa 351720  
 aaacaagcag accttttaag tggctacatt tcagtaaaag ctctatttat attaaggctt 351780  
 taatgccttc gagctcagca attatgctca agcttcaggt ggcaaatatg ttttctcctt 351840  
 tttctttcac cttattctc atcctcta at ttgtccctaa ctcttctat ttattaaccg 351900  
 tgccacgtgt gtcttcttat catcttgtaa atagcttcaa attcttggaa caatgtgggg 351960  
 cataagtaaa tttaacaaa gtatttcaga tgttcacatt ctaattaaag gcaagtgtat 352020  
 tactatatat ataatatgta tatgtgtgtg tatagatata cacacacaca cacacacaca 352080  
  
 cacacacaca cacacacata tatatgtttg tttttgaaac aaggtcttga tctgtcacct 352140  
 agagtgcagt ggcacaaaca cagctcactg cagcctcaac ctctgggat caaaagatcc 352200  
 tcccaccaca gcctccggag tagctggaac tacaggcatg tgccaccatg cccagtaaga 352260  
 tttttctgaa gcaatatata tgttatgaa aagtcttcta tctaaaattt aacactggaa 352320  
 aatactggaa aatcttttct tcaaatgatt tatgttcttg ggccttttagc taaagaagac 352380  
 atgaatccta gtccgagtag ccagttaaaa cacacacaca cacacacag cagcgacgca 352440  
 cacacgcatt tctatataga aaaataaccg aaacactccc atttgtttta aaaaaactta 352500  
  
 atttcacat ttctatctca gtttttactc tcatgtttca atatatttag acctcttag 352560  
 gaaagtctag ttaagtaggt cagactgtaa aaacctttg cagcagagac ctactctag 352620  
 gagaaaaagc aattaaaata atagtttgcc cccaaagaat aaaggtaact ataagaatgc 352680  
 aaaagataaa gcaataacat gaatttcttc atattacaat aagctgcatt taagtccttg 352740  
 ttatcagcaa agtaaacagg ttctatgtat tatacctact taaaacataa cctgtgaact 352800  
 tcagctaaaa aatattgctt ggacatgcca aggaaaatat acaaacagat actttccaat 352860  
 tcaccgattt tttaaaaaag ttccaggaat ccagtacga atgtgtgata caaaaaata 352920

tataaattct ttcaacttag aataattaag tcataaaata catagggtac aaataccaca 352980  
 ttccgttcta aaatgatatc ttaggatcat caaaagaaaa agaggatttg gattatgcaa 353040  
 aaaatgattc ctatatatat aatcaattat ctaactgaca tttttacaaa tctaccacaa 353100  
 ctctgccttt tattgcatat gctaaacaag cagatgctaa gtctgtaaac tgtgaattaa 353160  
 cctccttttt aattaattgt tcctttggaa atactggctt ttaaatcccg tgctgcagtt 353220  
 gcttcatctt ggagatgtgt gccaatctca tattcaggtt cgcgggctat attccaggag 353280  
 gcagtacacg ttgattccac ttttaattat ttaatgattc atctgcattt tatttataca 353340

ttggcatctg acctggttta attttagttt attccaacaa cagcctgca agaattctaga 353400  
 tctgaccgtc ttcacagcaa atatgactga cgacgctgga agtagtgaca cagctcagaa 353460  
 ataggctcaag ggtgcaaagg gaagggatca gagtgtactt aattgacagg ggcaggccct 353520  
 cctcaagcac atggttttct gagctcagca ctcttctctt cttttaaaga gcaggcattt 353580  
 taagcaggga gtttctcaa tagttatttc caggactttc tgaatggtct ctctacatcc 353640  
 aaaattctcc ctgctaact ggacctgaga attctccat tagaacctca tactctcagc 353700  
 cccaagcctc tttattaaaa gcaaatgcac tgaaggtaat atcaaaatct gttgataatg 353760

ttattttgtc agaatgaagg atttgacagc agttttctga aaggacaaag aaggagact 353820  
 gagagcttta gggagttggg cactgggtga atggaggcag agaaagaggt ctgaaaagaa 353880  
 atgtctctt ctccacagtt ctggaactta tcccatgcta ggcttctctc tagtcatgaa 353940  
 tacataataa aaagctggac ctccagctac tgaacacaaa taactttaac ttttatatat 354000  
 cctttgagac acacacataa acacacacga ggttcttaac cgtggtggct cacagaccct 354060  
 gaaaatcaga aactgccatt cgttactctc ctggcaatgc tggaatgatc tatccttctg 354120  
 ggactaaact tctgattcta cccaagtccc cactgtactg gataagaaat aaattttcaa 354180

agtccaagta ctttccccc tacataacca ccataacgct gggagaaggc ccagaggaag 354240  
 tgaagcaatg taacaaacag ggattgaata ctctttttac atcaattcat gcactgtatt 354300  
 aggcattata catgtctttt ttgtgttcgg taaccccata aaagaagtat catcatctc 354360  
 atttgacaga tgaaaaaact gaggetagag gtccacaat ttggtccaag tetcccagat 354420  
 aggagatgac atagccagaa ttgaaatcca ggccttctcc ttttctgag ctaatgaaaa 354480  
 tatctttatg ttgatgagtc ctgattgagc tccaacctg cacacagaga actgcaagtg 354540  
 tgccaaatga cacatgaaaa tctcttctgt tcacagaaca aaaccatgca gtgaaaggca 354600

ggctctagcc cctctctcat tcttggattc tatcagaaaa taaccagaa tcaagatctg 354660  
 gtggcacttt cgcgcgactt gtcaggaaga gaaaaaact catttctccc tctcttacia 354720  
 aagtaacaca catacaatgt aaaaaattgg gaaaataatt ttaaagtcaa agaagaata 354780

acaacgattt gtaatgtaac tgcccagaga taatcatagt gtttaggct atttctctct 354840  
 agtctgtcct ctccacat acatgtttgg aaacattcag cttatatttt ataggcaatt 354900  
 ttgcatgaag ttctgttcat ctagttgtac tttaaaatta ttttaacact tcttgaaaac 354960  
 tatttgtaga cttaatttta atattttacc attcagcatt aagtctactt aactatttct 355020

ttactattgc acttttaggg taggaggaat ttttttact attaaaaaa aacactgcaa 355080  
 agaacatctc tatgcacatt tctttcatca tatttctttt tctccttttt tatcttgaga 355140  
 cacagttttg ctctgtcac ccaggctaca gtgtaatggg gccatctcag ctactacaa 355200  
 cctccgctc cgggttcaa atgattctcc tgactcaacc tctgagtag ctgggataaa 355260  
 agacacctgc gaccacgccc agctcatttt tgtattttta gtagacatgg ggtttcacca 355320  
 cattggccag gctgggtctca aactcctgac ctgaggatgat cgcgccgcct tggcctccca 355380  
 aagtgttggg attacaggcg taagccacca tgcccgccct cttttaccgt atttcaaag 355440

gtttttcag gaccaatttg tagaaatgca gttattgggt tatgtgtcag agcaacatca 355500  
 gtacatttaa cccctgacaa tatgggtatc ccccgaaatt tacacatca ttaccaatgt 355560  
 atgggaatcc tagtctcaag gtgtgctact taccactga gtgttatctt gtcaatttga 355620  
 tgagcaaaaa caaaacaaaa caaaacaaaa caaaacaaaa tcaccattgc 355680  
 ttttaatttat actcccaggt tcagttttct ccaaaggatt atttccctt tatgagtggg 355740  
 ctcttcatga ctctgcccatt ttatctattg gttggcaaca tatgacctca aattatcttt 355800  
 ttgtaagggtg taccaatata gcaaacagg aggttcacag aatcaggaga ctagacctt 355860

gccattaact agttagaaca cttggggcta atcactttta gatcagcccc aaattttggg 355920  
 tgacatacat ggicaatgga aattttacac agagccaat gtcigaaaca gatacagggtg 355980  
 aaggtgctgg agctgaagca agataccctc ctttctctc attactcaa ctctcccat 356040  
 agcttctgag ataccacaga ggaaccctag agtttcaaat aataaaatcc tactgagctt 356100  
 gttgatttct aagatctatt ttagcttcta tgaaccaac ctttcccagg gtgtaaaaag 356160  
 aaaccttaga aactacgcta agattggatg agtttgaaa gccagcatcc aagagacata 356220  
 gtaagaaatc ttcatatgga aagtgttctt ggtgggtttg gaggtatttt ttttctttct 356280

gaaagtgcag ttggtgcaa caaagaaagc agtactgaat aagctatgcg acagaaagat 356340  
 agtattcaca atgtgaatg ttccagcag atgtatcaac cattattcag aattactaa 356400  
 ctcccatcac agcttgggtc ctggatgaga tgaatccaca tgaatatatt ctctcttgat 356460  
 tcttccagct gaaactgagt gtcaaagcac attgattatc actacctttg gggaaatata 356520  
 gtaatttatg gagtgaagct agcaattatt atatctttc tcaaaagccc cacatttcag 356580  
 aacatctttt cataggactg tttcttattc ttaaagatat gttcttatct ccaagtgaac 356640

tagaatgact ctggtcagtt gcataatgca ggctgggtag gtggactacg catttacaca 356700

aggagatctt agagtgtctg agtaagacag ccctgcccc aaaatttctg cccccacaat 356760

ttactctgcc accgtgccta agatacctac ttactcttct aggtcacttt tctaaaagat 356820

atcctgcaaa ggaggggtga agaggttga caggagatca tatgacctat gatcacttat 356880

gaacgcctt taggttgagt agagatgtga ctcttatggc aatgagatag gagaaggagg 356940

ggaagggagg gacgatacta gaaaaatctg cagctaggag catccaatgt ctagactgct 357000

gctgaatata aatagttaca gagctttgtt gagctttgct tgtttcatgg ttttgcctag 357060

ggcttgacct acatatactt tagctattcc aaacacgcaa gtgcaaatat aaccctgac 357120

atagcaacca cagtttatca taaacacagg aaaataaaaa cccaaatttt ctacagaaat 357180

tcagaatgac tacactgtct tagagcgtat agaatttttc ctgatgtata taggttgatc 357240

agaagctttt cactgaagac atttttcagt tacctacccc acaccatta ttcattaaaa 357300

atatttcaca aaaatcacta agaaaagaaa caaacatctt tgagggtatc tagcataaac 357360

attagttatt taaatattaa taaattaaaa aatttgaaga aggggtttta ttatttgggt 357420

tttattttac agtttctact aacttataaa tagatagtag tttaaagaaa atgtgaatta 357480

tttagggctg caattaccag agtttttgtt atataacttg gcagacagcc attctgcaat 357540

cacaaaaagt cacacttcag cctgagtttt ggatgggtgca ataattcaca ccttggacat 357600

tgtttcgctt cggtatcttc ctgcttcatt aaagatgctt acatttggat agtctgcaaa 357660

tgttcagtag gaaagactga atccaaatgt gtgaacaaaa catgagaaac ttattagcaa 357720

tttgaaagca caggggctat taataatgaa caagccaaaa agttactctt ctttcctgt 357780

gtcgagggtt gccctggaga catgcatgca ttttctttaa aattactgag acagcatcta 357840

aaacaacttg cagtcaaatt acaaaacatg tgcgagtaat cccagcttt caaaggtctt 357900

ctaagattcc cttatgtagg tagctatact cctatattgt ttgggatagt cctggggtat 357960

tattaataac atccctttaa ccctcaaaag ggctccgttt agatgataca ttatttggaa 358020

acactattta ttaagcctct ctagttttta acccaggaca cactctccca tagacagaag 358080

aaatataagc ctttaaagat catcgtttta aagttaattt ctaggccagg cacgggtggct 358140

cacgcttgta atcctagcac tttgggaggc tgggcaggc agatcagctg aggttaggag 358200

ttcgagacca gcttggccaa cgttgtgaaa cccgtctct actaaaaatt caaaaattag 358260

ccgggttttg tggcgcgatg ctgtaatccc agctaccag gaggtgagg caggagaatc 358320

gctggaaccc gggaggcaga ggctacagtg agacaagatc gtgccactgt actccagcct 358380

gggtgagaga gcgagactct gtctcaaaaa aaaaaaaatt aatttctagc cgcgttaaca 358440  
gcatttttat gaaaagtag gctggaatt caaacttgat atttctccat gaggctgcat 358500  
caccttcttg gatctctac acattgttta tgccatttga cggatactg acttagagac 358560  
tccgccacct ctaagtatc aatggttacc tatgtcaagg ctgagctggg gagagtcagt 358620  
gaggggcagt gatagaggtc ctaggataga gaacagaatg agggtttcag gcggtccatg 358680  
cacaaggaga ggagatgggg actggagaga ctgggaaca aagagtatgg gacagtttcc 358740  
caccggcatg atctccaaag ctactccggt cctaggtcag caatgacct accccattca 358800

cattcttcca accctgctca ccaatttagt cgcaagagga agtataccac aataggaaga 358860  
acaaagcctc tctgctctt cctagctcaa tgggcaggct tgggctgtt agctgctctg 358920  
agcctctgtt tctcatcag caaggatgcc cccacataat ttttacggc tattttggga 358980  
ttaaataaaa caccctttgt gacatactgc ccagtatcac acatagttgg cactcacaa 359040  
glatgaggcc tatcatcaga aatatttagt tctgttaaac tttctcttc caattttaat 359100  
ctgaggattg tgtccatcct gctccatgag agaacagcag atcttaaaag ggggtagcat 359160  
aaaatccttc tatcttatat gcaagccaaa cccccaattc ttgtgcattg attttatitt 359220

acatatgtaa gattataaa ttggacagtc aaaaactaga ggtaagtcca ccaccatccc 359280  
aaactgagga gcggcgggtg agcagagggc aaaataccag tcaataaaat ctcaaactgg 359340  
ttttgctcgg atccaccaa gcacagggtgc tggccaag tataggtccc acccaagtac 359400  
aggctccttt tgctccatga ctgccacat ctccctgggc atcctgaatg tgactctatt 359460  
ttggagggtg ggaacaagg gctaacaat gcccttggat gttgaagcaa ggtgtccacc 359520  
tcagacaggt aagatgagct gagtcaaaact tccaggcaca ggcatgtcat tcgtactcta 359580  
agatgagcag atgcctggca gccagccagc tctcagaat gctttgcct gatggtaatg 359640

agaagggtt caggcatagc tcctctctgc aagcatcatt cagagatgct cttttaaagt 359700  
tccataggta ttggccaggc cccacccatc tgctggacac tagggctgac catggacagc 359760  
actcgctca tgcagacact ttttatttct ggtcttccgt cgttcacagg aaccatcctc 359820  
agacccatcc cagccacttg gctcccttc ctactctcc tgatctctct gaactctgct 359880  
tccttcttg taacagccag gtagtccaga atgactgtgc tccatggcat ctagtctgct 359940  
actgccatgc tggtttacac agaggggtgg gacccaaagg cactatagt gacatctgtc 360000  
cttcttgctt gaccatcacc atcactcct tcttatatt agaaatttc ccaccaagcc 360060

cagccctctt tccttataga agctaaaagt actgtacagt ctgccatgca catgcaagtg 360120  
actttgctat tctcacact gagagggtga atctatctat atattctttg aagccgtact 360180  
tactgtgag tcttgcttg gctaatgat cagaggaagg gacttgaaaa acgcttgagc 360240

attggagctt attgctgctg ggagtcctgt gactactagg caaagaagtc taggctagca 360300  
tccttgagac tgaggggtca cacagagaca gaccccgttc caattatcca agctaagggc 360360  
ccagataggt gaagctatcc tatgcatcc agccccaacc gagttagccc agaccataag 360420  
aagcactcag tcaaccaca gaattgtgag aaataataaa cacgtattag ccactaagtt 360480

tcagggtgga tgtaagcaa cagtagacaa ctgataaagc aagtatagct ttatgaagat 360540  
gcaaattgcat ccattcttta agtacaccta tgttgagcta ttacatgcca acgagaagac 360600  
aagcaaagaa taaaatggtt cctataagga ccgttttttc ctttgggggtt tgtaacgtt 360660  
attgttcatt ttgatctgag ttttcaaatt ggtgccatct ggctgagttc tntagacaaa 360720  
tagtttaact gagcagtagt gtgtaaaaa tttttttgga atgtgaatcc cttcagatgg 360780  
ggcatgtatt cttcagttct gccacagtcc tcatcactct acagtgggtg cgtccgtact 360840  
ccttcaacac tcttaaatg cctgcatggc ttgagaaat acctgatttt ccccaaatct 360900

taaccaggta gggtaataaa ttatggaaca ctatgtatag aaaacctgaa acttctccac 360960  
actgtcgggg atatcttctc atcagtgaca gtatagggca gaggttgaat tgaaaaatgg 361020  
attaaaaact gagaaaagat gatgagaaaag catggggagt tgtgggtatc accacaaaca 361080  
tcttgagaa tgttcacagg gaaagagatt caatcgact cactcttcat cttcctcttt 361140  
tatatgggca agatctccat gagtcatggt tctccaata aaggaataaa acacaagata 361200  
atatatgaga tcattggcga ctatcttgga gacttagcta ccactaatgt cttgaaaacg 361260  
caatagtaat gatgatcaga atcactcaag ggtgatgaca actgctacca tttactgaac 361320

acctaccatg agtaaaagca tctgagtgt ctctatgtat caccctgtct gattctccca 361380  
acaactccta gtttactaat aagggaattg agaagcagaa atacatggaa cttgccaaag 361440  
gacatacaaa agcttgtaaa tgacacccca ccgtcacac tctaateccc tttctcaatc 361500  
gcagtgaagg atggttatgg gtagctgaca cagatagtgg tgaggccac gtgctgtctg 361560  
gaagtcatct ccgtgatgc tatttggcct ggagaggact gaaaagacag ctatctttgg 361620  
gttgtaagg cactgccaca gtgaaagaac agtacatgac ttccatgtta cttctgagaa 361680  
acaggtgaa gccaggtggt agatatcata ggaacaaaaa ttttaattca acatagaact 361740

ttaaggagaa attcactgac tgttggggtc acttcagcca taagagtcca tggttttaag 361800  
gatgcaacat taaccataag ctcaaagggt ctgaaaggaa cccacattcc tataaccaga 361860  
tgtctccatg ccattcatta ctcatataat agatattctg agcaaagact ccatgccttt 361920  
ttcattaatt catttagcct cattccatt aacttaact agcttaaat gcatagtcca 361980  
gcacactata ctgaaggaag cagcgatcct gaaagcctat gaatttttt ctgagcccta 362040  
gttccttgac tccaagctgt gtgaccttat aaagtccttc taccagtcaa gacctctgtt 362100

tctccatctg taaactaagg acactgatta gatttacttt gaaggtctct ttcagcttca 362160

acttaatatg ttaagtacat cttacaaaat ttaaaaaata atacttccta aattactttc 362220

aactagacta gctttacatg acaactgatt aaagagtctt ttctatctct tactgcctgg 362280

tcatgattct gaatgtttat ttgattcttt cacaggtag ttgtttacat gtctgacttt 362340

caattagcct ttcagatcct taagggcaga gaactataaa tgatccttct aatatactgc 362400

tgctgtctag catagtaggc attttaatta aactaagtag ctaaattagc tgtacttgca 362460

atttaaattc atgtgacaaa tttcaatgca ttttattttt atttccatag gaaatcaatg 362520

aggaacatga aaaaatgatct tatggttata aaagaaacaa gcactgaaaa aaaattttaa 362580

cttaggcat ttatactgaa aacaccaatt aaaaggaaat aatatttaca tataattaat 362640

cacacattcc aaaaatcaagg gtataagcaa ttacagccaa ctcttgatta tccttgccaa 362700

tgtggagggc atggcttaag cacaattgtg gataaacact aaatctaacc taaattcaat 362760

aggagccct tgtgtctttg catgaagata tgtgactgca caaggatgtt gttaaaggaga 362820

aaacttgttt aaaagtttat ctataaaaga aaatatcatg cagcaaccaa ataaagaata 362880

taacaatata atcttacttt tcccagcagc tgtattcgaa tacccttact tcaaaggag 362940

acatttgctt ttgttgggca aatacttgga taagtcctt ttgtgagcat ctgagactga 363000

ggagcgccta gtccctccgc ccctaaccg ggactgggag acacaggtag aactggtctg 363060

caataagcat gatcaatgtg ttgtctaaa agagagagag gagaaaagag cacccaaccc 363120

aggttggtac ttcatgtagg tgaagagttc ctactggggg aacccttggg ttggaggggag 363180

atttagagag acttaaacag cagatttctc tgtgtggatg ctaactctcc cctatacaac 363240

atctgataaa gtctacaata tattaagtgc ttttatgtaa gtagattatt gtggggtgga 363300

ggaggagtg aaaaggaact gaggttgtgc atctgtcaac attacgtagc aaaaaacaa 363360

tgaattatac aaaaagtat taaatattgg gttacattac agccacagtt gctgacataa 363420

aaagacagtc aatgtgtact ttgtgaaaa caacaaattt attgaggtac attttacaca 363480

ccataaaatt cacctttgat tattagtaaa ctatcaagt tgtataact tcaactgtac 363540

ctaagattag accattgcca tcatccaat aggatccatg atacctatat atagttaatc 363600

cctgttccca tctccaaccc taggcaacaa ctgtgcaact ttccgtcct atcaattga 363660

cttttttaac actttgtacc aacgcaaat gcaaatcaca gtctgtggtc ttttgtgcct 363720

ggtttctttc acttagcata attttcttg aagtttgtct atgatgtaag atgttttaaa 363780

attcattatt ttttattgct gaatagtatt ccattatatg gctaaactgt atttgttta 363840

tccattcacc agctgatgga catttggatt gcttctatit tgggctatta taaagaatgc 363900  
 tgccatgaac attcacatgc atgtctttgt gttgacgtac taatatatac tttttttag 363960  
 ggagaaaaaa gtggtagaat atcaacaatt ctaagagctt tatatittaa catcctgaaa 364020  
 attagagtgt gccttaaagt tgatggttta tgtattcatc aatgtcccat aaggaagcag 364080  
 atggcacatt caaattacaa tgctttaagg aaggtttaat aaggggacta aatataaagg 364140  
 taatggccag tttgaagaag ggaatcagtc aatcatgtgg atagcagtct gccaccttga 364200  
 gaagaaagtg ctctttctag ctaggacat gttcagcaca aggcatcagt tagggacaaa 364260

gctataggaa tgaatcgccc tccctcactc ttctccttcc atttggcctc ttgcaagagt 364320  
 tccccattgg ccagacccaa ctggaagctg gagggcaagg cagcccaggg acatgttcca 364380  
 cacaaccag cctttcaggg aagagagcga ggtggaaaat ggaaggacag tcagaatata 364440  
 tatctggcgc agtgtgtcaa agttaaatg gcagagtitt ctcttttttt ttaaatttta 364500  
 ttttattatt attatacttt aagttttagg gtacatgtgc acaatgcagg ttagttacat 364560  
 atgtatacat gtgccatgct ggtgtgctgc acacattaac tcgtcattta gcattaggtg 364620  
 tatctcctaa tgctatccct cccccacccc caccacacaa cagtaccag agtgtgatgt 364680

tcccccttct gtgtccacgt gttctcattg ttcaattctc acctatgagt gagaacatgc 364740  
 agtgtttggc cttttgtcct tgcgatactt tactgagaat gatgatttcc aatttcatcc 364800  
 atgtccctac aaaggacatg aactcactct tttttatggc tgcatagtat tccatggtgt 364860  
 atatgtgcca cattttctta atccagtcta tcattgttgg acatttgggt tggttgcaag 364920  
 tctttgctgt tgtgaatagt gccacaataa acatatgtgt gcatgtgtct ttatagcagc 364980  
 atgatttata atcctttggg tatataccca ctaatgggat ggctgggtca aatggatttc 365040  
 ctagtcttag atccctgagg aatcgccaca ctgacttcca caatggttga actagtttac 365100

agteccacca acagtgtaaa agtgttccca ttctccaca tctctccag cacctgttgt 365160  
 ttctgactt tttaatgatt gccattctaa ctggtgtgag atggtatctc attgtggttt 365220  
 tgatttgcat ttctctgatg gccagtgatg atgagctttt ttcatgtgt cttttggctg 365280  
 cataaatgtc ttcttttgag aagtgtctgt tcatatccat tgcccacttt ttgatggggt 365340  
 tgtttttttc ttglaaattt gtttgagttc attgtagatt ctggatatta gccctatgtc 365400  
 agatgagtag gttgggaaaa ttttctccca ttctgtaggt tgctgttca ctctgacggt 365460  
 agtttctttt gcgtgcaga agctctttag ttttaattaga tcccatttgt caattctggc 365520

ttttgttgc attgctttca gtgtttttaga catgaagtcc ttgccatgc ctatgtcctg 365580  
 aatggtaatg cctaggtttt ctccagggt ttttatgctt ttaggtctaa cgtttaagtc 365640  
 tttatccat ctigaattaa tttttgtga aggtgtaagg aaggatcca gtttcagctt 365700

tctacatatg gctggccagt ttcccaaaa ccatttatta aatagggat ctttcccca 365760  
 ttgcttgttt ttctcaggt tgtcaaagat cagatacttg tagatatgct gcgttatctt 365820  
 tgagggtctt gttctgttcc attgttctat ctctctgttt tggtagcagt accatgctgt 365880  
 ttgggttact gtagccttgt agtatagttt gaagtcaggt agcatgatgc ctccagcttt 365940

gttcttttgg ctaggattg acttggcgt gtgggtcttt ttttggttcc atatgaactt 366000  
 taaagtagtt ttcccaatt ctgtgaagaa agtcatttgt agcttgatgg ggatggcatt 366060  
 gaatctataa atgaccttgg actgtatggc cttttcccg atatgatcc ttcctacca 366120  
 tgagcatgga atgttcttcc attgtttgt atctctttt atttactga gcagtggttt 366180  
 gtagttctcc ttgaagaggt ctttcacatc ctttgaagt tggattccta ggtattttat 366240  
 tctctttgaa gcaactgtga atgggagttc actcatgatt tggctctctg tttgtctgtt 366300  
 attggtgtat aagaatgctt gtgattttt cacattgatt ttgtatctg agactttgct 366360

gaagtgtctt atcagcttaa ggacattttg ggcggagacc atggggtttt ctagatatac 366420  
 aatcatgtca tctgcaaaa gggacaatct gacttctct tttcctaact gaataccctt 366480  
 ttttcttcc tcttctctaa atgcccctggc cagaacttcc aacactatgt tgaataggag 366540  
 tggtagagaa gggcatccct gtcttgtgcc agttttcaaa gggaatgctt ccaggttttg 366600  
 cccattcagt atgatattgg ctgtgggttt gtcatagata gctcttatta ttttagata 366660  
 catccatca atacctaatt tattgagacg ttttagcatg aagggttgtt gaattttgtc 366720  
 aaaggccttt tctcatcta ttgagataat catgtgggtt ttgtctttgg ttcgtttata 366780

tgctggatta catttattga tttgtgtata ttgaaccagc cttgcatccc agggatgaag 366840  
 cccacttgat catggtggat aagctttttg atgtgctgct ggatttgggt tgccagtatt 366900  
 ttattgagga tttttgcatc aatgttcatc aaggatattg gtctaaaatt ctcttttttg 366960  
 gttgtgtctc tgcccggctt tggtagcagg atgatgctgg cctcataaaa tgagttaggg 367020  
 aggatccct cttttctat tgattggaat agtttcagaa gtaatggtac cacttctcc 367080  
 ttgtacctct ggtagaattc agctgtgaat ccatctggtc ctggactctt ttgggttggt 367140  
 aagctactga ttattgcctc aatttcagag cctgttattg gtctattcag agattcaact 367200

tcttctggt ttagtcatgg gaggtgtat gtgtcagga atgtatccat ttcttctaga 367260  
 ttttctagtt tatttgcgta gaggtgtttg tagtattctc tgatgtagt ctgtatttct 367320  
 gtgggatcgg tggtagatcc tcttttatta ttttttattg catctatttc actcttctct 367380  
 cttttttct ttattagctc tgctagcggc ctatcaattt tgttgatcct ttcaacaaac 367440  
 cagctcctgg attcattaat tttctgaagg gttttttgta tctctatttc cttcagttct 367500  
 gctctgattt tagttatttc ttgccttctg ctgacttttg gatgtgttg ctcttgcctt 367560

tctagtcttt ttaattgtga tgtaggggtg tcaatttttag atctttcctg ctttctcttg 367620

tgggcattta gtgctataaa cttccctcta cacactgctt tgaatgtgtc ccagagattc 367680

tggtatgttg tgcctttgtt ctggttggtt tcaaagaaca tctttatttc tgccttcatt 367740

tcattatgca ccagtagtc attcaggagc aggtttgttc agtttccatg tagctgagcg 367800

gttttgagtg agtttcttaa tcttgagttc tagtttgatt gcactgtggt ctgagagttt 367860

gttataatth ctgttctttt atatgtgtg aggagagctt tacttccaac tatgtggtca 367920

atthtggat acgtgtggtg tgggtctgaa aaaaatgtat attctgttga tttgtggtgc 367980

agagttctgt agatgtctat taggtctgct tgggtcagag ctgagttcaa ttcctgggta 368040

tcgttggtta ctttctgtct cgttgatctg tctaattgtg acagtggggt gttaaagtct 368100

cccattatta ttgtgtggga gtctaagtct cttttaggt cactcaggac ttgctttata 368160

aatctggatg ctctgtact ggggtcataat atatttagga tagttagctc ttttgttga 368220

attgatccct ttaccattat gtaatggcct tctttgtctc tttgatctt tgctggttta 368280

aagtctgtt tatcagagac taggattgca accctgcct tttttttgt tttccattg 368340

cttgtagat cttccttcat ctttttatta tgccttatg tgtgtctgca cgtgtgtgc 368400

tgataccag gcaaacagcg tctggagtgg acctctagca aactccaaga gacctgcagc 368460

tgagggtcct gtctgttaga agggaaacca acaaacagaa aggacatcca caccaaaaac 368520

ccattggtac atcaccatca tcaaagacca aaagtagata aaaccacaaa gatggggaaa 368580

aaacagaaca gaaaaactgg aaactctaaa aagcagagcg cctctctcc tccaaaggaa 368640

cgcagctcct caccagcaac ggaacaaagc tggacggaga atgactttga cgagttgaga 368700

gtgaaggctt cagacaatca aactactccg agctacagga ggaaattcaa accaaaggca 368760

aagaagttaa aaactttgaa aaaatttttag acgaatgtat aactagaata accaatatag 368820

agaagtgtt aaaggagctg atggagctga aagtcaaggc tcgagaacta cgtgaagaat 368880

gcagaagcct caggagccga tgcgatcaac tggaagaaag ggtatcagt atggaagatg 368940

aatgaatga aatgaagcga gaagggaagt ttagagaaaa aagaataaaa acaaacgaac 369000

aaaacctcca agaatatgg gactatgtga aaagaccaag tctacgtctg attggtgtac 369060

ctgaaagtga cggggagaat ggaaccaagt tggaaaacac tctgcaggat attatccagg 369120

agaacttccc caatctagca aggcaggcca acattcagat tcaggaagta cagagaatgc 369180

cacaaagata ctctcgaga agagcaactc caagacacat aattgtcaga tttaccaaag 369240

ttgaaatgaa tgaaaaaaat gttaagggca gccagagaga aaggttggt taccacaaa 369300

ggaaagccca tctgactaac agctgatctc ttggcagaaa gtctacaagc cagaagacag 369360  
 tgggggccaa tatgcaacat tcttaaagaa aagaattttc aaccagaat ttcacatcca 369420  
 gccaaactaa gcttcataag tgaaggagaa ataaaatact ttacagacaa gcaaatgctg 369480  
 agagattttg tcaccgccag gcctgcccta aaagagctcc tgaaggaagc gctaaacatg 369540  
 gaaaggaaca actggtacca gccactgcaa aatcatgcca aatgtaaat accatcgaga 369600  
 ctaggaagaa actgcatcaa ctaacgagca aaataaccag ctaacatcat aatgacagga 369660  
 tcaaattcac acataacaat attaacttta aatgtaaatg gactaaatgc tccaattaaa 369720  
  
 agacacagac tggcaaattg tatgaagagt caagacccat cagtgtgctg tatttaggag 369780  
 ttttcttctt tcttagtgat acacaaaata acggtgtatt ttcaactgag catttttagag 369840  
 ttgatgaaat aagattccag ttccataaaa atcgttatca taataatgtc cacatatgca 369900  
 tgaaataaaa tctggacata aatacctcat ctgcaagagg ggaatttaag atggaattta 369960  
 ctgtgtctaca ttaaacattt ctgtaatttg aggagttttt acaatgagca taccctatta 370020  
 ccaagaaaga cctagatctc tgtggtttct gaataccatg tcttattctt cctcttcaaa 370080  
 ctctctttca ttcttattaa ctccattttg tttttccaac ccttttcctt aatgataca 370140  
  
 gagcctggcc ttctgcctta cagttagaaa gcattttaat aaatatgtgt taaataaagg 370200  
 gaatatttta caaacaagtc aattagtaaa tgaaaatgaa ttgaggaacg tggtttaatc 370260  
 attggctcta ctggtacctt cctgttctctg taccaaggct caaggaaatt gaagaccata 370320  
 tgaaaaatac tgatgaatca gaaaggaaaa tgaagagaga aagaaaaatt aatattaaat 370380  
 attaatattt atttctaag caagagaaac aaattagata aacaaaaatt ttgttaaagg 370440  
 aggttggag tgatgtgga agattttttt tggaggaggt ctctaaaatg tgtctatata 370500  
 tctttacatt tgattctcaa aaaagggccca taatctttcc aatgatctca aaaggagtcc 370560  
  
 ttgtgataaa cattgagcat ggcaaagaaa acgataattt ctgaagtaga acaaaaatag 370620  
 taaagaattg atgctcttaa aaacactcag ttcccataa aattttcaca atctctttat 370680  
 ctccctgctt taccacact aagcctttac cagcattcag tttgtttca ttataacat 370740  
 tacacagtgc cagaaaatgt cttttagagt ttcttgagat gaaatgtggg cttaaaatat 370800  
 tttataaaaa tgaaaagggtg acacctcagt tttttctaa ttttattca gtgacatgat 370860  
 gcctcaaata atatttttgt ggactaagct gaatagttaa gcatagttaa gtttataaca 370920  
 tctttatatg ggaaaacatg ttccaagtgc tgaacaacca atttccaaac aaacttttgg 370980  
  
 aactcaacac attcctaigt taagaactgc ctgtactggt ttcaacctgt gaactcacca 371040  
 acagcttggt cagggttatt agcaaaatat caaaattggc tcatttaact attccattcc 371100  
 acttattcat ttgtccattc attcatgcat gcatgcatgt atacatgcat tcagcaaata 371160

tttatgaaga gcctacttta gcagggccct gggcaggaag tgaaatgata agaacacaga 371220  
atagaacgag acatggttgt tccgtgtctc actagggaaa cctcttagtg aagcaataa 371280  
accaacaatt ctaatacaat atttaaaaaa aaaaaaagaa gaagaagaaa ggaagagaga 371340  
taaagaaaga gaaaaataaa ggtaaatggg agacactcca ggaagggagg tcaaggcctc 371400

aaaaagaagt atctcagtg ggacaggata ctgcaaggag gtcagcattc tgaagagtgc 371460  
agtgcaagct atgaactggc aagctatgat gctggacctg tgatcatgag ggaatcaata 371520  
agccatttta agtaaggtaa gccttattct ttagtccct gttggcaaac ctttgatggg 371580  
ttaagcatt cgaatgaaat gttcagactt atattttact tagctaattc tgtaaccag 371640  
gtagaacttg gtcagcaaaa ctatagcctg cgagactttt gtatggccct atgggctaag 371700  
aatgttcttt acattttaaa acggctttga aaaatcaaaa gaaaaatcaa attttgtggc 371760  
acatgaaaat tacatgaaat tcaaatcttg gtgccaataa ataaagttgt actgaaacac 371820

agacaatatt tgtccattta catagtgtca atggctgcta tcagaaaggc agagtgggt 371880  
agttacaaca gaaaccatat ggcctaagaa gtctataatt ttgctatctg gcctgttaca 371940  
gaaaaggttt gcagactcct gttatagaag atggataaaa gaaggaagat cagtaagatg 372000  
gcttctgtaa ctcaatagac agctgagaaa atgacacacg gcttaactag gttagtggta 372060  
acaggaatgc aaagggcagg gcagtttcaa taacataggg taaaaatct gcaagctgtg 372120  
ggaacagagg tgatgtcaga gataatttca agttgctgtt ttgaataact agggaagatg 372180  
tggtgtccc cacctgagct ggaggaggc tgggaggaat gaggtgctct tgaggatctg 372240

tctgtgcaga tgtcttagag gcaaatgaaa atacgttgac taaaactgca ggctgcaccg 372300  
aacctccatt cattttacct ctgcacattta tacactaaaa tcaataagtc acttttcattg 372360  
tgccaaatat ggactttgtt tccctggctg acgaatgaac attttgacca atcatgtggt 372420  
aagcgtgctt aacaaccaga tgttgtgggt ctggcagtaa cggcaacatc tttacctaac 372480  
aatgtttatg taattttgtg gctgctgatg tttattacat tttggccttg ccgctttatt 372540  
tttatttatt tatttattta ttttctttgt agagatggag tcttgctctg tcgccaggc 372600  
tgagtgagcag tgggtgcgac tcggtctct gcaacctcca cctcctgggt tcaagcaact 372660

ctcctgcctc agcctcctga gtagctggga ttacaggccc acgctgccac gcccagctaa 372720  
tttcttttgt attttagtag agacggggtt tcacatggt gccaggtg gtctcaaact 372780  
cctgagctca ggcaatctgc ccactttggc ctcccaaagt gctaggatta caggcgtgag 372840  
ccacagcacc tggcctgcca ctttattttt ttaaaaggca gaggtaaaaa ataaaaaat 372900  
tagaatgttg aaactagtaa caaatataaa cttcataaat gtcataaatt atttaaaaa 372960  
ttttccaaga tggtagattc tctcatccag atgcctggaa atctgcctat gtgagaggat 373020

ttcagcatgc ctcagccact tggaaacagc aaaagagtgc ataaagatga actctgtgag 373080  
  
 ctttaattca agaaagcaaa tggagccca gcagaatcat tatagacacc ccaaatacaa 373140  
 gggaggagaa tagagacaaa cagccccctg tggcagcatc tcgtgataa aagtgagtga 373200  
 agccccagta cctgagagag ggaggaggatc tacctctgtg actcaccttt cactgaagc 373260  
 tccgggcaac cctggccaag ggagagtact ttgtttttcc caagccctgg agctaactta 373320  
 gggagacgct tgaagatgct gtgagggaaa aacactgcga aaagctgcat atgttttccc 373380  
 agaccagga ccaagagcag gaggccattt ttaatccaac tgcgtacaaa gtcagtcatt 373440  
 ctgtgacaac ctggcagtg agccacaaag gcattttagt ctcagcccag agattgcagt 373500  
  
 gccttctcta gagcagggtg ggggcctcca cagccagaac tgtgaaaagt gcctcagcag 373560  
 tagggctaga actgtgctct cccaactgc aagccagggg caggagaaga gtcctccaa 373620  
 ctgagagggt acaacatgct ggccgctttt gcttgctctc agcgcctcct cggcctcggc 373680  
 gtctgtctg gccacgctg aggagccctt cagcccacca ctgactgtg ggagccctg 373740  
 tctgggctgg ttgaggccag agctgctccc ttggcttgca gggagggtgtg gaggagagg 373800  
 cgccgggtgg aactggggt gtgcacggtg ctgcaggcc agcgcgagtt ctgggtgggc 373860  
 gtgggcttgg ccggccccc actcggagag gccagccggt gccaccggcc ccagacagt 373920  
  
 aggggcttag caccgggccc agcagctgca gggggatgc cgggtcccc agcactgccg 373980  
 gcccgcagc accgcgctg aattctgcc ggccctcagc cacctccca tggggcaggg 374040  
 ctccggacct gcagccgcc atgcccagc tccctccac gggtccccc gcggcctgag 374100  
 cctcccagat ggacacgccc cctgttccac agcgcctggt cccatcgacc gcccagggc 374160  
 tatggcatgg cactggcggg cagctccgcc catggccaca gcgcgggatc cactaggcga 374220  
 agccagctgg gtcctgagt cgggtggggt ctgggagaac ttttatgtct agctggagga 374280  
 ttgtggatgc accaacaggc actctgtgtc taactcaagg tctgtaaaca caccagtgtt 374340  
  
 ctgtgtctag ctaatctagt gaggacgtgg agaacttta tgtctagcta gaggattgta 374400  
 aatgcaccaa tcagcacttt gtatctagct caaggtttgt aatgcacca atcagcacc 374460  
 tgtgtctagg tcaaggtttg taaatgcacc tatcagtgt ctgtgtctag ctaatctagt 374520  
 ggggacttgg agaacttta tgtctagcta aaggattgtg aatggaccaa tcagcactct 374580  
 gtctagctca aggtttgtaa atgcactaat cagtgtctg tgtctagcta atctagtggg 374640  
 gacttggaga acttttatgt ctaggagaac tttcatgtct agccagagga ttgtatatgc 374700  
 accaatcagc actctgtatc tagctcaagg ttgtgaaaca caccaatcag caccctgtca 374760

aaacagtcca atcagctctc tgtaaatgg accaatcagc tctctgtaaa atggaccaat 374820  
 cagcaggatg tgggtggggt cagataaggg aataaaagca ggctgcccc gccagcagtg 374880  
 gcaaccggct caggtcctt tccgactgt ggaagctttg ttctttcgt ctttgcgata 374940  
 aatcttgctg ctcttacta ttgggtccg cactgccttt atgagctgta accctcacca 375000  
 taaagtctg cagcttact cctgaggcca gcaagaccac gaaccactg agaggaatga 375060  
 acaactccag acgcgtgcc ttaagagctg taacactcac cgcaaaggta tgcagcttca 375120  
 ctctgaagc cagttagacc acaaccaac caaaggaag aaactccgaa catgtctgaa 375180

catcagaagg agcaactcc agacacgcca tttttaagaa ctgtaacact caccgtgagg 375240  
 gtccgcagct tcattcttta agtcagttag accaagaacc cccaatttc ggacacacaa 375300  
 ctacagtctc taccacacaa tgagatgtgc aaccaagtcc agcttgcaa cctggaacca 375360  
 atctgcatgt gtcttgctg agtgccccag cctgttcccc tgagatcatg gtgcagtagg 375420  
 gccctctccg ctccaccct aggcagaact ccaggcactt ggagcatctg ctgcctgga 375480  
 ccagcagcct aagccacccc accttcacg gacatagatc gtgtgcagt ggggctctgc 375540  
 tccatgcccc ggcagatctc caagtattca gagccctcc tagcctatat cagcagcctg 375600

aacatcttac ctttctgtg catagattgt ggtgcagtgg ggctctctgt gctccacaca 375660  
 caggcagtag gcagatctcc aggcctttgg agcactccct cacatggact aggagcctga 375720  
 gtgccccac ctccctatg cagagatgct gtgcaagggg gccctctcca ctccatgact 375780  
 aagcacatct ccagacattt ggagcaccca ctgcctgga tcagtagcct aaactgccct 375840  
 acctccttg ttagagatc atggtacagg gaggcattct ctgtccata cacaggtaga 375900  
 tctttgacaa tccacagcat tcactctctt ggattaggag tttaggctgc cccctgccc 375960  
 ccaccccaa ctccatcacc ttgcagagaa cttaaggcca aggaggttcc ccagctccat 376020

gcctaggcac atatctgggc atttggtgtc cgccactgg attctccctt ggtgctggtg 376080  
 ctctgcctg ctgctgggga agttaggca aacctgcca gtcctgcctt gccatcttg 376140  
 ccaccactt caccggggt gagggaggag ctgagaccac tatgtactcc atgaattagc 376200  
 ctgttgtcta agtcagtaga gagtttctgc cagttagcaa ggacaccag ccacaaaggc 376260  
 caccgccagc tcttactcat ctgcgccatc tactggcttg taggtcaaac tgcacagccc 376320  
 aatataaac ctgccaacca aagtgcacag ggctgtagaa gtaaagcaa aagaccatac 376380  
 ccagcattct ctacaatcac gcccctagg aaggaggagg aaagggaag ggagaggga 376440

agagaaagag acaaaaagaa agaacaaaaa tatatatgga aagaaagaaa aataaaaatt 376500  
 cctgcctgca tgaattaat taaaaaatt agaagtacca gcacttcag atgagaagga 376560  
 accagtgcag gaattctagc accaagaaat atctgaatgt agtaacgcca ccaaagaata 376620

acactaactc tccagcaatg gccctaacc aaaatggaaa ttcagttatg gcagataaag 376680  
aattcaaagc atggattgca agcaagctca atgagatcca agacaaggtt gaaaaagcaa 376740  
caciaagaaa ctttgtaagg caatccagga aatgaaagaa aagataaaca tcttaaaaag 376800  
aaattaatca ttaatctaatt tctaaaaatt gtattttcaa attccttaca tgagtttcta 376860

attctaactc tagaagtaga aaactcactt aaggaattac aaaatacaat tgaaaatttc 376920  
atcaatagac tgaaccaagc aaaagaagga atttcagagc ttaaaaacca gtctttcaaa 376980  
ctaaccat cacacaaaac taaagaaaaa aagaatttta aaaatgaaca gtctttgaga 377040  
aatatgggat tatgtaaata aactgacaga tcttacaat tactggcatt cctgagagaa 377100  
gtggagaaaa agaaaatacc ttggaaaaca tatgtgagaa aataattcaa gaaaatttc 377160  
ccaatcttgc tagagaggca gacacctaga tacaagaaat ccagagaaca cctatgagat 377220  
gctacacaaa atgaacatca ccaagacata tagtcaccag actgtccaag gtcaatgcta 377280

cagaaaaat ctigaagaca gctagagaaa aaggtcaggt cacatacaat gggagcccca 377340  
tcagtttaac agcaacttc tcagcagaaa cttataagc caggagagat tagatgtcaa 377400  
ttttcagcat tcttaagaa aagaaatttc agccaagaat ttcatatccc accaaactaa 377460  
gcttcataag caaaggagaa ataaaatctt ttccaaacaa gcaagcccta aggggaattca 377520  
ccaccactgg accaatctta caagataacc ataagagagt tccaacatg gaaaggaaag 377580  
aactatactt gttaccacaa aaacacactt aagcagatag cccacaaatc ctataaagca 377640  
atcacccaat agaaactaca aagcaaccag ccaacaactt catagaaggg tcaagtctc 377700

acatctcagt attaacctg aatgaaatgg cctaaaaccc cccacttaaa aggcacagag 377760  
tggcaagtgg gatgaaaaac gagaccaatc tatctctgt cttcaagaga cccactcac 377820  
atgtaatgac aaccatagc tcaaagtaa ggtttagaga agatctgtca cacaaatgca 377880  
acacaaaaaa gagtataggt aactatcctt atatcatata aaacagactt ttataacata 377940  
tcatatataa gttatatata agtttatata tataagttat atataagttt atatgatata 378000  
acttatatca tataaaacag acttttccaa caagagcaaa acaggaccaa aaaaggtaat 378060  
acataaaaaa aaaagtgggg ctcaattcaa caagaagact taactatcct aaatacatat 378120

gcacctaaca ttggagcact catactcata aaacaagtac ttctagacct acaaaaaaga 378180  
cttagagagc attataataa tagtggggga cttcaacaca cccactgaca gcattagaca 378240  
gatcattgag gcaaaaaaca aacaacaaa atctgtagtt aaattcaaca cttgaccaat 378300  
tggacctaat agatatgtac agaatacttc accttcaacg aaagaatata tattctctgc 378360  
atctacacaa ggaacatact ccaaagccaa ccacatgctc agctataaag caagtcacaa 378420  
taaattcaaa aaaatcgaaa tcataccaat cgtactcttg gaccacagtg gaataaaac 378480

agaaatcaat accaagaaga cctctcaaaa ccacacaatt acatggaaat taacttactt 378540  
  
 cagaatgacc ttggagtaaa caataaaatt aaggcagaaa ttttttacia acttcaatat 378600  
 aaatgaaaac agagatacag catacaaaaa tctctgggat gcagacaaag cagcgctaac 378660  
 aggagttttt agtgctaaac acctaccttg caaaattata aagatctcaa attaatgaac 378720  
 taacctcaaa cctagaggaa ctagagaaac aagaacaaac taactccaga gctagcagaa 378780  
 gaaaataaat aactaaaatc agagcagaaac tgaaaaaaaaa aattgagacc cagaaatcca 378840  
 taaagaatca gcaaaatcaa aagttgtttt ttgagagaat aaatcagatt ggtagactac 378900  
 tagctagatt attcaaagaa aaaaaacaga gaagatccaa ataagcacia tcagaaatga 378960  
  
 taaacgcaac attacaacca atcccaaaga aacacaaagg atcttcagag actattatga 379020  
 acacctctat gcacacgaac tagaaagtct gaaggaaata gataaattcc tggaaacaca 379080  
 caatctgcca aaattgaaac aggaagaaat taaaacctg aacagaccaa tatcgagttc 379140  
 caaaattgaa tcagaaaaaa acaaacaaaa acaaacagaa aaaatcctac caacaaaaaa 379200  
 aagccaagg ccagatggac tcacaggact cacggccaaa ttctaccaga catacaaaaga 379260  
 agagctgata ataatectac cgaaattatc caaaaacatc aaagtgaac gactcctgcc 379320  
 taactcgttc tatgatgcaa ggatcacctt gagacaaaaa cctggaaaaa acacactgaa 379380  
  
 aaaagaaaac tacaggccaa tatecctgat gaacacagat gcaaaaatcc tcaacaaaat 379440  
 ctagcaaacc aaattcagca tcacatcaaa aattagtcca ccataatcaa ttaggcttca 379500  
 ttcctgggat gcaagattgg ttcatcatat gcaaatccat agatgtgatt caccacataa 379560  
 acagaattaa aaacaaaacc actcgatcat ctcaatagat gcagaaaaag ctttttataa 379620  
 aatcaaacat gccttcata taaaaaacct caagaaacta ggcatcaaag gaacatacct 379680  
 caaaataatc agatcatcta ttacaaactc acagccaata tcatactaaa cagacaaaac 379740  
 ctaaaagcat tccttgaaa actggaacaa gacaaggatg accactttca ccagtcttaa 379800  
  
 tccaacatag tactggaagt ccttacaaa ccaatcagac aagagaaaga aaaaaaggca 379860  
 tccaataga aaaagaagaa gtcaaaactgt cccgtctttg tggaaaatct gattctatac 379920  
 ctagaaaact ctaaagactc caccaaaggc tcctagaact gataaacgac ttcagtgaag 379980  
 tttcaggata caaaaatcac tgtacaaaag tccgtagtgt ttttatacac taataacatt 380040  
 caagctgaga gcctaattaa gaacaaaatc cgagtcacaa tagccacaca aagaatacaa 380100  
 taccaggaa tagagctaac cagggagctc aaaaatatct acaacaagaa ctacaaaaaa 380160  
 cactgctgaa aaaaaatcag aggtgacaca aacaaatgaa aaaacattct atgctcatgg 380220

attggaagac tcaataccat tacaacgacc atactggcca aagcaatcta cagattcagt 380280  
gctattccta ttaagctaata aacttcattt ttcacagaac tagaaaaagc tattctaaaa 380340  
ttcacatgaa gccaggcatg gtagctcatg cctgtaattc caggagtttg agaggccgag 380400  
gcaggaagtt cacctgaagt caggcgttcg agaccagcct ggccagtgtg tagtgaaacc 380460  
ccatctctac taaaaatata aaaaattagc caggtgtggt ggcacgcacc tgtaatccca 380520  
gctataggga agttgaggca ggaaaactgc ttgaaccggg gagacggagg ttgcagttag 380580  
ccaaggtcac gccactacag tatagcctgg gtgacagagc aagactcttt tttttctccc 380640

cctttttctt tttttttttt ttttgagacg gagtcttctg ctgttgccca agctggaaga 380700  
cagtggcaca atctcggtc actgcaagct ctgcctcctg ggttcattgc attctcctgc 380760  
ctcagcctcc cgagtagctg ggactacagg cggccgccac catgcctggc taattttttt 380820  
gtatttttag tagagacagg gtttcacat gttcaccagg atggtctgga actcctgacc 380880  
tttgtatcca cccacctcag cctcccaagg actcagctc aaaaaataaa ataaaaataa 380940  
ataaaaaata aataaaaaata aataaaaaata attcacgtga aacaaaaaaa gagcccaaac 381000  
agccaaagca atgctaagca aaaagaacaa agatggaggc atcacattgc ccaacttcaa 381060

accttactat aaggctacgg taaacaaaat cgcatggtga aagtacaaaa acagacacac 381120  
agaccaatgg aatagaatag agaaccaga agtaaaatct caaacctgta accatcagat 381180  
ctttgacaaa gtcaacaaaa gtaagcaatg gggaaaggaa tcctatttaa ataatgata 381240  
ctgagatagc tggctagcca aatgaagaag aatgaagtgg gactctttct gttcaccata 381300  
tacaaaaatt aagtcaagat ggattaaaga tttaaatgta agacctcaa ctgtaagaat 381360  
cctagaagaa aagctaggaa acaccattct ggacattgcc atgggaaaga atttatgact 381420  
aagtcctaaa gtcaaaggca attgcaacaa aaacaaaagt tgacaagtgg gacctaatta 381480

aactaaagaa ctctatagc gcaaaagaaa ttatcagcaa agagacaacc tgcagaatag 381540  
gggaaaatat tagcaaaacta tgtctatgta tctgacaaag atctaatac cagaatctac 381600  
aaagaactta acaattgaa caagcaaaaa acaatcccat ttacaaaaaa atgggcacaa 381660  
aacatgaata gacagttctc aaaagaagac atacaagtgg ccaacagaca tgaagaaatg 381720  
ctctgcagca gtagtcatca gataaatgca actccaaatc ataatgaggt agcatctcac 381780  
accagttaga atggctgtta ttaaaaagtg aaaaaaaaat caacagatgc tagtgaggct 381840  
gtggagaaaa gggaatgctt atatgctgtc agtgggaatg caatttcgtt tagcaactgt 381900

agaaagcagt tccgagattt ctcaaggaac ttagaacaca catttaccta cgtaacatga 381960  
ctgcacgtcc tgcacatgta gcctggaact taaaattaaa ttaaaattaa aatgtaaat 382020  
gaatcaatat ttaaaaagaa aaggaaaaaa acagaattat taatactatt tcacccaca 382080

atcccattac tggatctggg tataatatcca aaagaaaaca aatttttcaa ccaaaaagat 382140  
atatgcactc gtgtgtttcac tgcagcacta ttcacaatag caaagacatg gaatgaacct 382200  
aggtgcccc gtcagtgggt gatgggataa agaaaatgtg ttacatatat actatggaat 382260  
agtacacagc cataaaaaag aacaaaatca tgtcttttac agcaacatgg atgcagctgg 382320

aggccattat cctaagtga ttaacacaag aacaggaagc caaatactcc atattctcat 382380  
ttataagtag gagccaaaca gtgggtactc atggacatta agatggctac aatagaaact 382440  
gaagactact acagtgggga aagagaaatg gggcaagggt tgaaaaactg ttgggtatat 382500  
gctaggtacc tgcgttaaca tgatccatcc tcagcatcac acaatatacc caggtaacaa 382560  
acctgcatgt gtctctgaa tctaataataa aagttgaaat tacttaaaaa agagattact 382620  
aaaatgtcag atagccaatg aatttaagct gatgaaagaa tgatctacta tgaaggaaaa 382680  
gcactaaaga aaacaggtgc acaattttga aaatatcttc tgattgaaga taatatgtaa 382740

aaagaggagt acagttagcg attttataac gattctttca cacacacatc ccaatgcctt 382800  
ctagaaaata tttggctttg gttttgtac atataacat ctgatacact ttcaggaact 382860  
cattaggtct gagagtaaga gactccatgc atacatctgc aggcagaagc tgagaagata 382920  
cagaatatga aaggaaccag taaaaagca aggggaggaa gaaaaggctg catcctaggg 382980  
aaaccaatac ttattaacaa gcagagtaag aggagccac caaggaacta acgtatgaca 383040  
gtccaagaaa aatgcagaga accagggagg ttgaacacac caagatggaa gggagttgat 383100  
accaagagag tcaagtatca agaaggaatc aggccgggca cagtggctca cacctgtaat 383160

cctagcactt tgggaggccg aggcgggcag actgcctgag ctcaggagt ttgagaccagc 383220  
ctgggcaact caaacctgt ctctagtaaa atacaaaaa ttagccgggc gtggtggcag 383280  
gcacctgtaa tccagctac tcgggaggct gaggcagaag aattgcttga acccggaagg 383340  
cggaggttgc agcgtgcaa gatcatacca ctgcactctt gcctgggtga caaagcaaag 383400  
ctccatctca aaaaaaaga aggagtcagt tgggaggccg aggtgggcaa atcacctcag 383460  
gtcaagagtt tcagaccaac ctggccaaca tgatgaaacc ccgtctctat taactacaaa 383520  
aattagctgg gcgtggtggt tcacacctgt aatcccagct acttgggagg ctgaggcagg 383580

agaattactt gaaccagga ggtgcagaat gcagttagct gagatcacc cactgcactc 383640  
cagtccctgg gtgacagaac gagactctgt caaaaaaaaa aaaaaaaag gaatcagtt 383700  
tgactatttc aagacagca gccactattt ttgctgtca aaacctctc tctctctct 383760  
tatgtacagc accccaattc aactatttcc ccactttag tcatgtgatc tggatttaca 383820  
gtccaaggc taagccatga ctggcttcag tcaatctca tattccaaag ctctggcca 383880  
gagttacgaa ttggttcagg gataggcagg acctgaagca gagacaatgg gatacaagga 383940

gatatgttct ggggattctg agaaaaagac atgctgtctc ttccttgaa gatttgatgt 384000

gagaatgtga tgtctggagc tgcttgcagg cctagtgcga taagagagga aagtctagag 384060

gtgggggctt ggaaggtgag tgagtagcac ggaggagctg aaggatgaag ccaaaacatg 384120

gatgtgggga gaatccaggt ccttggtgaa tcatttcagg cactggatca aacctcacct 384180

aaggccagca cccactttag gatttttcag ttacatgaga caagaattct ccatgattgt 384240

ttaagccagt taaaactgtt ccaacaagac aagactaaga atccaggctg acagagaggt 384300

tcagcagtga cctcaatgaa agcagtttca agggataggt agacatatta aatatggatg 384360

acttctcctt taagaaatat gaataaaaga aaactgttta ggctgcactc aaagatcag 384420

gtgtgggtcaa caggatttct ttttttttag ttgtttttg ttcattgttt gtttgtttgc 384480

ttgtttgttc caagatgcaa gatactgaa tctgatttag aagctgacag aactgatcta 384540

gaagagaaga gttgaaggtg tggaaggga aatatataag tggtaacaaga tccccccatt 384600

ttcaaattat gaaggcaaac tctacatgct tcttgggtcac tagatctaag aaaatctata 384660

acagaactat ctggaaaggg aatcttaata gtgaccaagg gatattgcaa gtgagtatta 384720

gtttctatat attattgaa gacattttta aaagaggtgg aatgtttca ctgtggaaag 384780

aaaaaagctc agagaggctg taatgagggt gtcttaaaaa attactaaaa gactggctta 384840

cacaggatct cttcaccaa attgcagtat atgaagactg cctaacatct aaccttgaaa 384900

gaggcttatt ttctattact atttccaact gaaagtcatg ataataaaa actcagacgc 384960

ctattagcag aaaaataggg cgtagcttta tgaactgctt tggaaaatcc cacacagcct 385020

atgtgcagtg gacattttaa taaactacaa taticcctga tctctgaggt caatgaaaca 385080

agagaatact ttataatctc tcccaaagca tgttgctgaa ctggaagaac tctaggcctc 385140

acaccttaaa ttctcaggtc taataagggtg tgtgaacct ccataaatga aatgatatac 385200

tgggtgaaaa tgcagaattg tggtaacggt ttgaatgaaa atctttgata gatcgaaact 385260

ctgcatcagt ttaccaagag ctgaactgtt taactgttta ttgaaatgcg acctgtcaaa 385320

tctgagtaca actgagagat taacatagtt ttcacaattc agttagata ctggcatat 385380

cgcgctggga ggaagggggg aggacgaagt ccatgatact gacaaacaac aactgcttaa 385440

tatccttatt tggacattcg tactactga cgccaaatac atattttgta gagccagagg 385500

ggatggaagc caacaaagac aacttgccct tttaaaataa cagaatccct agaccagagg 385560

gcccctacaa aggcaacaca ttcatcccta cctctgggct acacttccca atccataatg 385620

glatgtggag aataatccat aacatcttc ataaccagt ccaattttat catccaaccc 385680

cacctccccct cccgacacag agcagccaca tgcgaagct gcccccttcg tccccacact 385740  
atgcagagggg aaggtggact ctgccagccc cactaaactt aaggatgcac acaaaatatt 385800  
tacaacagcc agcatgacaa gaggagcact cttacttag gaatttccat tcagcccaag 385860  
gcaaataatc gciggtgatt tatgtcctc cactggatgg aaaagaaaca ttgacagat 385920  
taaaatgtgt atttttttca ttatgccttt acctcaaat gatgcttatg gagcaattta 385980  
gagacagggtt acaaatctgg gaggattcat aattattcct gcttaaagtt aataataaca 386040  
gctaaacaaa tagctaacat gttactacgt gccttacaca tagtaagatc ttcacagaca 386100

ttattgcctt taatctccac agcccatact atgtgtgaca taagcataat cgtactcatt 386160  
gtgcctgcat cgcagatgag aaaaaagcag gagagagagg atatactggt tgcccaaagc 386220  
cacacagctc atgagtagca gatggggaac ccagaacagg cagcctggcc ctgggcttgc 386280  
atccttaacc attacacctc acttctcca aacaggtatg aggcaaaaaa gcaaaggga 386340  
tgatcttttt aagatcactt ttgggtcact gattctataa ttctaacttc gctttcttta 386400  
tctggctaaa atacttccac ttcagctgcc caaaaaatgc tataatgtccc tggaaccacg 386460  
ttgggggtag cggtgtgctt taaacagcac agttagtgtg tgtgactcaa taaccattct 386520

gtacaccacc aggaaagtga cttttatacc actaacgtca cattaacctc ttgcctgcc 386580  
aagagcaggc ctaaccaggc ctgcagtttt catttgagtt cagtcccctg ggagaaaagc 386640  
ttttatttga caaagcagat tcttgccaca catgagtaat ctaagaaact gattttctaa 386700  
atatggcttc ttatagcag aacaagtaga cattctcccc aagttaaag acaaaggaga 386760  
tctgataatt aagcggcttg ggcatggggg atggagagga ctctgtttt aaatctcgag 386820  
actgcaatgg ccacaaacaa gttctgatct tcagtgggca catctccctg cagctcagcc 386880  
tgacgtcaat ggcaagggga ctgagcaagg atcatgcctc tgaacagctt ccagagagt 386940

gtcttaagaa tataaagtca tgctaagttg ctcaacatgg tgtaacatga gtgtctgaaa 387000  
acaagtgtc tcttctgcca ttgctggagt gggcaggatt ggaagagcca tttcttctga 387060  
aggcccgttt gggagagggg attttacaat ttaacatgt cctgtgtct ctgtaaagt 387120  
tgactgaaat tgtctgttag ggaatagat gttccgcact tgggtagaga ataatttgaa 387180  
aaacctgga tggttgctag cgtttaaga gtctaactct gtgtgacaaa gataggtgtc 387240  
cagttttgcc caaagcctta tgccacctc taaatgcctg gagatggaac tcaatgggtg 387300  
gttggtcttt ggtgacacca gtgaccaaca ccttgtgtgc ccttcagagg aggtgaatct 387360

giggctagaa agcctccagc tttcatgata ttctttcca taataaaggc tgtctggatg 387420  
ggaggaggtc tggatcccca gcttctctga tgggtgactt cttcataaag cactcttgag 387480  
aacattccc ataatgtac attttcacat aaagttgcat ccatgctact gctcatgcca 387540

gggtgatcat aagatatata taaaagtgtc attttaaaag atgacatata aattacgtaa 387600  
gtcctaagat tttcttctcg catcaaatg gacgtcatg caccactctg gagacccct 387660  
gatctaacc aacccctca tcttataaat gaagatgtc actcaaagac gtaaaattac 387720  
cctgagttca tctagaacct acacatcctg acccatacac tgggtctcct tcctgaagat 387780

tttcaacagg tgcttgtgt accctcttctc tgggacattt tgatgcatag ggtatctggg 387840  
tttctcataa tgtcagggca tgttactggc attcatgggt gtggaccaga gaaactaac 387900  
gtcttggaa ctgtacaaca gtccacaca caaagaacct tcctactcca ggtggcaaga 387960  
gccccattgc agaaagcttc tcaagatgga ctctcttctc ccaatagaaa cttcaccagc 388020  
aacaagtctg tgctattctc attgtgcctg ccatcctctt ggactcttaa aaatcacagt 388080  
aattccattt catcttctc tccaatgtta atgatatcac ttgtcaggag aggtcactg 388140  
ctagagcctt catagaattc ctatcatgtt cctctctgcc agggtttctt aacgtcactc 388200

ctactgacat tctgagctag ctaattcttt gttgtggggg ttattctgtg catctctgga 388260  
tgtttaacag catccctgtc cactgtccac cagaatccag tagcattccc gcccccccc 388320  
agttgtgacc atcaaatgt ctccaagcat tggcaaaatc accccaagtt gagaaccact 388380  
gtccaggcc aagactgcaa agaggatctg tgtacaaca caaaggagac aagacatccc 388440  
atccctcat ccgtaatgtt ttccatcaat atcagtctat ggcttaacat caagataggc 388500  
tgcacatttc aggaaatgta aggatgatat ttgttccagc ttgggtgtccc cagtgtctgt 388560  
ataatgcctg gcacatagtg ggcaccccat tgagtattta ctgaataaaa gatgctttct 388620

tcagaacaat acatacctta gttaattcaa gccttaataa atgagcctaa ttccagtaat 388680  
agaagcccca aagaccttct tgagaaaaca tcagaaagta cctattatga tagttttgca 388740  
atatgtaaag gatttgtgt atggttaatc attccatctt tgaacaatcc aaccagaaag 388800  
taaccatcag attatcatgc ctcttggtat cagcgaagtt cagcatecaa ttgccttttc 388860  
tattttgtgg tggccttagt ttatcttaac atccctctgc attatctggg aaagcatttg 388920  
aattgccaat ccgaaaacag ggctgtgcaa catgctctga attagaatag aatagaattt 388980  
caaatgtggc ctgcttaaat tcatatccag caagctattt atgactgcta agcagcaatt 389040

tttttttaaa gagcaaattt tagtgagctg ccttgggact cttttcttat gtgggaattc 389100  
tacaatgcag aaaacttaag tcttcagttt aaaaataagc aaggttttct gggaaatgac 389160  
agagcttcaa aataaggaaa gaaatacaat gcttatcctg ctcgtccaag gaagcagggt 389220  
acctgcaggc cccactggct gtacgttcg atgcagcttc acctgctaga gccagtctcc 389280  
ttatgtctc accaataage aagtcatggg cctgccact tctgggcttt ctcttgtccc 389340  
ccaacttgga atgtctgcca ttttcttct tccaaggtaa attccacaca ccctaccct 389400

cccttatcta ggaagcttcc ctgacagctt tagctccatg ggccatcctc tgcgcagagt 389460

ttccactata ttgataaatt tggaatctgt accacactct tctccactta agtaaatcct 389520

gtcttgcaag gttaggetgt gatttcctac ggattaaaca ggcgccctca acaaggctaa 389580

attccttgag catctgcacc atccacactc caccagcatc tagctccatc ctgaccacat 389640

ggtaagtaac cagtaataac ctgtttgtctg gactattcca gattgtgccg aatacatgaa 389700

cttgtgccct aatctttata tgcatttcca tggactccat ttgtttatgt aagttcaagg 389760

tccacttggc tccactttaa taaaatgcaa acaatataat tctcactgga tggctgtcaa 389820

cagtgggttt tccagcaggc tctaagaca gcatcactga aaaggtccca aattcattca 389880

cactcagtgc agaaagagat ctatcaagcc ttgccacat ctcacccatc ctgcacgcac 389940

ctttttctgt aaggaaagag acactgtgtt actaattgcc agcacacaac accagacgga 390000

gggatgaaag ggcatatagc ctgtgtttaa gttagccctg aaggctaagg gctgccgcat 390060

gcattcttag cagacatgta aaatggtgaa gcaactttgc aaaacagttt ggtagtttct 390120

taaaacgtta aatttaaat taccagaaa tcccactcgt aaatatttat tcagaagaaa 390180

tgaagtcac cttctactga aagacttgta tgtgaatgtt catagcagca ctgttcataa 390240

cagccaaaaa ggggagacaa cccaatgtc caccaactga tgaatggaga agtaaatgt 390300

aataactca ttcaatagaa tgttatttga caataaaaaa ggaatgaaat actgatacat 390360

gtacacagcat ggattgacct tgaaaacatt ttcttaagtg aaagaagcca gacacaaaga 390420

ccataaactg tgttattcca attgtatgaa atgccagaa aaggcaaatc catagagaca 390480

gaaagtagat tagtggttgc ctggggctgg gagtgggaaa gaggattaac tgtaaatgtg 390540

cagaggaatc ttactgggat tctaaaactg gattatggtc atggttgcac aatttggtaa 390600

atttaccaaa agtcactgga tcatatgcat cgagtgggtg aatgatatat gtaaattata 390660

cctcgatttt taaaaattaa atataagaac aaataacaag ggtcattgat ctgctttctt 390720

caaggactga ctitcatctc tttttccca atggctgagt tctaggtgct tcctctaata 390780

atccacagtg atgtcttcag cticatttca cagccacact tgtagtggct cacatcttaa 390840

caatggatca atcacgaaac ccattcattc attaaagaaa gattttctga gatctttgta 390900

tgagccaggc actgtgctgg atacttagga caaaatagga aacaaggcaa atgtgtgcc 390960

ttgcagtccc agggctgagg gttacagaca cataagcagg caaaacaata cagcagtgtg 391020

tgctacaaca ggggcaggga tgggtgggaa gacacacatg gcacacaggt ggcgctctc 391080

accttgattt tgatatcaga aattcctgaa aaactaactt ttagctgagg tctaaaaggc 391140

aactatggaa acaaggatga ggccaaagga aaagagtttt ccatgcagag gaaacagcag 391200  
 atacagaagc ctagaggcaa gagagataga acatgtgagg aacggatgct actccatcta 391260  
 aatagggcat agtgtttagag gcaatgagta gaagagaagt ttcagaaaag ttaatggggg 391320  
 ccagatgaca aagagcttca taggcacatt aaagagctgg ggctataccc tgaggggtat 391380  
 ggggaggcag tgcagtgttc tcagcaagtg agtaataata tcagatttgg ggtttgctgg 391440  
 agatgaatgg aagaagccaa aactagaaac aggaagaccc gttcattagg aggctgttgg 391500  
 agattgtgac ctgggctgga gaagaggcag aagctgccat ggaaaaaac tatttcctt 391560

atgagaagtg gcttgcctc acgtgccatc aattcacccc tccttaggcc ttggtataaa 391620  
 ataccagggc ctctagaat tgaccaggta aaacatctct tattctagcc ctttctactc 391680  
 cagctgtttc cttagatgag atatctcctt tcctttgtct cccttagcct gtcgaaaccc 391740  
 tatgcatctt tgtctcagtt tagaagtcct ccaggaagcc atccctgaca acccagccac 391800  
 accctaactt gggctagtag cctctcctag atgctccctt taaaacctgt acatattctt 391860  
 tacatagcat atactgtatc cctttgcaat ggaagtatcc ccatgttgat tttctctgtc 391920  
 ttgtcactaa acaaggactg tccagtagaa ctctgatga tgatggaaat gttctacatt 391980

tgcactctcc actatgggtg ccactaacta cgtgtaagca cttgaaatgt ggctagtgtg 392040  
 attaagaaat tgaattttta atttatttta attttagcta atttacgtag ccacatgtgg 392100  
 ctagagacta ccatattgaa cagcacacta gacattacat tttgtaagca caggttgtgt 392160  
 atcttgttca ctgctgaaac cctggcatgc gaaaaagcac taggcacgta atagaaactt 392220  
 gataaatatt tgggaattaa tgcataatat acatgtgctc tgagtgcaca tatttttatt 392280  
 catttattca ttcatccaat aaacattaat caagcatcta taatgggcct agtagtgttc 392340  
 tagatatcag ggtcacagat caagtgtcct gcttttggg aggttatgct ttaataggga 392400

aggcagaaaa taaacacaga agcaaaaaaa aaaaaaaca actaaaactg aacaaaaata 392460  
 aacaaaaaaa atttcagaga cagacagggt attaaaaaa ataagtaagg caaggtaag 392520  
 agatagtgtc ggagttagta tgtgtagtct tagtgacacc tcctctcact catagccttt 392580  
 gccacagcct ctgctgccc gcataggctg cattctaaca catatcaaac aaaactcatg 392640  
 glgaaagtta atggaacaaa ctttaacaaa aagtaggata attgctcaaa aataaattct 392700  
 gctctctgat catcttgta taaaagcttt caagtgcga tttttgtgga atggaggcag 392760  
 tggcaaaatt gacccatatt ctgtttcaaa gctatcaatg tgtcaaacgg ttggccccag 392820

caggcggaga atttctgcaa actttaagga aaaacatctt ctggattact tagtgtcaca 392880  
 acatgtgtcg gaatcagcag ccaatcaata tctccatcgg cacgtatgtc ttctgtgtgc 392940  
 ggtaaacatt accccacatt gactgagaat ctccctaact gccagggcta tgctaagtcc 393000

caagatagaa accttttggg gtctgccctc cccaagctcc cagccagga ggaacaacag 393060  
aatcacaca taaaatacga aagacaatgt gggcgcagtt tagtgtgtca ctttttttct 393120  
tctggttttc atttagcttc cttaatgttc ttatccctg tcataaagtc tctaaggacg 393180  
ctgtattctt tcctaagacc aaggttatit cacaatttca cttcttggat aaaatgaaat 393240

tttcttagc tactgtggct tggtacacca ttgagattac aaattgcgta gctgggaaac 393300  
atgttagaat acaaaatgca ttatcataggc tggaaaaaaa attagccttg caaggctggg 393360  
caatggcata taacttgaac taatcattta tccaagaggg gattcacaga caggctcacc 393420  
tggactttaa aaactatttg ctcacctcac ctgtttgtga gagttaagt agagaggggtg 393480  
agacagctct cctgtactt tgaaaagccc tgtacagtga ttagaacaaa aacgatggct 393540  
ctacccttac agcattactt gatggtgcag agattcaca agagtggagc aaagaaggga 393600  
gattggaaat gcagtctcat gaaggtagg acaaaactct aagaccactt ccaacctcct 393660

ccttgaagaa gtggattaat acacaggcaa ataaatttac atgaaagcct tccaacctcc 393720  
cctctgaaag tctccaatta aaactggctt aaacatccac atgcaccgtt attggccaca 393780  
gttttgcctg tgaggggaga gatgagagga gtgtgtgtgc atatgtgtgt gtgtgtgtgt 393840  
gtgtgtgtgt gtataaatat atatgcata gtaatatata cagtcaactt acagtggag 393900  
aggaagtcc cctcttttta aatcatgatt gtaagtgttg tgggggatgc acaaagccta 393960  
tcatttatgg tgaaggaata aaactgtttt ggtcttatta caactctact aagaaaagat 394020  
tcctgaattt ccaatgctc tgccttcatt ttccaaatgt ccatcaaaaa accctggagc 394080

ttcactataa tgctatcgcc tgggtctatt ccacagaatc atctttctat gattcaattc 394140  
ccatgcaatg aatgttccca tcatcagctt ccatttccaa tactactga aagctgtaga 394200  
ttctgaaaac acgtccatat aatttaacca ctccaaagtt tctcataac attgtgtgac 394260  
tacaagtc tgttccagct ttcaatgttt gtcttcttca acagtatgac aatacttggg 394320  
tggtgtttgc ctgcctttta aagaaaggca cactcagtag ttttcaatat cgttttcaa 394380  
aatggttcaa gcaatatagg gaaagacatt taagaattta aaactaaaa agctgattct 394440  
aatgaaatta ttaattcaaa tataactctc attttgatgc tggactccat gatgcttggg 394500

ctgatgtcc agttgcggcc ttctaatgt ttgagaaaat taggtccaca taaattgact 394560  
acataactc agagaagatt gtttaaaaa aaaacttga ctttttctc catttaata 394620  
gatgccaggg tagtttttat tcttagttc taaattaatt tcatgcaaga agaaaatgtg 394680  
ggttagggc aggcacgggt gctcacacct gtaatcccag cactttggga ggccaggtg 394740  
ggcagatcat gaggtcagga aatcgagacc atcctggcta acatgggtgaa accccgcctc 394800  
tactaaaaat acaaaaaaat tagccgggcg tggtagggg tgcctgtagt ccgagctact 394860

caagaggttg aggcaggaga atggcgtgag cttgcagtga gaaaggcgga gcttgcagta 394920

agctgagatt gcgccactgc actgcagcct gggtagacaga gcgagactct gtctcaaaaa 394980

aaaaaaaaa aaagaaaaga aaagaaaaag aaaaaaaaaa aagaaaatgt gggttgaatt 395040

ggaaaattca ttggacttag agccccagcc agggttctga aggaaggttg gggaaagcca 395100

atgttcggct gccatttatg agttcatggt gatgcatacc tagttgcttc ttgttttaag 395160

ctctatccca atatgcctat gccttcaggt gcactcaaag tccaatgtgg cctaggattc 395220

aggtttcgaa actcccaaga ctttactagt aaacttattc ttaccatagc tgttcattct 395280

ccacctgaag aacaggatgt gggggagggg ctgtcataac aaacagagat gaagcagaca 395340

aggaatgtca cgigcattat gttaaaaatc aaaaccctc ctctcttgaa tagcaaattg 395400

aaattgatct gatttgaca atagcctaag agcacagagg cctcaataca ttaacaagtg 395460

aacattcaaa ggagaatgga gccacattaa agggattcag ctgctaccag gacttgtggt 395520

tctgtaaaat ccaagagtca tggttccaaa gttaactcca gtttgtatct gtcagccct 395580

tctgtgattt ctcccatgcc caaggaacaa ttaaatgcgg tctggaaaca tgaagtagag 395640

aaccaaggtg acaggtcat caacatagtc atgaacccaa aacctagca ccaaagagg 395700

actttcatgc ttcaaaagaa tgtgtgctgg gaagaacata gggtatgcat gtgcactcat 395760

tcattcagct caggctccat atctggttgt aaaccatttg ccctaaaagc actgtggtat 395820

ttaaaaaata aaattttaaa aacttgttta gtcttcatcc caagtctatc agaatccagc 395880

ctctaccct aagggcagtc acaacaaaga caactgactc tttccaagcg gggacatcat 395940

gggcagacat ttctaagagt gaagtgcact tatatatagt atacagcatg gactactgtc 396000

catgtgtctc aaggatcat ctgcctataa agagatcaag aaatgtcact gtgtttaagg 396060

caggctactt gtagtacct cagctccca cagttattcc ttcaaaagac atgccttatg 396120

tatatatctt agagtgtga actctgaaaa gataaagcca atgtggttta atttacctgt 396180

cacaggccca gggcaggatt ctagaacctg tggctcttta ataagtaagc cgtgagcaaa 396240

aataactcct cattttcagg tcaatttcag ctggcatccc aatcacaat tcaaacaaaa 396300

ttaaaacaaa caaagggtt tccgtggaat taaattctgc agcagcatga aatagtattt 396360

aataaaacaa ccaacagaca ataatggcct ctttaaaatt aatgcaagat gaggacttac 396420

aaacatatgg gacttattta gcatctgctg tgagattgaa aagctcatca aatggactt 396480

ttccttctcc ctccactcac attagattt atttgattc tgctacaaaa gagatagcat 396540

aatatgtcca agtggatctc cttattcaca aacccaatcc tgttctcca caatcttate 396600

catctaccca gttgctgcag ctgaaaagcc acatgccatc cttaatgtgt ctctctcttt 396660  
 ctgctaccac atcgatcaaa tcagcgagtc ttgatgata tttacaaat ctatcccaaa 396720  
 tccatttact tctcccatc tccactgcaa ccacatggt ctaaaccaga gctgtttggt 396780  
 tgaacttttt tttttttgag atggagtcct gctctgtcgc ccacagtga gttggtgcgt 396840  
 ctggtctcac tgcaagctct gcctcccggg ttcacgcat tctctgcct cagcctcctg 396900  
 agtagctggg actacaggca cccgccacca cactcgacta attttttgta tttttagtaa 396960  
 agacgggggtt tctctgtgtt agccaggatg gctttgatct cttgacctcg tgatctgcct 397020

gccttggcct cccaaagtgc tgggattaca ggctgagcc accgcgccg gccttgaact 397080  
 ttttacaata atggagatgt tctatatgtt actgtccaat ctggtagata ccaccacat 397140  
 gttcctatgg agcacttgag atgtggctag tgcaaatggg aaaaaactga ttttttatg 397200  
 tttattaatt ttgaattaaa tttaaatagc cacatgtggc taatggctac catattggac 397260  
 tgccaactct cagtcacat cactttctc ctagtctctc acaagagctc ttcacttccc 397320  
 aaagcccagc tgatctttta aaaatgtaa tcacagctcc caactctaaa cactttcatg 397380  
 gctttatctt ccacagagca ctcataacta tcaacaattg tctttctct tcttttattc 397440

tttctcttt tctagaatgt gagcctcatg aaagataaaa ttggtcatta ctgtatccct 397500  
 attatctcca gcattgcctg gcatataagt aagagcccaa tgaataaatg aatttagaac 397560  
 agaaagcaat gactgattta ccacaactct ccactaatgg aggtgattag tgaatcctcc 397620  
 aggaatatag ccaaatgctt tgagcttctg aacctgacat gccagtaggt tgtcctgaga 397680  
 catcatgtc ctcttcacg gtctccctg tgaccactga cataaacgag acctgaccaa 397740  
 catcaagtac ataggctaga gacacaagat ttaggtcttc aaacaatctt agcatcttag 397800  
 gagtgccatg ttttaactta gaacttttta aacctgtat tcttactgtg gtatgacaag 397860

acaagggtaa tctggacact cacagcccc aggcccatg actgcatcct ctacaaatta 397920  
 tatccattta acttagtgta gtatacaaat gtcactgttt cctatgcaca tcaggataca 397980  
 aaaagggtta agaagcactc taaaccactg agcctaccct caataaatgt gaccaaacc 398040  
 agcaatctca aacgatcatt caaatatttg gaacacagtc acatctctca tacccatagt 398100  
 gaacagaaag aaagataaaa taccctcag tcttaacttg atgttagtta aggcggtcac 398160  
 tattctgagc atctttcaat gaaaaaaca tgaatacctt ttttaaaaa acccacaat 398220  
 agtgcaactg agctgggagg aagtgggggc ttggctggt atcggcagca cgtgcagcag 398280

gtccacgcag agcaaagcag ggggtggagcc tgtccagctg ctacgtatct cctaggtctc 398340  
 cctgtgaga gagcctagaa gcaatgacac cttagtagca ataagcacac ccagcactca 398400  
 gatcttgggt tctaaatacc actgtccact aaaagtaacc acagctctct gtggaaatgg 398460

ctgattccag agctaaggca agaaagcagt ggatgagctc agaaaatctt tttgtaccaa 398520  
 aaagtaagga attgatcaaa gaataataag gacattttta taggactcaa caggctgcat 398580  
 aaaagggtc cactgacta aacagggaca tttttaacat caaaataact attgataaca 398640  
 atggactata atgcaatgaa gtaacagtaa aaatccatga catattatat aaataaataa 398700

tctttctaaa actttgtaat agtacaacca ataaatttag aaagaatgat ggagttagaa 398760  
 aatgattagc ttttatccta agagcagagg gtaaaagttt gatgagcaat aagatattta 398820  
 aataatctca aaatagcttc acatcaaaaa cttattaatc acttgtaaat tcgtgggcac 398880  
 gaaatcttta ttaattaact tcacagtaga gaaaactggc acacagtatc ttagccaagg 398940  
 gatagaagtt aacaccacca gcattagaca gattgatgcc cactgatgta atgcactgag 399000  
 aacatacatc atgtctgtgg tatttctgcc caaagtatat agcctgggcc tcacatgag 399060  
 gcaacatcaa caaagtaagt ggcaagtctt caaaaatgcc aagtcaaact gggcatactg 399120

aggcatgtct ggagtcccag cgactcagga ggctgaggca gtagggttga gccaggagcc 399180  
 aggggttcaa ggccagccag tgcaacataa gtgagacccc atttcaaaga aaaaaaaaaa 399240  
 gctatcatca aaataaaaaa taaaagactg aggaaccatt cctcattaaa agagcctaaa 399300  
 gagacatgac agcaacaata tgtgtctcaa attaaccagg catggaggta tggacctgta 399360  
 atcccagcta ctcaggaggc tgagggtgga ggatcgctta agcccaggag gtggaggttg 399420  
 cagttagcca tgatcacagc actgcactcc agcctgggtt acacagcaag accctgtctc 399480  
 taattaatta attaattaat aagtgtttct ctgggttga tcttagtgca aaaaggaaag 399540

ggaaaaatag aggatatctt ttttctttt tcattttcta ggacctacac actgaagtat 399600  
 tttgaggttg taagacaaaa tgcctacaac tcactcttga atgattcagc aaagaaacgt 399660  
 acatacatc atgcataggt aaaaactctt gtcatttttg aagagtagaa agagaaaaatg 399720  
 ataaggcaga aatgaggtaa aatgttaaaa ttcagggaat ctgggtgaag ggcataatggg 399780  
 aattctttat attattctta aaccttttct gtaggtttga aattatttaa aaatttaaaa 399840  
 cttaaccaaa aatataatgg taacaaatga aaagaaaaag aaataaatta ttttttactt 399900  
 ggcattttct tggaacttc aaacatgtgc aaaacacatg tatcatgcag ggtccatgaa 399960

ttagctggaa aatattcttc tccattctc cttagatgaa tggaatgta aagatcaatt 400020  
 agtgaagcaa gaggttcga aatttctcta gatttaattc agatactga ctgtattttt 400080  
 ttttcaagtc cccctttta tatcaaagaa tgtctgaata aagaactacc agtgtatgga 400140  
 atggaaaatc taatacttgc ctttggttac caggggttga taccagaaga gaaaggggca 400200  
 aagataacat atggaaacac attacaagg agcagaaatg gtggagaaaa gcaccgtgtg 400260  
 cctccaatga aagaaagagg ccacaacttg tccccagttt gagacaagaa ctaaaaaatc 400320

ttgcctttca ggccaccata tctccatctt ctatgcaaaa tagttatttt gggatccatc 400380

tgatatggcaa atccaggaag acttcatgcc acttatttaa gagtctgggc tccatcctat 400440

gtacagctct gcaaagcatg ctgggaccgc atcagctgcc tgtgcacaga accagaaagg 400500

gaaggagaag ctactttggc tcttgagttg aagtttagcc acagacctca agggagcatc 400560

cagatttate tggttttgac cattcatgct gccagtaaca cctctggact cctttcctcc 400620

ctccctcttc tcaccagggt tcatgagat gatgagtggt ccatcacttt gtaagctcta 400680

agtgtgtac agctataggc cattatgtac cacagcttct tactaaaca cggtagcaaa 400740

gtacaccttc ctctttctct tctctattg caaccccaaa caaaatacta ttctctctac 400800

caaagtccct ccactacct gcttatttaa caaattctct ctgcatcaga tttctcataa 400860

ctcagttctt ccagaaggcc atatgtgat tcatcttagg acctagaaaa tggacaggca 400920

agaatgagat gcttagaate ggcctacct atccccctgt gtttacctga ccttttcttt 400980

tgtgaatcac ttaacctca ccacctaca taaacataaa tagaccagc caagactttg 401040

cttaacccca tggctactgga gtttgccaaa tgtttcaagt cacagtgtca ttatctaata 401100

tcaagtgcgt gcacagatca ctaattttgc aggcaagtgt ttggatgtga aggtcaaaga 401160

acagtgtctac tgtaagagga agaataaaaa catcaccag actagatatg ggcagcacca 401220

agtcagagg aatgcattat actttaactg tgggtctgca ttttgtgtct taacaaattt 401280

gtttagcaag tgcatatgtt tgagataaaa gacatcaaat tcattttgct gtcagtaaga 401340

ttctagcatt ccatttctgc ggctgaaatg ctatttcacg aagctgcact gagcagaggg 401400

aacggggaat aatggattat gctctgttct gcttatctca gtagccttca ggtttactcc 401460

tttaactgtt gticcttagg gaattaggga acaaacagca ctcttaggt aggtgggat 401520

ctttcaaga aagagaaaga tcaatttttg agtacagaca tctccacac ctacacttca 401580

caagcagaaa cttttcata tttatgaagt gtctatgaga taatctggtc caaatttttc 401640

attttacaac ttaaaaaatg aaatgacagc tggaaaaacg aattgaacat ccgactgcc 401700

tcttcttct ctccacccca gcacattgcc acataccttg aagttggagt aagaagactc 401760

aggacttact accacttcta ctgtgtcact ttggacaagt tatttaatct ggtgggtgag 401820

aaggatacac agcctaacac tgcttctaata atttacattc tacgattcac tcccctgaga 401880

ttaaaagcct gttaagtgtg cctccctcaa agactcaatc ggattgcctc acaaacaaac 401940

catacagagc caagtttctc taatatttct caagccact gcctcctct ttagagacc 402000

cacctttatt ttctctagaa cctgggtccc ctgtttattc tcagggttga tctaagttcc 402060

ctgatgaaag aagtgtttta atcggcctct aaaacaccac gtgaacaacc actactcaca 402120  
 ttcgaagtca ctccccatga atgtgagcaa acaagtttgc tagaaaagct aacctgaaac 402180  
 tcccttaggc ttctggccaa tattttttaa ttccacctat gtttcaaat taaggttttg 402240  
 gatttttcta ttigcttaaa atactgattt ttctacatt ttctggtttt gagtactaag 402300  
 gatattttat gaggaggaac atcccaggca gtataattac aaatgtcggg aattctacat 402360  
 gtgaagacct gttctctaataa aaatttctga tccaatttca ctgttgttcc tacagtgaaa 402420  
 aaaaaacaaa caataaaca atacggggaa aatgccatca aattcaacag cttctacact 402480  
  
 tctacaaaaa agatccagaa aaaaaaaaaac cccaccagag taaactgcta aactcacaat 402540  
 tagaaacatg ttgaaagtgc caaatggtat ttatactgag acaaagaaag ctgcaaatac 402600  
 acacacagtg ggctcagagc aaactgcgca ctctcacttg gagccccctg cactctgatt 402660  
 aaaaccacaa ttataacctt gagccttcac tcaactccta tagggctcag ttctctcact 402720  
 tagaaaggaa agtgattgac caaggtgac tcagagaata ttccagctct taaaaaata 402780  
 ttcaatcgtg atgataacca agtaagtaac agcttgctaa caaactgtga ctatttcaat 402840  
 gatttgcata ctggccgtct cactggtgac agcttccaaa ggtgtatgaa tgtttacat 402900  
  
 tgagatgttc tggagatgt cgttcatcat aactgtcct ctttatgagg actccctggg 402960  
 aaaatcacta tcttgtgtct catcattagg aagagtcttg tgcctcacta tttaacctta 403020  
 tggacactaa gattctacac agctgattgt ttctcaccg cattggctac aggaaaaatc 403080  
 agaaccacaa ctctggcaca cctctagcaa atggaacagg gcttacgaga cgcattttga 403140  
 gtcttaactt caccctttgt tacatccac ttctcctct cctattcccc cacttacctg 403200  
 ttttctatct ttttctgttt tttttttttt atttctatct ttgaaagctg cttttaactg 403260  
 tttttggaac aaaggaagta ttccaagcta ttttcattta ctgacatcaa tgttgacag 403320  
  
 caaaatcatt cttttagtg cttgcacttt tcaaactg tcaatatacc aaccaatgta 403380  
 atgttctggt atacataatt ctatgccaa atttagatca cgattatcac tatgagtatc 403440  
 gttatcatta ctacaatatt tttaaaactat aataatatac tatttatata gatcttccta 403500  
 ctatttttct ggtaagcctt cacatttgca atctcatttg acttgacaaa taatcacacg 403560  
 agatagttaa gcaggcatta ttacggctgt cttcatttct acagataagg aaaatgagcc 403620  
 tcagagacgt taaggagctt gcctatatat acaaagtgg taagttaata agatgagacc 403680  
 agtttttttc ttctaagctt tgcattttcc cctacaactg caaaaggttg actctcatat 403740  
  
 acttcgctct ttaaaatttt ggcctaggac ctgtgactca aatgttttat ttagttgatt 403800  
 ttctaagtag tatagacctg ctatgcaaaa ttatacaatt actctttggt aatggaacct 403860  
 ctgcatgatg agaactagac agccaagaca ctggaaaatt ttttaacat tagaaaatgc 403920

atgagtaatt tatttctcc attggaattc agt gatggca ttaagaaaac tcattcctgc 403980  
aacctaacga ggaacataaa tgctttaatg tggctctgcta aagtagtcac acagagtaaa 404040  
actgcctctt gagt cactat aactagtaaa accatttagt agtagaagat gaaatttaga 404100  
caaggcaggc taaagagaaa agctaactaa ctgcttctta atgatgagct cacggtiactt 404160

caaccacatc taagggaag aatcatgaag ttcaaaccat attaatttcc aagtcattga 404220  
cattgcta at gtatgagagg gtgaaatgtt gacaacttga actcttgaga ccttgaataa 404280  
accagagtct attcatccta cgagtcatga atttgagaag taagggaag actgcatatg 404340  
caatttttct gagttttaat ttcttcagg gaaatgagga aggagaaggt caaagcaacc 404400  
cacaacattt tctaactcaa cattctatga gtgcaagaac acttattagc gccacctacc 404460  
tgaaacgtta tcattttaac actggccaga tttttaa attgccatgt aatatgtggg 404520  
taataggtaa tgttccagca catttaa atc gtatttcagg aatctgaata ttttcttta 404580

atcaacttca aacatacgtt ggttttaatt actaatcct gcctctgaga cagtcacatt 404640  
cacaaaagt actcttctca acagataacg tattggatac tcaaattaat tctgctttcc 404700  
aatatcttga caataagaag gaacagaagt aaactgacct cttgcttggt taattat ttt 404760  
gttcttattt agatatagcc tgcattcttc ccaactaaac tataaaactc cgtaaagata 404820  
ggtc catata catcttttta acaacttcat actcagtatt tcgcatgttg tcattataat 404880  
aaatatatgt tgaataatg aagaaactac caacagagac aacatctgaa actcaaacag 404940  
aaagacgagc tctcccaag agaaagttag ggtgtgctat gctttggctc aaactccgcc 405000

tcacagaaac aacccgacta tgcctaagg gagggaatg gtaaggtgga gctaagcaga 405060  
ggtaaagata agaaaatgat atggcttctt gcttcttct gaagtagaac tctatagcat 405120  
tgcttcaaag tttggagata gcaaggctc aagagaaaag ccaagtctcc ttagctggct 405180  
actccttate tgtgtgacct taggcaagtt acttaattct cctgaatctt ggtttcctct 405240  
actgaaaaat gagtaaggag taacaatatt tatcacataa gagctgttgg tgaggacgaa 405300  
aaagacagt gatgcaaagt tatctgttta caccatggcc tcagtaagt gtggcaatta 405360  
ttattaatta gtttgagta aattcctgga aaactgaccc atccagtttt aaagggaatc 405420

agaattattc atgcttaaga ggtgcatagc tgatctcagc catatagaga taaatctggt 405480  
gagaactagc aacaggagca tcttggaag gaaaacaaga gttcttgc at gcaaggggga 405540  
agcctggtgc agggagcgt ctgtggaaga atgacacagc agttctgggc ctttgctttg 405600  
cagatgggca cgggcacaga aggaggcact ggagcctcag gtcttgctgc agcaactggc 405660  
aacctaagca agcacccta gttttctctt cctccctcgg ttgggtgttc catcctgagg 405720  
caggttattt tacccgtcc tagaaagaca ggacagaatt tgccacactc ctaaagatgg 405780

ttctgggtca cgttatgtta ccaaaaaaaaa aaaaaaaaaa gtaagtaagt tacgcccaca 405840  
  
 caatgatagc cttgaaagga aaattaagaa aagctaccga aggtttttaa gcaggactta 405900  
 tggaagaggc agtgactttc agattgtatt gatctctctg atatggagct ccatcctagc 405960  
 acaaaggcaa aatatggggc cgatcagtat tctctgggcc aaagaatact caaaattctc 406020  
 tgtgtgctgt agtaattcca tgtgagtatc tcctattgac tgcaagagtg acttgaatcc 406080  
 tggaaaagcc agtaactgca agagctttca ggaactctgg aatgtataaa gtcttgggat 406140  
 aaagatatac agcagacctt tccgggactt ctgtaagacc aaaggttcta ttaagacaga 406200  
 aaccaacat attatcatgg gatgaaacca ctgcataaag tcaggtgaag ccaaggagct 406260  
  
 ctgaactccc ttgaggaagg aaaagcaagg gagaagcaat tctgattcaa ttaaaaaaca 406320  
 atgctgctaa gggcataga atgaaatgtt cttcacttcc catttccaag ttctgtccag 406380  
 ggaccgagg gacacaggca aagaaatggt ggcatcggaa tgtactttgt gttgaaattg 406440  
 tttgggatca cataatttgt tgggatcagt acatgtctaa cttagaaaac tttgatgagc 406500  
 cccactgtat ccatttctca tctcaaacc aggagaattt ctcccatac ttataagaac 406560  
 aaaaggaag gggccaggag aatcacacag ttatcaagtg atcagggcct tgtgttcagg 406620  
 gaatacaaat aaagcaaatt ttttgaaaga caaaagggtt aagtagaat tcataaagag 406680  
  
 aagtctaagg tggcaaaaaa aaaaaaaaaa aaaagaagaa gatgggaacc gctctcatga 406740  
 atgatgatga atttagtttt aaaatgctgt tttaaagtct gacgggacct ctaggcaca 406800  
 ctgacaaggg agtatagggg aggagtcggg gctgagccgg agaggggctg tccatgcgaa 406860  
 tgtaacaggt gaagctctga gagtacataa cctccagtg caatgataca ttctcatatg 406920  
 thtagccaag accaaatttc taccacgata aatctcaaaa ggatgcacct gcaaagatct 406980  
 actttgtata taaaatcata ttcatcatta taaaatctca tgtattaact aagtgtctgg 407040  
 tctcattaga tgaagctgca aatacagcca gggcaaggga agagctgtag catcgagta 407100  
  
 caggtaccgt tctacaaagt gcttcttaat ccctatgta tgcatgtatc catgtgcaag 407160  
 cctctaggcc ttcaggtaaa cacatctttg ctcttaataa tctgtgaaca caatatgaaa 407220  
 tgaaaaatga tcaaatgat gatgcttctt ctctacatac agcccaaata cagaaattgc 407280  
 tgggtgccacc tattgttgaa aacacagaac tgaagagcca cacagtggaa ctctgctctg 407340  
 ttatctctct gagtatgaag ttccaatc taccaccag aagggccaga gaaagagggt 407400  
 tcatcctact ctaaaataa acaaacatgt catggacatt aacaactcct acataatgct 407460  
 ttgttgagta cagcaagatt ctagcaatag ttaactgttt taatgtaaaa aatcatgagg 407520

cagttttgta tatatggatg gggaatgagc tccaaaatta gttgttaggt gtaaaaaaca 407580  
 aggttcataa cagtgcgtat gatatgctac cactgaggaa aaagtaata tccatgtata 407640  
 aaagatgtga ggaaggatac atgaggggaac agcaacattg gccatctctg aggaggaagc 407700  
 ctgaaggcat gggctggaat tagagagatt tgctttcgct gaaatcgctt tcactttgtg 407760  
 caaaaatfff accatgcgca catactttca aaagatttta agaataattg ttttaaagat 407820  
 aaatactaata tttgaaaaca atagttaata ttaaactatt gtacataaag aaagaattgc 407880  
 aagttgtcta actttggttg gttagcatga ccagagtctt ggatctgagc aaaagagcac 407940

aacctactgg aataacagaa aagttatagt gggtctttta aagattgtaa aggagggctg 408000  
 gagaagtgtc tctgcacag tgttatcctt aaacgtaaag tattcacggt acatttaaaa 408060  
 gtgccctgaa gcacggatat tttctggttc tctggattta ttaagatgaa gaaaaaata 408120  
 tttccagttt tattaacatt tgctttttta agagctttga tataaaaagg tttttattac 408180  
 aatattactt cttattcaaa agtaaaagaa agagaactct aacaacacat gaagctcttt 408240  
 cagctatfff ataacacata taaaagctaa gtggaaattt atacttgaat acacatcaca 408300  
 tcaaatgtca catctctga aaattgggtc ctgagaataa tttctgtaaa cttacttatt 408360

tcttaataatt attctcccta gcttgaata aactgatat ttacactgaa ggtggagctc 408420  
 tgaaatttat tctgaacatt gcccaatcaa ggtaacacta ggaagaaagt aaatccctta 408480  
 atttttgaag aaactttgga agagaaggag gaaaggacag gagacagcaa taaaatagtt 408540  
 ccttggcatt cctggggaaa ggacttcaaa gaaaggccga cgggccaagt gaaatggtat 408600  
 aggtcaggtc aagtcagtc tgtaagtcca agtccaaaa cagcccctct gatctaaaca 408660  
 catatfffat attgaaaatt taattttaaa aagtgaanaa cagtaagcgt catcagcctt 408720  
 aaaggccga taaatctcca ccaactaaga aagaaacaga aataaagaaa gtggggcgaa 408780

ggtcaatgaa ataccgaact gcaggccaga agcaggcagg ggcaacagag aactggactt 408840  
 gcgaggggta tgagaacca aactaccatg tgctagatgg gaaggagtc tggctcactc 408900  
 cttcaagcca aagactgagg tagggcctcc tcccttctct gaaaataccc agatagccac 408960  
 acatttgtaa aagaaagcga tagaaaatga tggaggacct attatttggg gccccagggg 409020  
 tatcagcagc tgtggaccta gaaaagaagg aaagaagtct caggaaaaga attgagtcag 409080  
 gttttctgct tactcgatgc atctgtgata ctgcccaagt catcacagag cagggaataa 409140  
 taagcaccat tataataact aattatggac tgcgcatggg gaaccagggtg aaagtaactg 409200

tgaaactaca aaagcatccg tcaaagaggg agaataaaag aaatagcata aaaagcaaat 409260  
 atctctcaag ttcaaatga acctgcaaac taaaattcca aaacacataa agaattctaa 409320  
 ttctaagaaa gccaaatccc ccatccaatt ataaattcag cccacatgaa attaatcca 409380

tagaacagtc atacaaagac tttaaaataa aaatgttttag agccaggtgc agtggctcac 409440  
atctataatc tcagcaactt gggagactgg agtgggatga tcacttgagc ccaggagttt 409500  
gaggctgtag tgagctatga ttgtgacact gcactccagc ctaggcaaga gaatgagact 409560  
gtctgtaaaa aagtaaaaaa taaaataaga taaatatgtt caggataatg agatgaataa 409620

agaagcatcc atttaacaa ttataaatTT atgaaaatta aaaagcagag taagaacagg 409680  
tagatataaa aaacaattaa gaatcttaga aaataaaagt acagtcaact gaactagaaa 409740  
aactcaatga atgagttcaa atctatacgt gacatatata aaatgaacag taaatttgaa 409800  
gataatggca aggagctgtt atcttacttt acctaaaggg aagcatggga gagaagagtc 409860  
tgttctctaa aattaaggtt cggttgaaag gctgtgaaga tagattggcc agctccaata 409920  
tatatcta atcaatttct gaaaagaatg gaaaaaaat tatgaagata caatatTTgg 409980  
agagatcttc cagaattaga gaaaaagtcc ttagatagaa agcatgagca ggagaaagat 410040

aaatccacat ctagatacat tatgatggaa cagaaaaaca tcagaataaa gcaaaactct 410100  
taaaggaaca acaattagat gcttaggaaa cgtcttaaaa ataaacgtca aggccaacaa 410160  
tgtaaaaatc ttcaaagttc taaggaaaac agctgtaaat caataatctt atgaccaact 410220  
aagtattatt caatcattaa ggcaaaataa gacattttca ggcatcaca gatcaaaatt 410280  
tttaccaatg taaacaatgg tcttactact cacagaccca tatggggaat attaaaggat 410340  
gtacttcaaa tgaacttaat ggaaggcctg caacaaagcc aatcaacaaa gccctgtggt 410400  
tgtcattatg ttctgttaa agccccacc tctgatccac aataggcaat ttgcccaacc 410460

aatacttttt ttgggtaacc agaaagcaag aaaaataatt tcaactcaaca tttagctttg 410520  
tataggattt gtataatttt aacttgctgt ttacaactc aaaaaaatat ttttaaaat 410580  
gaaacagaca ggactgggca tggagacgca cacctgtaat gccagcactt tgggaggctg 410640  
aagtgggagg actgcttgag gccaggggtt caagaccatc ctaagcaaca tagcaagatt 410700  
ctgtctctac agaaaaattt aaaaattagc caggcatggt ggcatgcacc tctgtagtac 410760  
cagctatttg agatgccaag gcagggggat cacttgagcc catgagttca aggctgcagt 410820  
gagctatgat cgtgcctctg tactcaagcc tgggtgacag aggcagacct tgtctcttaa 410880

aaaaaaaa aaaaaaagaa aagaaaaaaa aagaaagaaa caaagaaaca aagaagacac 410940  
ctacctttag cacaacactt caagtctcta tgtttactct gccatttact ggctgtttga 411000  
ctttcagcaa taigataact cctctgaatt tcaaagtgtt attgaaaata tagataataa 411060  
tctctgactt actggtttgt ttggaagtca atataaaaga aatttcttaa acattatacc 411120  
agtactagca acaggtagtc tactacaaaa caaaagtagt tattattacc attatcaata 411180  
aaggcttctg gaagtaccca taataaagat gaggaagttg gaggacacag aaacgttatc 411240

taatattaag agactatctg tgtcattcct attctttgtt tttctccta aaatgtccaa 411300  
  
 ccactagtca tatttaaata attggcacca agatctaaat agtggttaagt taaaaatacc 411360  
 cagggaactt tgaccatccc aaagagcaga ctgttaatct tattatacct ccagtggtag 411420  
 aatcagtgtg tagacaaaat gtttttgtat ttaagccagg ttcttctctg tttctagaat 411480  
 atcatctgct actccacttc caagaccatt actaccacca cagcacagca atgcttatat 411540  
 taataaggag gatgagctct aatggccaat tacataattt tgataccaac gatacaaata 411600  
 caaagggtgac atctttgaca tcttttccaa agagagagtg ttcccaggct gtctttgatc 411660  
 ttcaaacctg acagatgagg tgaacctga tgctcttggg tagctattgc ttctcttgtg 411720  
  
 atcatctcca ttcaaacc ccaagttata gctggccact gtcaccacag aaacctcaa 411780  
 tctaggcact agacaggccc cctccaaata ggcttgtact ttataccagg accaaactga 411840  
 aagttgaaat tactccttga tccttgggct gcagaaggga tgttgtgtta ccaatcatga 411900  
 aaacacatta atctccttgt acatctccat cagagctctt cagtaaccag gtgcattgtt 411960  
 aatgactagt aatattttga aggaaatctt tcttttttga gcagtaggtc tcaacagagg 412020  
 acttaaaata ctcagtaaac catgacgtaa agagatgtgc tctcatccag gctttgttgt 412080  
 tccatttata gatcacaggc agaatagatt agcataattc ttaaaggccc taggattttc 412140  
  
 aaaatggtaa atgaacctg gcttcaactt aaagttacca gctgcattag cccctaacaa 412200  
 gggagccagc ctgtcctttg aagctttgaa gccaggcatt gacttctcct ctgtagctat 412260  
 gaaagtccca gatggcatct tcttccaata gaaggctgtt ttatctacat tgaaagtctg 412320  
 tttagtgtag ccatcatcat cagtgatatt agttagatct cctggagaac ttgctgcagc 412380  
 tctacatca ccaattgctg cttcaacttg cctttttatc ttatggagac agcttttttt 412440  
 ccttaaaact cataaaccaa cttctgctag cttccaactt ttcttgtgaa gctccctcac 412500  
 gtctctcagc ctttgtaaca ctgaagagag ttagggctta atctggatta ggcttttagct 412560  
  
 tgaggaatt ttgtggtcag tatgactgtc catccagacc actcaaactt tctccgtatc 412620  
 agcaatgagg atattttgct tccatattct tcttgtgttc atgggaggag cacttctaata 412680  
 ttctttcaag aacttttctt ttgcattcac aacttggcta aatgtttgac acaattgggt 412740  
 ttagacatgc cttcctcaat aggcttaagc atttctagct tttgagttaa agtgagatat 412800  
 gtgcgactcc tcttttcaat tgaatactta aaggccattc tagggttatt aattggctta 412860  
 atttcaatac tgctgtgttt taaggaatac aagagcacia ggagaggag agagataggg 412920  
 aatgggcact ctgtggaaca gtcagaatac acacaacact tattgggttaa gtttgtcatt 412980

ttagtcttat atgggccagt tcatgacacc ctaaaacaat tacaatagta acacaaaaca 413040  
 tcaactgttca tggatcttcg taatagatat tataataaca acggaaaagt ttgaaatatt 413100  
 actagaatta tcaaaatgtg acacagagac atgaagtgag cacatactgt ttggaaaaaa 413160  
 tagtgccaat gcacttactc gatgcagggt tctacaaaac cttcaatttg tcaaaaacac 413220  
 agtatctgca aagtgcata aactgaagca aaataaaatg aggtatgctt gtatttgtgt 413280  
 gtttatgtt aatataaaga gcttaagtga cctgctcaag gtcattgcaac tatctcagaa 413340  
 aataggttta tctgactatg gacctcttag tccaagctct ttgctcccta agagtccta 413400

gagttggaag gactcaaaaa ggcatcgcca catacactcc atggcatcag tctgcctca 413460  
 gttatgcaag gaaagctgca cctcactgga cttataaaaa atgtgatgag ggagccaggc 413520  
 gcggtggctc acgcctgtaa tccccacact ttgggaggcc gaggtgggtg gatcacagg 413580  
 ccaggagatc gagaccatcc tggctaacct ggtgaaactc tgtctctact aaaaatttaa 413640  
 aaaaaatcgc tgggcgtggt ggcacctgcc ttagttcca gctactccgg aggctgaggc 413700  
 aggagaatcg ctgaacccg ggagcggag gttgcagtga tccgagattg cactactgca 413760  
 ctccaggctg ggcgacacag tgagactctg tctcaaaaaa aaaaaaaaaa aactgatggg 413820

gggagtcatt gattgggtta agttggggag ggtctctga aatatgtgca cagacagaag 413880  
 gctcatgcat gtgccaccgc ttaagactca aaatgcaact tttatcaact ttaagtttct 413940  
 aacgacttga tctcagtcac tccagcatgc tggattatg ttcagaaggt ttcttgagct 414000  
 gatttagtcc ttttggttaag tgccaacag agcagaagaa ttcatttacc cccagttact 414060  
 cctaccggtc ctgactagc accctttcca atagccagca gtcctctgt ctgtctctt 414120  
 tggaaacgaag gtcttctgtg agtgtgaatg tataaatgca agtgtcagtg tgtaaaaact 414180  
 ccatcggggc actgaagtat tcccaagct agaaaaaaaa atctgttatc ttggatgaaa 414240

accaagatca ttatcattta accactttgc tgtacttaaa catcaataat aacatggctg 414300  
 tgctctgggtg aaaactgatt aaagagaacc aaaagaaaga aacacaggac tgagtcaatc 414360  
 tcaactatgca gaaagcatcc cggcactatg atgaacttct ttttcaaagtg tgccaactg 414420  
 acagaaacaa cgatcacctc taatgaacaa aataactatg taaaagagat tctgagtatg 414480  
 gctcaagctg ctactgatt aacgcttttg cacacaacac tctacacaaa cctgtgtagt 414540  
 cattgttct agtaaaacaa gcctttgttg acaactggag acaaatgac cttgccgacc 414600  
 aagttcactg ttctcacaca gcttaatagc tggagtagtg ctccctggcc acagctagga 414660

aaacttgacg tggttgtcac aaaaaaaaaa aaaaaaaaaa aaagaaagaa agaaagaaag 414720  
 gaaaaaaaaa aaaaactaga gaagagggga aacctttgtt ctgaaggtga gaaggagcct 414780  
 gaatgatctc atgccctaaa catgtttgtg gtttacatca gtacgtctcc ttcattatt 414840

aaagttgtga gtttttaaat agttcctgct ccaaacaac agattgcaat acttaagaat 414900  
tcccactttt taaaagtatt tcccttttcc tcccttttcc acatgggttg ggaggtgaag 414960  
gatttaatat ttgtttttaa gttaaacagt ttttttgta cagtatttgc aaatattggc 415020  
tgtaactgta agctgtagag gcatacctca ttttaagaaa acctgggtgg aaaaaaatat 415080

ctgaaactta aagcacagca gtctaatttc caccacatga ccaaacataa ttcacttcag 415140  
ggttaccgtc aatgacaagg tcccacagt gcctcattta ctcataaata ttattgagcc 415200  
cccactatgt gtaaggcaat tttagggtgct gtttacataa aacaagatta attttattaa 415260  
agtttcatct aatccctaag ttttagggcc ccaaactctat tacataagac aatgcaaact 415320  
ggaaaaacaa atccttccaa ctgagactaa aacttccctt ctgattggca gatgcctttc 415380  
ttactttttt ccataacaat tcattaaaaa ttttttttg aaaccaggat gggtcagca 415440  
tcgtctcagg tgagaatcat ttccagttgc actaaatcta gggaatcctt cactctgtag 415500

cttcattagg cacatgtggc cactcttact ctgccatgtg gaaatcacag aaatgtttta 415560  
gaaagcaatt tagcaataag tataaagaat caccaacatg ttcacttcct tcactgattt 415620  
atttcaaaaa taatccctaag gaaataatcc aaaacaaggg aaaactgtat tatgtattat 415680  
agcaggttat ttagaataca gaaaatatcc ttcaaaataa cctaaaacgc ctttgaaata 415740  
atttaaatat taaaggcata gccggttaag tacagtacag tctctagacg gaatattaca 415800  
cagccacaaa aatgatgaca caacatgaag aatgaataac cactcatggc aactttacat 415860  
taactggaaa aaaatcagaa tgtagaatta agtctataat ataactacag gtattttaac 415920

ataaatatgc aaaaaataaa aaagtagtag ttttacctga aagatagatg aaatcgctac 415980  
ttcaggctca gtctactgag ccctagggca tggctgaaaa tctacaaatg gcatcattat 416040  
cattcaaaat gatagtactt ttttaacca gctgtttcag tgtagcactt tcattacca 416100  
attctgttac catttttacc ccaattccat aaatgtacat ttagaagtac agtttgtcaa 416160  
actgttgatt ctccactt gattcacct ctcatatc aggcatgcct tttgttttgc 416220  
agtattttcc cactgtttc atttgagatt aactttaaat tgagaaaata actactgaca 416280  
ggttcttttc tctcttctg ttttgggaca cactgtaage acattttgtc tttccagtt 416340

ctctccagct tcagcatttt atcagtttga tgtggcttta aacaactttc ccttccctag 416400  
ttaattcact agcccagcag ctgcaaggga caagatgaat cctttccatg ttcaccttat 416460  
tctcccttg agcagggact gtccagaact tctcagaat ttctacctag gaatgttcta 416520  
gaccagaaat tttcctcagg aatttctgtg tgccacctg tctgttct ataccagtga 416580  
gcacaaagtc aggagtaagc ctttaggacc actccgtaaa aaagcaactg ggacttctcg 416640  
ttcctacttt acataaagtt tattccctgc ccctccgcg tgcgcaaaga gcttctgag 416700

agaccgaaac aatgtggcta aaaggaaggc caaaaggagg gagtgatct cttaatagaa 416760

ctcagtatct aatcctcccc caccctaag ctctgccag aatagatgac acagaaggag 416820

aggggaattgt tgttttggtg gagaggaaga atatgaccgt gaataactc cattctatct 416880

gagaatgaga gactctaccc acatgagaga agatgtaaat catccccaa cattctaact 416940

tccttctga aatacaccta gacctagcag tttaacaata ttttaaaaa gtgccaata 417000

tgccccaac ttacagtgt aaaaccaccg tggctacctg aactcagaag gcccggtga 417060

agcaacaaa gaaagctta cctttctgg gaagtagaat aagtttgcc agtgttctct 417120

cagttcttca taaccaaaaa caaaacaaa caaaatttac tgagcacatg ttctgtctgt 417180

gtgtcattcc tcatgagtc gacaccttct tatccactat actgtgtgcc cacttgacat 417240

ctttcttcca gatttggtt taattaaatc ctccagcact aatgtccaa agcattccgt 417300

gagtcaagct ttcctgggg ttaagacttt tgaatgacc agcagagaga tggactctaa 417360

ctactaagac tactatagcc acagcagct ctgcagtac ttttcacca cgaggcagcc 417420

aattcaaac aaacgttgt tttgtccct gcagtagttt gctgagaatg atggtttcca 417480

gttctatcca tgtccctaca aaggacatga actcatcatt ttttatggct gcatagtatt 417540

ccatgggtga tatgtgccac actttcttaa tccagtctat cattgttgga ctttgggtt 417600

ggttccaagt ctttctatt gtgaatagt ccgcaataaa catacatgt catgcactgt 417660

tgtgggttg ggggagggg gagggatagc attaggagat atacctaag ctaaatgacg 417720

agttaatgg tgcagcac caacatggca catgtatata tatgtaaaa acctgcacgt 417780

tgtgcacatg taccctaaa cttaaaagta taattaaaa aaaaacaaa aaaaatgtt 417840

tcttaacca tagacgttca cgacttttt ttttctctg cgatgaggaa gatgaagtgt 417900

ttagactact gtattcgtat tccaatgaac gaacctagat tacaggctgc aggggtggg 417960

ctattcctag agacctagag caaactctac ttcattatta atgagaaaac atttgtgaca 418020

accatccaa cacatcagtc attgagatct tggatcaag gttgagaacc accatactga 418080

tgtgctctag ctttctataa attcaatgta acagaaggtc tacgcttgg aggtatact 418140

ggatctgaat aagtgtctaa aagattgttt ctgactttc cattacctac ttcctcct 418200

tattagattg catctaggac actaaatagg tttcattta aaaagaccaa cagctgatta 418260

caaagtatt tgaagctatg tctaaatgca gtagataaaa gaactgtggt tgattgtat 418320

catctaccac ggicattaga tttcaggagt gtttgcaat ggcaattgt atttctaac 418380

tctgtatcat tagacctta caggaataaa ggataacagc ccatctcaa actcatctgc 418440

cttattttag tcattattaa gttacttttt tctaacttca ctttttttac gttgaattat 418500  
 ttctgcaacc atttaacttg attttttttt cagttccaac tgaagataga taaaattata 418560  
 gtatgtaagt agtggacaca tattttatcc ttcttacaat taattcacca tctaaagcag 418620  
 cgggtctccaa cttttgtggc atcagggacc agtttcatgg aagacaattt ttccacagat 418680  
 gtgggggagg tggggggggg ggatggtttc gggatgaaac tgttccacct cagatcatca 418740  
 gacattagtt agattatcat aaggaacgca caacctagat cctcacatgg gcagttcaca 418800  
 atagggtttg cgctcttatg agaatctaac accagtgtctg atctgacagg aggcacagct 418860  
  
 caggcagtca tgttcaactca cccaccactc acctctgtct gtgggacca gttcctaaca 418920  
 ggctacggac cagcagcagt tcgcggtctg gggattggga acccctgac taaagcataa 418980  
 cttcaacggt ccatttctga gattttctct ccaaaaaaaaa actagtaaaa attataaaca 419040  
 agattacaag ggaagattac aagggggtac taatattaca ctttatcttc ttacataat 419100  
 caatataaat tagccttaaa atcacagaaa agtaaaaaag ttagaagaaa ttcaaataca 419160  
 agttggaatc ctaaaaggaa tgagacaact atgtaacata gtcctgttca tcaaataca 419220  
 gtaaaaccaa tattcaaaaca aaaatggata ctaggcttaa tagctgggtg atgaaataat 419280  
  
 ctgtacaaca aaccctcatg atataagttt acctgtgtaa caaacctgca catgtacccc 419340  
 tgaaattaaa ataaaagtta aaaagtgaag taaaactcca tataaataaa aattaatgac 419400  
 acaggaggaa aaaaagagaa ctttagatac tcttaagaaa atatgtatga gtgtgtgtgt 419460  
 gtgtgtgtac gtgtgtacat attttaaaact aattttctat tgaaatgaat cttaacgtgc 419520  
 atttattatc ctgttcttc aaaatactga ttgcaaataa acatctctcc ccaactggac 419580  
 aaaccacctt tatgattatg accttaccag aaaaacaagg aaacctgctt ctttgtgcac 419640  
 actctgaaat ctaaaggtag attcaactcc agactggatg aagtgtggtg gagtagacgt 419700  
  
 gaaaggaaag caaaggaaaa tgccctccaa gcctgaggca aaagatggtg tctcccaaag 419760  
 caattcattg tcagctcaac tctttttttg caagacttgt atttatgtt ttaaaataca 419820  
 aggcagagag gttgattaat gactacagat atacagttag atagaagaaa taagacctag 419880  
 tgtttgatac atcactaagt tgactatagt ttagaataat ttattgtatt tttcaaaata 419940  
 gctagaagag aataattcaa acgtttctac cttaaagaca atacttgagg tgatgtacac 420000  
 cccaactaca cccaactac cccaaaacta taaagattcg atctttataa attatataaa 420060  
 tgtattatca catatatccc caaaatatgt acagctatta tcaattttta aaaaaattt 420120  
  
 aatgcaaggg aatttaacat tatactcaca gcacacttgt gctttttttg tttttgttt 420180  
 tgtttttttt gagatacagt ctgtctctgt ctggaatgtc cagcttgga tgcagcagcg 420240  
 tgatcttggc tactgcaac ccctgcctcc tgagttcaag tgattctcat ttctcagcct 420300

cccaagtagg tggattaca ggcacgtacc accatgccca gctagtgggt ttatttttat 420360  
 gtagagacgg ggttttgcca tgttgccag gctgttctca agctcctggc ctcaaagat 420420  
 ctgcttgcc tggcctccca aagtgtgag attacaggca tcggccaccg tgcctggccc 420480  
 catagcacat ttgctttaat acagaaatca tattactgtt ctcttcttac atgttagaat 420540

aaaattatgc catatttate ctgctgcttt ggttctctca gcaatgaaaa ggagtgtgca 420600  
 ggggtgcccc aggagtctga gcaataaggg aaacctggct tgctgctgtg tatacttcct 420660  
 gatccaacct ggaccccatg aaacagctcc caccttggtc agttttggat aaacgctacc 420720  
 atttatggtt cccacaggta acacagggcc gtcttttate ttctaattct aggacatctc 420780  
 caggaagtgg gggaaaaaaa cgtgcccaacc aatctataga aaacctgccc aggtttggct 420840  
 attaccagg aaatcctata cttattgtc aaaaactgc tttctgagga acaattccct 420900  
 ttattcaggg ctctatagga atccagctgc tccctctgag gtgaaaccaa ccacagtggc 420960

attccaaagc cccacgttcc accaaacact gattccggct acctgctggg catgaccaat 421020  
 gcatactatg gaaccaccct ggctgaggga ggttgtctca caacaggctc cccataccca 421080  
 tgggttcta agatttaaaa ggtaacatgc tccctgtcct catcatggga cattctatat 421140  
 ctgtgcatat ccaataagaa gccactaact gcatgtggcc actgggcact tgaaatatag 421200  
 ctagtaggaa cagagggtgt ctgtataatt acaccacaga ttcagaagat ttgcaaaaa 421260  
 taatgtaaaa tacctcatta acaaatTTTT atattatggg ctgaaatagt attttagata 421320  
 aaaatgtatt acataaaata tattattaat attaacttgt ttcattttac ttttttaatg 421380

tggctactaa aatttttaaa ttatgtatgc cattcatatg tgtagcttac actatatttc 421440  
 tattagatag tactactctt gataagccat aaatacagaa aagctctgcc ttgtatgtac 421500  
 atcaatgagg ttttagtata ttccagatat tctacatga ttaatccttc aaccacttgg 421560  
 ttctacatta gagattccag ccttgggtct tcaaggcctt ccatcaccaa gaatcctctc 421620  
 ttgagaaaca accctaggga gactgacacc ttaatccgat tttggtatca aaccactta 421680  
 ataattaagg gagcttagca agctcatatg agagtcagat cttgtttaac ctgtgacaga 421740  
 gtacagtaca ggaaggagga agaggaagtg gccagaaagg atcagtcaga gtgattgagg 421800

tgagagggt tcaaaaaatc aactttccct ggtagtcagg tgatcccagt agacagaacc 421860  
 tccatataca tgtttacaca tgcacacata cagcacaca cacacacaca tacgcataga 421920  
 gtactaacac aggtatacac atttagtact aacaccaggg taatcttgaa aactgccaat 421980  
 gagaaatggt tctaagcatt ttaatttcgc attctctcta cttagtagat ttagaataaa 422040  
 gaatatatga aaagatgggt attttgctgg ttattttgct ttgggataat atagcctaga 422100  
 ccttgggaaga aagatttaat agccattttc aaatatgtga agggttatta cagagtgtca 422160

gaacatcatt gtggatcact aaggaaaatc aaaatgcctc cctggcagtt ttcctaaaat 422220

agtgtagcct ctcatctgcc tggaatggat taggtgtaat ccacgttgaa ggtgggaggc 422280

taaacagctg tcgagtttgt aactaccaca atgatttaca ttaggaagta aatcaaaatc 422340

cccacctaac ccacctggta caggaagatt tccttcatga ggtggagctt agaagaggat 422400

gtggaataga gcagggtcta catgactatt ccactttttt gtattacaac aaaatgaact 422460

tctttccctt gctgagaaca tctggccatt cctgccttc tccttactct cgcctcaacc 422520

cccatgcaca tacgtgcata caaacttta aaatttcctt tctgaattcc actcatcttt 422580

ccagccctaa ctaacattcc aagccttcca taaatccttc agggccacct cagctcatcc 422640

gtactctgta cccttttagt gttacatgca cctgtagatt aaattgcagc taaatctctc 422700

aatcaactca ccagaatagc tcatgtcctt cattgcctgt gtgaaacgta catggcacag 422760

taaatacact tggctaggaa gttactttct aatatgtcag tgtacttcag ctctaataa 422820

ttgacttgga tacttacaa gagtcattgt gtttgttccc aaacctgtta atgtcagaca 422880

tgcttatgac aggcgtatgc tgtagtatt tacataattt aattaaatat tacataaaat 422940

gagtacaaaa agaaagcagg ttgtttattc tgaactac attggaaaga gtttttttaa 423000

ggtgaactgc ttttttaaaa ctgctgctga atcagatgtg aggtagatat ctgttaaaga 423060

tctcaaggaa ttttttttct ttttttgag acggagtttt gctcttgcca cccagctgg 423120

aatgcaatgg tgcaatcttg gctcactgca acctctacct cctgggttca agtgattctc 423180

ctgcctcaac ctctgagta gctgggatta gaggtgtccg ccaccacacc cagctaattt 423240

ttgtattttt agtagagata gggtttcaac catgctggcc aggetggtct cgaactcctg 423300

gccttaggtg atccaccgc ctcagcctcc caaaatgctg agattacagg tgtaagccac 423360

catgcctgac cacaaggaat ttttaaatct aaaatgattc tacactcaag agtggtttac 423420

aaatatTTTT aagtctcat tctacgttaa agaatacttt taaattatag aagagttatc 423480

caagaaaaaa tgattgatgt agacccaag aagatcctta atcaataaa agatcttgg 423540

tctacatcaa aagactggta aataaataca catctagatg ctctaagttg ctgtaacgtg 423600

tctaggtatg tatgtatcac agatttatga cgtccactt gaaccatgtt ttcctaatga 423660

tctgagcaac aatcagtcga gatcatgttg gtttagaggg attctattgt tttttaggt 423720

atgtggcctc aaaccacaa tgattattat tatgtcttc agagaagaga ctgttggtgt 423780

ccacagccct cagcattcca cacgggatca agtggtttac aaaaggtaaa agtcacagtt 423840

gcctaggaat cggaagacc aaattcgggt gcgaactcat cacttgcca aatttcaatt 423900

ataagcaatt ttcaggttct acatgttata aaacaggaac cataacacta gacctactta 423960  
 cttcatgggtg tatgtacagg aaacaacgta gacaatatta gaaaggcaat ttgaaaaatg 424020  
 cgaagagcta tataaatgta aggatgtgca gtggatgcta aatacgtttt tcttaaatga 424080  
 gtgagtaaag aacaatggaa acaacaagc aactccctta gactccaatg gcacggagaa 424140  
 aggattgttt tgaaaactga tataattttc aatgtttgag gtgatggata cgctaattat 424200  
 cctgatttga tcattacaca ttatatacag gtatataaat accactatat cccataaata 424260  
 tgtagtact atgtgtcaat taaaacaat aataataata aagtgccctg tattgatgca 424320  
  
 aggttggcct gaacacagaa tttcaactga ctagcaaagt aggtaaatct cacaagtttt 424380  
 gctggctttt catatcttct attatttct cgggtattta tttttatttt ttcagactgt 424440  
 cttagcaaac tacataaat cagagaaaag taattctcgg ctgtgtttct acctcctcta 424500  
 tctgccagaa aaggaaacat ccattgtgag taggacccat ttcattcatg aggctaagaa 424560  
 gcaataaacc ctcttaaat acctatttca ggccaggcac ggtggctcat gcctgtaatc 424620  
 ccagcacttt gggaggctga ggcaagtagt tcaaggccag cctggacagc atgatgaaac 424680  
 cctgtctcta ccacaaatc aaaaattatc cagtctcata acccagtctc aaaagaaaca 424740  
  
 aattaacac aattttaaat aactatttca tttaatgggt tagtgatgct tttgctgac 424800  
 agcaatgaag agcctttgca tacacaaatc aacttatatg aagttagtca ctgccagag 424860  
 gaagaaacag gccactgata ttccaagaa tgtagacagg aagtagactt ctcaggatct 424920  
 tgtttaaggt aagatatttt cacaactca gaggtatgggt cttatacggc taccatttcc 424980  
 atgcattttc cctaagtac atctgcagtt gtttcaggat gtctaattgc tcccttaaaa 425040  
 cataagccgt gagtaatcgc ttgagaagcc atagccatt actgcagcaa agcattttcc 425100  
 aaactgagac tggagttcag tatccccact aactgtact gactcaagc agctacctga 425160  
  
 tatgaaatgg tgctaaagt atagtgaaga gctggtctca tctttacct cctatcattt 425220  
 cctaaaacaa aactgcatgt ggcctgttgi agcagctatt tggagtctt aaacgggttt 425280  
 ttcaagttct gttcttttgg acccctgaca taaaacttta aattgtgttt cattggtttt 425340  
 tatgaatatt attaatgaa tattgtccaa tgagataatc tcttattttc tccaggcttt 425400  
 ttcacattgt ttacccaac attggcaata aagaagatca agccagctca cagctagttt 425460  
 gatttaagca taatacatgt gtgaaaagt gttgaattgt ctgttcaca ttttttca 425520  
 agaacaactg agtttttaaa ccactctggg ttttaaaatc catggatggc tttgtcagc 425580  
  
 cctccttgcc ttggtcttcc tgagttcggg gcacacaaa agcgcgataa aagcagactc 425640  
 cctctgccat tcgtaagtat ctcaagtctc cacaagttt acatttcaca actacttgaa 425700  
 ttctcttaat agctgttttc cctatgctaa cagactcatc aagcagttgt ttttaaggga 425760

tatagcctta aagctgaaag tacggttggt ttaaaacaaa agtaaagggt aactcaaata 425820  
aaggataata atctcatggt aaaaagaagt acagaaataa aaaaatttct tatttacatg 425880  
gttaaaatta taaacagaag cataatataa agtatgcaa aataattata agaatagatc 425940  
tataaataca ccctctcatg caccctgtct catcaaatca aatttgcgca tatgttctgg 426000

gggttaacag actgtctcta aagcccatcc acagattccc taggaatggt cattcctgta 426060  
ccagaaatgt cctattaaaa tcagggacaa gaatgcttac tatcaccatt acaatttacc 426120  
atttggggaa agatacagac aattcagtaa gataaaaaaa caaatattta aatattaaaa 426180  
gaagtaacag agctattatt actttagat tatgatagta tactgagaaa atcccaagat 426240  
tataaacga aaaactaaat taagagaagt ttctcataa ttattttact tttatgtagt 426300  
acaatgtgat gttttgat atgtctataa ttgcagtga ttaaatcaag ctaattagca 426360  
tatccatcac ttcacttcat tgatactttt gtggtgatac atttgaaatt actctcagtt 426420

atattgaaat atacaacata ttattgatta cagtcacct gctgtgcagt agatctcaac 426480  
tactcttggt tagctgaaac tctgtaccct tggaccagta attcccatc ctttactcc 426540  
tctctaccc actgtctctg agaaccatta ttctctatg aattcaactt tttcttatt 426600  
atactttaag ttctgggatg catgtgcaga acgtccaggc ttgttacata ggtatgcacg 426660  
tgacataatg gtttctgca cccgtcaacc tgcactctac attacttatt tctcctaag 426720  
ttatcttcc ccagccccc cateccccc caggtccag tgtgtgatgt tcccccat 426780  
gtttccctgt gtctcattg ttcaactccc acttaggagt gacaacatgt ggtattgggt 426840

tttctttcc tgtgttgatt tgctgagaat gatcgttcc agcttcatcc atgtccctgt 426900  
aaaggacatg aactcaatc tttttatgg ctgcatagta ttccatgggt tatatgtgcc 426960  
acattttctt tattcagct atcattgatg ggcatttggg ttggttcaa ctctttgcta 427020  
ttgtaaatag tgctgcaata aatatatgtg tgcattgttc ttttagtag aatgatttat 427080  
aatcctttgg gtatatactc agtagtggga ttgctgggtc aaatggtatt tctggttcta 427140  
gatccttgag gaatcgccac actgtcttcc acatggtga actaatttac actcccacca 427200  
acagtgtaaa agcattccta tttctccaca ttctctccag catctgtgt ttcctgactt 427260

tttaatgacc gccattcaa ctggcatgag atggtatctc actgtggttt tgacttgcac 427320  
ttctctaag accagtgatg atgacattt ttcatgttt gttggccaca taaatgtctt 427380  
cttttgagaa gtgtctgttc gtatacttca accacttta gaaggggtgg ttatagatct 427440  
gtggcattat ttctgaggcc tctgttctgt tccattagtc tataatctta ttttggta 427500  
agtaccatgc tgttttgggt actataacct ttagtatag ttgaagtca ggtagcatga 427560  
tgtctccagc ttgtccttt ttgcttaggg ttgtctcggc tataatgggt ctttttgggt 427620

tccatatgaa atttaaagca gttttttctia attctgtaaa gaaaatagct tgatggggat 427680  
  
 agcattgaat ctglaaatta ctttgggtag tatggccatc ttcaagatat tgattcttcc 427740  
 tatccatgaa catggaatgt ccttcccttt gtttgtgtcc tctcttattt ctttgagcag 427800  
 tggttttag tagtctttga agagatcctt cacatccctt ctaagttagga ttcctaggta 427860  
 tttttatcctc tttgtagcaa ttgtgaatgg aagttaactc atgatttggc tgtttgtcta 427920  
 ttattgggtg ataggaatgc ttgtgatttc tgcacattga ttttgtatcc ctagactttg 427980  
 ctgaagttag ttatcagctt aaggagggtt ggggctgaga caatgggggt tcctaaatat 428040  
 acaatcatgt catctgcaaa cagagacaat tggacttctt ctcttctat ttgaacactc 428100  
  
 tttctttctt tctcttgctt gacttccctg gccagaactt ccaatactat gttgaataag 428160  
 ggtgggtgaga gaggacatcc ttgtcttggt ccagttttca aagggaatgc ttccagcttt 428220  
 tgccatttca gtatgatatt gactgtgggt ttgtcataaa tagctcttat tattttgaga 428280  
 tacatttcat cgatacctag cttattgaga gtttttagca tgaagctgtg ttgaatttta 428340  
 tcgaaggcct tttgtgcatc tattgagata accatgtgggt tttgtcata ggttctgttt 428400  
 atgtgatgga ttacatttat tgatttgc atgttgaacc agccttgtat cctagggatg 428460  
 aagccaactt gaccgtgggt gataagcttt ttgatgtgct gctggattcc gtttgccagt 428520  
  
 attttattga ggaactttgc attgatgttc atcagggata ttggcccgaa attttctttt 428580  
 tttgttgtat ctctgccagg ttttggtatc aggatgatgc tggcctcata aaatgagtta 428640  
 gggaggatc cctctttttc tattgtttgg aatagtttca gaaggaatgg taccagcact 428700  
 tctttgtacc tctggtaaaa ttccgctgtg aatccatctg gtctgggct ttttttggtt 428760  
 ggtaggctat tattgcctca atttcagaat ttgttattga cctactcagg tattcaactt 428820  
 ctctctggtt tagtcttgag aggggtgtatg tgtccaggaa tttatccatt tcttctagat 428880  
 tttctacttt atttgcagag aggtgtttat agtattctct gatggtactt tgtatttctg 428940  
  
 tgggatcagt ggtgatatcc cttttatcat ttttttattg tgtctatttg attattctct 429000  
 cttttcttat tagttttgct agcagtctat cagttttgtt gatcttttca aaaacctagc 429060  
 tcccgtatc attaatTTTT tgaagtgttt ctgtgtctct atctccttca gttctgctct 429120  
 gatcttagtt atttcttgct tgctgctagt ttttgaattt gtttgcctt gcttctctag 429180  
 ttcttttaac tgtgatgta ggggtgtcaat tttaaactt tcccacctc ttttgtgggc 429240  
 atttgggtct ataaatttcc ctctaaacac tgcttttagct gtgtccaga gattctggta 429300  
 cgttgtgtct ttgttctcat tggtttcaaa gaaattattt atttctgcct taatttcgtt 429360

atttaccag tagtcattca ggagcagggt gttcagtttc tatgtagtgtg tgcggttttg 429420  
 agtgagtttc ttaattctga gttctaattt gattgcactg tggctcggga gacttatgat 429480  
 ttccattctt ttgcatttgc tgaggagtgt ttacttcca actatgtggt caattttaga 429540  
 ataaatgtga tgggtgtctg agaagaatgc ttattctgtt gatttgaggt ggagagtctt 429600  
 gtaaatgtct attaggtcca cttggtccag agctgagttc aagtcctgaa tatccttgtt 429660  
 cttttctgt cccattgatc tgtctaatat tggcagtggt ctgttatagt ctcccactac 429720  
 tattatttcg gactctacgt ctctttgtag gtctctaaga gcttgcttta tgaatctggg 429780

tcctcctgta ttgactgcat gtatatattg gatagtttac tctacttgtt gtgttaatcg 429840  
 ctttaccatt atgtaatgcc cctctttatc ttttttgatc tttgttggtt taaagtcgt 429900  
 ttattagag actaggattg caatcttttt tttttttttt tgccttccat ttgcttggtg 429960  
 aatatctctc catcccttta ttttgagcct atgtgtgtct ttgcatgtga gatgagtcctc 430020  
 ctgaatacag cacaccaatg agtcttgagt ctttaccxaa tttgccaatc tgcgtctaata 430080  
 tggggcattt agccactta catttaaggt taatatttc atgtgtgaat ttaatcctgt 430140  
 cattatgatg ctagctgggt attttgccca ttagttgatg cagtttcttc agtgtcgatg 430200

gtctttacaa ttiggtatgt ttttgagtg gctgggtacca gtttttctt tccatgttta 430260  
 gtgcttctt caggagcttt tgtaaggcag gcctggtagt gacaaaatct ctaagcattt 430320  
 gcttgtctgt aaaggatttt atttctctt cacttaagag gcttagtttg gctggatatg 430380  
 aaattctggg ttgaaaatc tttctttta gaatgttta tattggcccc cactctcttc 430440  
 tggcttgtag ggtttgtgcc gagagatctg ctgttagtct gatgggcttc cttttgtggg 430500  
 taaccggacc tttctctctg gctgccctga acatttttc cttcatttca accttggtga 430560  
 atctgataat tatgtgtctt ggggttgctc ttctcaagga gtatctttgt ggtgttctct 430620

gtatttcag aatttgaatg ttggcctgtc ttgctagggt ggggaagttc tcctggataa 430680  
 tatcctgagg agtgtttta agcttgggtc cattctcccc gtcactttca ggtacaccaa 430740  
 tcaaatgtag gtttggctt ttacatagt cccatatttc ttggaggctt ttttcattcc 430800  
 ttttcattct tttttctgt aaatttgtct tcatgcttta tttcattaag ttgatcttta 430860  
 atctctgaca tcctttcttc cgcttgatca attcagccac tgatagctgg gtatgcttca 430920  
 tgaagtcctt gtgctgtttt tcagttccat caggtcattt atgttctctc taaacttatt 430980  
 attctagtaa gcaattctc taacctttt tcaaggttct taaattcctt gcattgggtt 431040

agaactgccc ttttagcttc ctccagagga gtttgttatt agccaccttc tgaagcctac 431100  
 ttctgttaat tcatcaaaat cattctccat ccagttttgt tccttgctg gtgaggagt 431160  
 gtgatccttt ggaggagaag aggtgttctg ggttttgga ttttcagcct ttttgtctg 431220

gatttccctc atcttcgtgg atttatctgt ctttggctct tgatgttggg gacctttgcg 431280  
 tggggttttt gtgtggacgt cctttttgct gatgttgatg ctattccttt ctgtttgtta 431340  
 gttttccctc taacagtcag gccctctgc tgcaggtctg ctggagtttg ctggagctcc 431400  
 actccagacc ctgtttgcct gggatcacc agtggaggct gcagaacagc aaaaattgct 431460

gcctgaccc tctctggaa gcttcattcc aggggggcac ctgccagatg ccagctgaag 431520  
 ctctcctgta tgaagtctct gtcaacccct gatgggagggt gtctcacgat taggaggcac 431580  
 aggggtcagg gaccactgg aggaggcagc ctgtccctta gcagagctca agcgtctgctc 431640  
 tgggagatcc gctgctctct tcagagccgg caggcaggaa cgtttaagtc tgctgaagct 431700  
 gggcccacag ccgccccctt cccaggtgc tctgtcccag ggagatggga gttttatcta 431760  
 caagcccctg actggggctg ctgcctttct ttagagatac ccagagaggg ggaatctaca 431820  
 gaggcagtct agctacagtg gctttgccaa ggtgcagtgg gctctgccca gtttgaaatt 431880

ccccgtggct ttgtttacac tatgagggga aaaccaccta ctcaagcttc agtaatgggtg 431940  
 gatgacgtc ccccgaccaa gctcgagcat ccaggttga cttcagactg ctgtgctgac 432000  
 agtgacaatt tgaagccagt ggatcttggc ttgctgggct ctgtgcgggt gggatccgct 432060  
 gagctagacc acttgtctcc ctggcttcag ccccccttcc aggtgagtga acgattctgt 432120  
 ctgctagcg ttccatgtgc cactgaggta tgaaaaaac tctgcagct agctgggtgt 432180  
 ccgcccacac ggccgccag ttttgtgctt gaaaccacg gccctggtgg ttaggcac 432240  
 caagggaaca tcccggtctg caggttgtga agaccatggg aaaagcgcag tatctgggct 432300

ggaatgcacc attcctcaca gcacagtcct tcatggcttc cctggctag gggaggaggt 432360  
 tccctgacct ctgcacttc ccgggtaagg tgacgcccc cctgcttca actctccctc 432420  
 catgggctgc actcactgtc taaccagtcc caatgacatg agccaggtac ctgagttgga 432480  
 aatgcaaaaa tcacctgcct tctgcctcat tgggagctgc agacctgagt tgttctatt 432540  
 tggccatctt gccagccacc tcgaggaaga gaatttaatg atgactggtt aaccagacag 432600  
 atttcctaaa actggttggt catttcaaca aacatttatt taatatttac tgcattgac 432660  
 ataacaggct aggcataaag tgtacaaaca taaataagat taaagccctg ttaataaac 432720

tctattagta aaaccaatca gaagatacgt gagaataaag agtcattca tgatatcaac 432780  
 aacatcaaaa acaatgcaaa gcaactttac caagaaacgt gttggatctg tctgaagaaa 432840  
 attacaaatc atcttgagaa atacagaatt ttttaaaga ctgaatagag acataacta 432900  
 tactactggt ggagaagact agccattata aagcaattcc aatgaaagtc ctgacagtaa 432960  
 atactgcctt tatggaaaca gacaaaatgt gccaaagttt atctggaagg gttagaagag 433020  
 ctaaaacatt ttgggaacaa aaagataaga aatgaccag cacgttggt cacgtctgta 433080

atcccagcac ttggggaggc tgaggcaggc agattacctg aggtcaggag ttcaagacca 433140

gcctggccaa catggtgaaa ccccatctct actaaaaata caaaaattag ccgggcatgg 433200

tggcaaacgc ctgtaatccc agctactcgg gaggtgagg caggagaatt gcttgagcct 433260

gggaagcgga ggttgtagtg agccaagacc gtgccactgc actccagcct ggccaacaga 433320

gcaagactac gtctcaaaaa aaaaaaaaaa agaaaaaaag ataaactgct ttgtgacaga 433380

caccttcaag ggaataaaga cagaagccac agactaagag aaaatatttg caaacattt 433440

atctgttaaa ggactgttta ttgtagtagt atttaaatat ccaaaatata taaggaactc 433500

ttaaaactca acaatgagaa aacaaccatc cctattaaaa aataggctaa agaccttagc 433560

agacatttca ccagatatac agatgtcaca taagcatatg agaagatctg caacatcata 433620

catcatcaga gaaaggcaaa ttaaaataat agtgagatac cattacacac ctatcatgac 433680

tacctaaatt cagaacactg acaacatcaa atgctgacaa gaatgtggag caacaggaac 433740

tctcattcag tgctgggtggg tatgcaaaat ggtacagcta ctttgggaaga cagtatgggtg 433800

gtttcctgcc aaactaaata tacccttacc atatgtccca gtgactgtgc tccttggtat 433860

cacccaaagg agttgaaaaa ttaggtccac acacaaaaaa aacctgtaca tagatgttta 433920

tagcaacttt attcacagtt ggcagaactt ggaagtaacc aagatgccca tcagtgggtg 433980

aatggataaa cagtcgtata tccagacaat ggaatattat tcagtgtcaa aaagaaatga 434040

gctatcaagc catgacaaga tatgtagaaa acttaaatgc atattactaa gtgaaagaag 434100

ccagtctgag aaggctacat actgtataat tccaactata tgatatattg gaaaaggcaa 434160

aactatagag agtaaaaaa tcaagtgttg ccaagagcta ggggaaaggg agggatgaat 434220

aggcagggca cagaggattt ttagggcagt gaaactattc tatattacac tataatacta 434280

gatacatgtc actataaatt tgcccaaaact catagaatgt acaataagag tgaaccctaa 434340

ggtaaaactat ggactctggg taatcatgat gtgtcaatgc aggttcatcc actgtaacga 434400

gltgtactact ctgtggggat gttgataatg gcgaatgcta tgtatatatg cgtgcaggga 434460

gtatatggga aatctctgta cctgttgctc aattttgctg tgaacctaaa actgttctaa 434520

aaactaagtc tatTTTTTTT ttaaaaaagg ataacaaact tgcccaagcc cttattttaa 434580

agagtcataa aggtaaaaa acaatggtat tggtgaaga tacagaaaag aactggaac 434640

agatgagcga ccccggttaa agcacctcta ttaaaaaagag catcacagtt caatgagaat 434700

aagagaggca atatTTAATT ctaatttggg ggaacactgt gcaaaaaaag agtcctttta 434760

gatctttgta tcataccatt cagcaaatta aattagtgt ggttttacct taagtatgaa 434820

aggTTaatgt tTTaatatta agTatgaaat gTTaatTTgc ataagctaag aaaatacctg 434880  
gacaactTTa gTaaacaTca atGaaatcca atTTaaaata ataaagacat cTaattTTtc 434940  
acctcTTaaa tTgtgaaaga tTaaaaatta tGatgTTgaa TGccgGTaaa atTgaagTTt 435000  
ggtGagcatc cTaaaggaca cTTtgGaaat aGaaactggt atGatcTTtc tGaattgTaa 435060  
gtTggcaaca tatattaac atcaggccta tTgatccagt aattctactc ctagatcatc 435120  
atcagagagg tagTaaaagg tctacgtaac acaattcaca tTaaaattca cTTtattgta 435180  
gacaaaagta gaaagagcct aagggtgtt tatcaatagg agaattgagta attacacagt 435240

agaatatgac tTTTtaaaaa tTacacattc acaaaagagt acggaagctc atcaaaaaag 435300  
tTaagagaac taccatacga tccagcaata tctcatctga atatacacc aaaggaaagg 435360  
aaatcactgt ctTgtaaaga tatctgtact cccatgttca ctgaagcatt attctcaata 435420  
gccacgatat tGaaacaact gaaatgtccc tCaacagatg aatggacaaa gaagtTgtgg 435480  
tatacataca tattaacaca tatatagtac atatatgtgt taatattaat gTacatatag 435540  
gtattatgta tTatgtgtac atatgtatgt gTacatatgt atgcatatat gTatgtatac 435600  
cacaacttct tTatccattt gtctgttgat gtgtacatat ggagtattat taagccttta 435660

aaagaaaggg atactgccat tTatgacaat atggatgaac ctagaggata tTatgctaag 435720  
tataagccac acagagaaag aaaaatagtG catgatctca tatgtggaat cTaaaatttt 435780  
taaaaattga atacagtaca tagaagcaga gagtagatga gtggggTggg gatgtgagat 435840  
gcaagtcaaa gggcacaaag gtgcagttat gTaaaataaa caagtctaga gtctaacata 435900  
cagcataagg actaaagtta ataatttgt attgcatatt ggtaatttgg caagggaata 435960  
gattttgggt actcttaca caaaaaagca aaccaaaga aagaaaggta actatataag 436020  
atgatagaca tGttaatttg cttgacaaat taacatgtat atgttgttgt tgttgttgtt 436080

atTTTTtgag acggagtctc gctctgtcgc ccaggTtggg gtgcactggc acaatctcgg 436140  
ctcactgcaa gTccgcctc ccgggttcag gccattcccc tgcctcagcc tcccaagtag 436200  
ctgggactac aggtgcctgc caccacgcc ggctaatttt tttattttt agtagagatg 436260  
gggtttcact gtgttagccg ggatggctc gatctcctga cctcatgatc TGccgcctc 436320  
tgctcccaa agtgctggga tTacaggtgt gagccattgc gcccggccaa catgtatatg 436380  
tTTaatatgt atattaaaa atcgtgtttt acattTTaag tatatacaac aaaaaataca 436440  
catttatatc taatttgaag atTTTtaatt aaatttctac caagctaata tTatataaaa 436500

aacacacaat tcaaaacaat actgtaggca taatgaactt catttgctaa tGtatgccta 436560  
tGtacacaca acacaaaact agaacagcag tagggctagg gTTaatTTta tTTtattctt 436620  
tctattttca gtactttcct aattctacaa TGaaaaaaa tacgtctttt tTgttttcag 436680

agggaggaaa acaacattat ttaaataaag aggtactaga gacaatatca gaattcaaaa 436740  
aaggacttaa aatcatacat aaaagatcca taaagaatag tgaaatctga ataaagtcta 436800  
cagttttagt ttacagtaac atatatatac caatgctggt ttcttaattt tgataaatgt 436860  
aatataaggt aatttaggtc atattgggtga gtaagacggt attgggaaat accttaaagt 436920

tcagttacct tagtcagaga actggcctgc taggaagtgt tggaatttg tctttggggc 436980  
tttgtcttcc tattatcttt gcaactttgc tgtaaactta aaattatcct gaaagaaaaa 437040  
gttactttaa caaaacaaga ttcataatgg gtaaagaatt cacatatctg gaagatggcc 437100  
tttgtctttg aggacatcat caccaagggg aaccatgttc acttgtaaat cacccttag 437160  
aaacctcaga aacatcagtt agttttgagt ggcagaactg ggggtgatct tatgttctca 437220  
tttattgatt tgttttatta attgctagct acatgggtca atgtaaatac atttaatact 437280  
ttgaagctac ctggaaacaa aatactgcac taccacagca ggacattact tgcattcttt 437340

tctttctttt ctcatattac caagcaacct tccacattcc taacatgtgg caataattca 437400  
acctctgtac ttttccaatc gtatttataa acacagtttt tcagacttta ctatcacaaa 437460  
gccccagaaa taacctagca aaccatttta ctccagaaac gccaatggac ccttgtgggt 437520  
ttgccatctc ctgcctgctg ctgcctccct gcataactcc tccccaaaca ttccagatac 437580  
ttctctaatt aatgaagacc tcaccacttg gatcttatct ctttgttgca agatgaacat 437640  
ttttagtatt ctgaagact cagaaacctt gaaactggta atatggagaa acttcagatt 437700  
tcatgagatc caaaggtcag ggtctccagt tgctcatttc atttatttat ttatttattt 437760

atttatttat attttctaag aggagttaat tgattgcaga accaagagcc cccagtccac 437820  
tactagcagt cagatccctt ccaccttccc cttacatat gggggattga aaacagatcc 437880  
tccccatgaa aaacactgga gagtgtcat ctaattcaaa ctctcatctt catagggag 437940  
aaaatacaag gaagttaggg gtgggggaac taagatggga ggagttaag ttgactatat 438000  
tcttatttta ttaccacgc tgttgacaac tcactaactc cccccaccgc ccaccata 438060  
atctatccc ttctgtctca gggcaactg agaccaaagt taaatgggtg tgctttcagt 438120  
ttttgcttg aatggtgta tgcaagagta acccaaataa cacaagataa tgcttaacct 438180

agcgaaggag gcaggacctg ttcaaacttg ctctattcac agatgggggtg ggggtgggcag 438240  
caccctcttg tcaactgtac atgtgagcta agaaaatgta tccaattgc tggtttttga 438300  
gcctttctgg aattagatgc cattttgtaa aaaaaagtaa atctccttct ttgccatgtg 438360  
aactaaggtg taaaacggag aaaatgtgtt ttgagattt aaaggaccta cttatgctct 438420  
taactgctga gttattttca ccagcagact ttgtctttgt gtaagcccta gacttccaag 438480  
aagtggggaa atttaagcaa gggagatgga aacacagagg gagaaaggaa agagaattag 438540

gtggttctat agaaggaacg atagtgcct ctgatctaca cacttcaggc caaatcccca 438600

tacccttcag ctgaccaggt gtctgattaa ggttcttaaa agactgacat tgggccaggc 438660

ccgatggcct gtaatcttag cactttggga ggccgaggca ggccgatcac aaggtcaaga 438720

gattgagacc atcctgccca acatggtgaa accctgtctc tactgaaaat aaaaaatta 438780

ggccgggcac agtggctcac acctgtaatc ccagcacttt gggaggccga ggtgggtcga 438840

tcacgaggtc aggagttcaa gaccagcctg gccaacatgg tgaaacccca actctactaa 438900

aaaaatacaa gaattagctt ggctgggtgg cagggtgcctg taatcccagc tactcgggag 438960

gctgaggcag gagaattgct tgaactcggg ggccagaggt tgtagttagc caagattgtg 439020

ccactgaact ccagccctggg caactgagtg agactctgtc tcaaaaaaa aaaaaaaga 439080

taaatacaaa aattagctgg ccatggtggt gcatacctgt agtcccagct actcaggagg 439140

ctgaggcaca agaattctgtt gaaccgggga ggccgagggt gcagttagcc gagatcgtgc 439200

cactgtactc cagcctgggtg acagagcaag actccgtccc aaaaaagaaa aaaaaagaaa 439260

aaaaggactg acttgtcaaa cacttgctcc attcactcaa gaaatacttc tggctcatta 439320

ctggcctgaa acctctctct ctttctctcc atgtattact gcctaaggt gtactgtcta 439380

atacggtagc cactagcata tgtagctact gagcaacaga aatgtggcta cttcaaattg 439440

agatgtgtat actaaagaaa ttaaaattac atccatggct cacatttgtg gctgtaatta 439500

tatttctaca ggicaacact gctctaaaga caatgtagta ctagaattag agatgtttaa 439560

gccccagcag caagtacaag ctaatcttcc taaattttat ggctgtccag aaaactgact 439620

ggggaactga gtcttgatta actcatccca aggtaaaatt cattcatagg atcatctgac 439680

ttctatccat gagttaaca cggaataat tgcaaagctc tgatgctcca ctgaggtgca 439740

gaataaacgc tccaattca atgtgagcag ctctttctc tggggataca tgagagttag 439800

acgtgggact tgatactctg ccataatgga agcaaagaga agagaaatag ggatggaaga 439860

ggagggaaga aaggagaca ggggagggtg cagattaaga taaaaagaga acagaaggga 439920

tgggtgaaagt atgaatggaa acatggagat taggaagaaa cagaggtagg gaagaatatc 439980

tctatggtag aataaaacca ggcctttttc ttactgtca gagtaattct gaaggctaaa 440040

actgagaagg ccagtaacaa aaatgaagtg acaatggccc agagagagaa ctcaagaggg 440100

ttactctact cagcaaagaa aggcagccct tagaatgccc ctgagcgaat ggatggagcc 440160

acattacgta actcactcac ttctctgcct ttcatctttg tcaatggcca taaaccgca 440220

atttactaa acgcaattcc catttcagag agtctttaaa gcaagcggca ctgcctcaca 440280

aacccatgaa aataggtcct ttctactctc ttatcttgaa tctcaaaaaa acatactctt 440340  
gctatgaaca gatatggact tctttgagtt ttttaagagcc aattatagca catcgcaact 440400  
agtgtaccct gtaatactgt ctccaaagag ggctctccag cagatgcagg gggtcccat 440460  
gatacaaagg gcigtgttct aaaagttcct gtgtaagggtg gttgtctagt gcttagaaca 440520  
tattttcatg gagaggaaaa taaaacagca atgaatggct agaaagagac ccggtctagt 440580  
ccaaacagtc tccttaacca tgtgtctgaa ctatgtgact gaagagtgtc ctcggatctg 440640  
ggagccatag tgcagtgcaa gggggagaaa aaggaaaagg agacggaaaa ctctccggt 440700

acctcctgga tgggaggtgt cactagccat ttcttgaggc cccaacaag atataaggta 440760  
aaaatcctca ttgagagaa actgcactgc tctactgacac ccgtatttt tgcaaattca 440820  
ctcagtggtc cacagaaaca cttgacagag tgctgagtgg catggatttg ggaaggatgc 440880  
agggcagcaa acaagcaagc tggagagggc agcgggatgg gggcccaaga ggctaaatcg 440940  
gaggtttctca aatgtttctca gtccatgtca ctctggcgtc tcaggtattt ttttcattat 441000  
acttctaggc agagaggaat acctaacagt tccatgagtt aaataggtag atccaaacaa 441060  
ctcaataaat atttacgtcc taacaactta gtaactattt gaaaagaaaa agatataaat 441120

tgatgagaag gtggtatttt tatttcattc ttatatagcc aaaattttca atgagaccta 441180  
tgtgtctgtg ggcactatgc agcttttcta actttggaat tagatgggat tctgccacc 441240  
catttctgc ttcacattga tttttatacc aacttggtta tttatcacag catccctga 441300  
aagcccagct tttcacagat atgacttcac cgaaaggaat gtagtgatct agtggttaaa 441360  
ctatgaacta ccttaagccc gtagttcaca tggtagctga cagatgttga ttgtttcagt 441420  
gtttgctca aaaaaaaaaa aaaaaaaaaa aatcccacag cctctccatg aattcactgt 441480  
ggcacccag ggtgccttca gagaatagtt tggaaaaagg caaggctaga atgtttccag 441540

tgcaaccaat caggagtatc ctttctggtt tacatttcac agtaagaaaa atgtaacca 441600  
cactgaaatg gccatgggtc tgacctctga agtaacctct gccctgccct tttaaaagt 441660  
ttccacattc aattcacagc atcctttggg taagtataaa acttctcagt ggctcacaga 441720  
catattctgc agactctggg acagagagga cagggtgattc tgtgttgatg ggtgagatca 441780  
cgtttttaaa aacgacttca ctctacagta taatgtagac aattattaag aactattatg 441840  
gttttagatg ttttcattaa ttgacatgtg agataaatgt tgaaccaa acagactaac 441900  
agagaaagaa gatgccaggt gtatgtttta ttgataatca tataattttg cccctggcaa 441960

gactaaaaga aaaataaagt ctaagacaag caaagattgc attgaggcca aaaaaaagg 442020  
aggaaattca ggtttgtcaa ttcatcatt cattcattca tccattcatt ctacagatgt 442080  
tttaagttt ctgtcatttt ccaatactg tatgtacca gagacacaga agtgaaaaag 442140

ccagccacaa catggccttt gaactcctgt caaggtcagt agtgacctc atcttcccca 442200  
atgcaataga gtattttgtg gcttcattct atctgacgtc tcagcaacat ctggcctagt 442260  
tgatcactcc ttcttccctt tcaattgtta acttggtttc tgagacaccc tctaccctgg 442320  
ttttcttctt acctcattgc ctgcatcttc ttagtttctt cctctttcta gcctccaatg 442380

ttgatttctt catggctcag ttattggcca tttctccat cctcactccc tcctttgggt 442440  
tggctctttg cagtcttatg acatcaaata tcactctctat gctgttaact cctacatttc 442500  
tatctctatc tcccacttca ctccagagct ccagatttgt atatccaacc atgtacccaa 442560  
catccccact tgaagaacta ataggtatct caaatacaat tattttcaga acagaaacct 442620  
gatctctgac ccccaattcc agatttctcc atctcaggaa attgtattgc cattcactac 442680  
atgttcaaac caaacaccta gaggtattca ctgattcttc tgtttcttat tgctgcacaa 442740  
ccaatctca gcaagtccca ttggctctac ctcaaaaacc tactctgaat ctaaacccac 442800

caccaccacc atgatgctag tccagcgac catctctctc cccagggtca ctacaataac 442860  
ctaactgggt gtcttgtttt cactcttgct ttcccatccg gactattctc aatatggtaa 442920  
cacgatgtcc ttttttaaaa tgtaagttac atcatgttaa ttctttactt aaaacccttg 442980  
gaagagtctc tatcacactt gaaatctctg aacttcctat ctgagtctat aagaacccaa 443040  
atgacctggc tgtacctcaa tcaaatcagg acataatgca cttgcttttt ttctcttctg 443100  
ggaacactct tecttaggtc tgcagatgcc acactcttca ctcaaatcag agaagccttc 443160  
cctaaatgtc ctttctacaa tattctctc atccctctga aaccattat tctgctttgt 443220

ttctccctat agcacttatt aacccccag aaattacatc ataggtatct actcactgat 443280  
tgctactttc attagaacat aaggtagagt cagttacttt gccttactat tcacacagca 443340  
agctgtggac tctcaaatc tcaagtgaat aacaatcttc ggccaggcac agtggtctac 443400  
gcctgtaatc ccagcacggt gggatgccca ggtgggtgga tcacgaggtc aggagatcga 443460  
gaccatcctg gctaacatgg tgaacccca tctctactaa aaatacaaaa aaaaaaatt 443520  
agccgggtgt ggtggcgggc gcctgtattc ccagctactc gggagggtga ggcaggagaa 443580  
tggcgtgaac ctgggaggtg gagcttgcag tgagccgaga tcacgccact gcactccaaa 443640

ctgggcaaca gagtgagacg ccgtctcaaa aaaaaaaaaa aaaaagaaat aacaatcttt 443700  
tgcttcaca aggtctacat ctggtgaaag gtgataggaa aagatctggt ttaccatctg 443760  
tgctaactctc ataatgcgct acttaacata gtagcatttc tcatgtacca ggcattatac 443820  
taaaattcta gcataatgta tcgccttatt taatttttcc aggtttctat gaggtaggta 443880  
cagatattat cccttagaaa gggtaagtca cttgctcaag gtcccagagc tggtcaggac 443940  
agaactggga ttcaatctca catccgtcac attctatacc cttagccact atgctgtgct 444000

atatactgcc tctatctgtc atttccagaa agtgggatga tcaagctaga attacctcta 444060

atgcttccat tctacctcct aaaacaaaaa tgtgtgcacc tgtgtgcct gaaatttaaat 444120

taagtcacaa gaactctttt atccaaatat agttcaacaa agacaactgg ccatagacta 444180

atgcagaagc atgcacacag agaccaagtg tcatgttagg gtgctgaggc atcaaatgga 444240

acttctgtcg tgccatttca tcatcatatt acccacagta tgagttttcc cctctaaaga 444300

tgataaatTT aaacaagaac taccaagggt gacaacttca caactgagtg tcaacaaaaa 444360

gcagaatgtt ttagtaaaat gcactcacc tggttttttt tttgtttgtc tgtttgtttg 444420

tttgtttgtt tggagacgga gtctcactct atcgcccagg ctggagtgca gtgacatgat 444480

ctcggctcac tgcaagctcc gcctcccagg ttacacacat tctcctgcct cagcctcccg 444540

agtagctggg actacaggca cccgccacca tgcccggcta attttttgta tttttagtag 444600

agacaaggtt tcacatgtt atccaggatg gtctcgatct cctgacctca tgatccgct 444660

gcctcagcct cccaaagtgc tgagattaca ggtgtgagcc accgcgcctg gcccgcactc 444720

accctgttc ttaacttttt ctgtcatcag gaaaatgagc cacctggctc aagaagaaaa 444780

aaaaaaaaat ttgcttcaag ctccagttat ctgactatgc aggatggatg aagtgcctcc 444840

aatggacccc tctcagtcct acatagctct aagaaaattt tctgagaccc tatcgctgaa 444900

ttcaaaccca gctccagaca aaagaacat caccacaagt tcagagatgc aatagtact 444960

ttgtttcttt ctctcctat aattaggaac aaaccatctg tgcacctat taaggtacca 445020

ctggttctta ctgccccc tcttcagcat acacaaatat aggctacat ttacacatg 445080

catgcgctg tacacacaca cacacacaca cacacacaca cacacactt ccttagcaac 445140

ctcatgttc tggactgtgt acagaatgaa tgacagccac tatgataatg atacatagtt 445200

attttactcc aaaaatgat aaatagtaaa agctatcctg atgaattca aagattagaa 445260

gttacttggg aaacaaacta tgcacttgca ttcaacttca ctactgaaca ggagccaaaa 445320

ctattctttt ctctaaatt taccaaagac aacatcaaat ataacatttg gcaactctca 445380

gaacctaat tgaaatccat ttgactcta aataaaccca taaattttac agacctgtg 445440

ataagtgcta catgctgtga tataaccctg ttatggaaat acttcataga ctcaattctt 445500

tcctaaaaat caagacttgg aaaatgttgg ttgagaaaa gaatcaggaa gcaaatgga 445560

gaatgcata gcgtaaaggt gagtgtcact gcttgagaaa taagagaaaa gctgtacccc 445620

ctgcagacac ccacccccac acacacccat gtccccttcc ttaaccttat agggtttctt 445680

aaaccgtcac atctccatc ttctaaagtg ggagtgtttt tactagacta ttctaggcaa 445740

tttctggtat ctggactcca ggtctccagt cttcagatca aagatgagtt tatagataga 445800  
 ttatgtataa attgagagta gacagccctt gagggttaag tgaagacagc agaaaagacc 445860  
 atcctctcat ggctaaatct tgagatgaaa tggcttctaa gcagtgcctt gccagttcct 445920  
 caaaagatta atttctggat gtagaaaaat atgaaagtaa cagcaaaaat agaaaatgaa 445980  
 attgccaacc ccacagtacc caaatatctg aataaaacaa gtccttaatc tctttgtcct 446040  
 tgacaatccc tagctactta gctaccgata gcaccaccac taccaagtct atgtctggca 446100  
 catcttagga aactttgcta actcatcctg aaaatcaggt ttcctcacta gctcccagtt 446160  
  
 cctaaaaggt gaccaggatc ctcacaaatc ataaaacaac gataagaaga aaggaatatc 446220  
 ttaagtcatt tcattcagct tcctcatttt acaaagagta cagattcaaa tgtagtctc 446280  
 ttgaagtctc aaagttagtg ccaagaatga gttttttaag cctcattctc ctaattccca 446340  
 agacaacgtt tctactaggt acatcattgc taaagaaata aatagatttg ctatccagac 446400  
 atccatccac ggataagtaa aaaacagatt ataaaaatac ctgtgtgtgt gtgtgtgtgt 446460  
 gtgtgtgtgt gtatgtgcat gtgtatatat atgtgtgtga atatatacat agatgtgtat 446520  
 atatgtgcat acacacgtgc gtgcgtgcgc acacacacac acactcacac acacatagcc 446580  
  
 agtatggctt agtgattaaa agcatgtatt ctagagccaa agtggctggt tcaaatcctg 446640  
 actctgccac ttacaggctg tatgaccttg cgaaaattac tcagttacac cttagttttt 446700  
 tcatttgtaa aacaggagtc ataataacaa caacaacaac taacataatg gtaccactc 446760  
 cactgggttt ttgacagctt aatagagata atctctcatt taaaaatta aaatttcaag 446820  
 tacttaaaat agcatctacc atatcataag tgttatctat gtattgccta ccattattct 446880  
 ttcaaatata attgagacta taaagaaatt ctgaaaagga ggtcatggtc ttgctttgca 446940  
 ttattactct gggaatgttc tgaacacttt tcaaatatac cagcttcatt tgatatagag 447000  
  
 cgttctgaaa ggaattcaat aatatggttt agtgtacttt gcctagacct aagtagtccc 447060  
 atcattctag gcaatgtaag agcaagaata aaaggtagga aaggtattat tattcatagg 447120  
 tataatccct gacttctgtt ttaagaatca ttattgattg acaccacat agaatactcc 447180  
 aagatagggt gtgatacccc acagagagta ggaaccaca cttgttgatt tgattctgga 447240  
 agagttacta ggagaccagt ttattccaga tctccaaggt cccagtacca gctgggcagc 447300  
 atctcctcag ctctgggtcc cagctccaag cctctagggt ctggtatctc ccaaccctt 447360  
 cctttcgatc ctccagcact agggcagtag ctgtttgctg cagctactat ctacacattt 447420  
  
 cctcacagtt ctctttttct acctgttcaa tacttcaaca gctgtttaac aaagctctgg 447480  
 tattaatctc tctatgttaa aaataacat agcagcctct ttcctgact ggatgctggc 447540  
 taacatacca tcacatagac atttagtcca agctttctca cagcacacag aataactcct 447600

tatcattaaa attgacagac aagacaactc caatccttca tgtgaaacat gttaaaatgt 447660  
ctctgcgtca ctctaaggga tctcctctca atgtctaatt tcaattcttc cacttgagat 447720  
ttgtgacctt ctttgcctcag cctgtcatca atataaacca tagacatacc cctccctgcc 447780  
cacagatatt ataatatcat atgcacaaat catgtgacaa gacctgtccc accagtcctg 447840

atctgcgctt aaaacctatg tccactttat ttcattgattc ttatttaggc tacacttata 447900  
ctgccagcta cagtgcacaa caagagaaga ctgacacag ttttcataaa aatattacga 447960  
agtattgtcc aacgttatat cagttatattc gctgaaagca aataaccaga tgtctgaacc 448020  
acaaaaacga tctacttaaa tcatcagaat tttacctgat ttcataattta ggcacaagct 448080  
tatctaacta catcattatg tgttcacagt tagttgggct ggagtatttt catattttaa 448140  
tgcatattat ttattataa attatattgc ttttacagtt cctgtgtatt tcagttagga 448200  
aattatattg atttttttaa attattagta ttggtaaata atgctgtcta ttaattttgt 448260

ctgagaataa taaagagggt aaaaaatag tgttgtgaag cacagggtta gacggagggc 448320  
aggacgggag aaacaaacaa atatctggtg gggacacaca acaagggtggg tagaaagtga 448380  
aacctggaaa caagcccaaa cagagtacct ataaatactt aaagatcaac tgtctttgtt 448440  
tagtcctttt ctctaggcaa aaatgcccc aagggtgttg taatgggttca tgggaattag 448500  
ccaaatgttt ggaaggaacc agtgcctctgc agtaagacag acgtgcattc ccacctggc 448560  
tctagacacc tcttatcagc catgtgatcc tgaacaattt cacttctctg aatactgggt 448620  
tccacatttc taaatggag ataacagaga aaatcttgca aactggcact gctgactctt 448680

agagcctatc accatgtctg gtgtatcaca ggcccttgac agaaattact tctgccttc 448740  
ctgctcctat attttgcta attttctagt atatctttaa agaggaaagc ccagacaata 448800  
actgtactaa ttatctattg ctacatcaaa attagcatca acttagtggc ttaaaacaat 448860  
acacatttat cacctcagtc tccatggtca gcaatctgag catggccttag gtgggtcctc 448920  
tgcttcaggg tctccctagg atgtaattga gttgtcagct agagcccat ctgaaggctc 448980  
aaacggggaa gcatctgctt ccagctcac aggggtgttg acagaatgca gtttctcaa 449040  
ggtaggttgg actgagcctc caattattct gtctgtggc cagaggtcac acaggcctt 449100

ccagcatggc agcttgcttc atgaagcaca caaaccaaga agacaataca gtctgacaat 449160  
aaacataagt caaacttctt gcagcctaatt gaattcactc tccctgtgtg acgatctctg 449220  
agctagaaca ttgtctcct tctgccttca gcctcaggct ggaacgatac caatggctct 449280  
cccaggtctc cagcttgctg actgcagatg gtaagacttc tcagcctcct ttactgcatg 449340  
agccaattcc tcataataaa tcaatctctc tctcaatctg tgtggtgtgt gtgtgtgtgt 449400  
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt atacacaact gaccttgaa caacacaggt 449460

ttgaactgca cagattcact taaatataaa ttattctgcc tcagccaccc ctgagacagc 449520

aaaaccaacc ctctctcttc ctctctctcc tcagcctact caatgtgaag acaatgagaa 449580

tgaagaatth tatgatgac cacttctact taatgaacag taaatatatt tttcttatta 449640

ataataatac tagaaaatta ggaaaaatat agaaacgggg gcaggaagta acttctgttt 449700

ctcagtagca ttttcttttc tctggcttac tttattgtca gcacacagta tacaatacat 449760

acaaaataca tgtaatacaa ctatgttatt agcaaggctt tggtaacag taggctacca 449820

glagtattgt ttgggggaa tcagaagta cacacaaatt tcaactgcat ggggggtcag 449880

caccctaac ctccatatg ttcaaaggtc aatggtatat atcctattgg ttctgtttcc 449940

ctgtagaact ctgagtaaca cagatactaa aaaacagaaa agttatctcc agggagaaga 450000

atgaagtgat gtataagag aagcacagaa aagatcatgt tgcctaggaa aaagcagcat 450060

aagcaagtgg catattctta cagtttctca aaatatctgg ctgtacaccc tctcttagg 450120

tgcatgaga cccccctg gatthttata attaaatccc cttttaccta aggtagcaca 450180

gtgggtttca ggtacctgca accaaaagtc ttgaataagg tacttgggga atcaatgcat 450240

tgcatgaa agcactgac tctgtcttg ctaccataa tgctaccaga aactaggctc 450300

tctgacatcc caacagtaca tagtaagatg ttaagatac aagactgtgg ggtcggagca 450360

aaactggatt cagttccag ctttgccaca tattggccat gtgacctgg ctaagttact 450420

tcattctctc aacacttcat tttcttaac taataatgca ggggatccat aaaattctca 450480

tttgtgagaa ttaaagagaa aatgagctcc aggccatcac agaaggcctt gcagattgtg 450540

ccctcgtcat gcgccaagc aactgagctc agtgcaatgg ccgaccaga gtaagggtc 450600

aaaaagttag ccattactct attttccct ttcagttcta attgcctacc tgactgcacc 450660

aaaaccacta ttttaagca gttgcgaatg gcactttta ctacataga cacaaacacc 450720

tgcaacaatt tagttggcag tggtttctct gttcagctt gctgttcttt tcaaaataaa 450780

catatgccag acactacacc accacacata gtagaaatc tggtagacat aatgtatctt 450840

tcaggaaatc actcccaatt gccagaacc taacctttg aggcaatctc tgccaaaaa 450900

caaaacaaca tctatggaa atatttaggg ctctgaagtc agcataacat ggggtaaaaa 450960

ataccacct cctgccgggt gtgcttgggc aagtttctta atcttccaa gcctctctgt 451020

tctcttattt tcaatgggaa tacctcatag ggttatagg gattaaatta agatatataa 451080

agctaagcat agttctagaa tatataaat gctacataat tgctagctgt tttattttca 451140

actctagaat aaccagaac ttgtgtgttt tacgtaatac actaataatc actcactggc 451200

cccaataagt aattttgcta ttaacttata tgaggcta ctttcaagt aggttgatg 451260  
acttgatcgg aaggctgta agattctgaa tctaaatgta atgaaacttt ccccaaatgt 451320  
caggtgatct gacattctgg ttcagccagg atagtcctat gcgtaattat taatagggcc 451380  
tcatttaagt ctigacagtg tcctagtgtg tacaacaaat tataatgatca ccctaccta 451440  
ataaagtaaa atcttttagt gggagataca ggtttaaaat actttatttc acctcagtgc 451500  
atgtgtattg tggtttacat ttgttctctt agtttttgaa gtaaaactgaa aatatagagc 451560  
ttttacgggt ctaaattccat atatcaagia gcttttcata ctgcctagac tggagagtta 451620

tgactaagct gtaggccttt atttcaaaag acaagtctca agaatgaaga cagaaatgca 451680  
gcaaggcctt ctgtgcagc gcagttgcag tggtttatag agatctatac tacctcacac 451740  
agatgtgtaa tcaaggaatg acaacacttt acctgcccta ccagtttgcc acttaaatg 451800  
cacttctgca ccaagcagcg tggctcatgt ctgtaattcc agcatttcgg aaggctgagg 451860  
caggagggtc acttaagccc aggaattcca gaccagcctg gaaaacacag ggagacccca 451920  
tctccacaga aaaataaaat tagctgggca tggtagctaa tgcctgtggt cccactact 451980  
caggaggctg aggtggaatc atcattgag ccagaggatt tgaggctgca gtgagctatg 452040

atggtgccaa tgcactccat cctgggtgac agagcaagac cttatcataa ataaataaat 452100  
aaataataa ataaataaat aaataataa atgtattttc acatttatca tctaacttca 452160  
acctcagaag taaatgccat tttctgttcc accatcttac gtgtgccaga gatttccaca 452220  
caagtgggtg actacttgaa aagtcaatcc acataactcg aagattctct gatgtcact 452280  
ctctcccta cccaagatcc ccaatctctt gtctttctca gttcttgac tccaaatttc 452340  
caaatgctcc tatgaatctg aaaaacctgg tttttgcct tctgtccca tttcgtacct 452400  
tgccctgcac ctccattcca cctcaggcc ataattgca gctttgttca tcagcctcat 452460

gaaaccaaag aaaagagcat gtccttgcat aggacattct cctactccag gacatgtggc 452520  
cgagtctgcc ctttgcttag actctgccca ttgtgaaatg aggataatac attatcccc 452580  
accttccaga tgaggaaact gaggcaggag gcctgggtggc ttgaaaaggt caccatagt 452640  
gtaaagcctg aactggacaa tgggtcttgg ccccaaagtc catgttgttt ccctacagca 452700  
atgcttctcg aatgtcaatg tacacttgca aggtcagtta cataatttgt ggggaccagt 452760  
gccaacaaa aatgtgcac ccttgatca aaaagcaaga agaaagcttt ttcctttctt 452820  
cttaggtctc tctctggact tgttgggtg ttttttcatt tgctacttaa cattgattgg 452880

gttcttctg cacagggata ttctcagggc aagcgcagac cctcaaaggt gcccagagcc 452940  
tactggcaa ttgggcatat ggggcacaca caccctctc caccttctc atacctctt 453000  
gcaagtcccc atccctgcca gaagcagagg gtggcaatga atattgggtg gaagtggaag 453060

agtcagcggg catcctggca ggggatggga ccacacatta actgctccag tatcccatgg 453120  
 gatttacta gcaaaaaaca gattcaaaaa caaaattatt aagaatgcca agaaggtgac 453180  
 cacagaacac taaacctaa gcacaggga ccccttctga gtgcaggacc ctgtgcagtg 453240  
 actgctcaca catccatgaa gccagccctg tgcacatgaa tcacctggga atattgttaa 453300  
  
 aatgcacatt ctgattcaag aggtctggag tgccctgtac atttctaacc aggtcctggg 453360  
 ggaggctaaa actgctggc ctcaaattat acttgagtag caaggtccta caccacaagt 453420  
 tgcattttgt aatgtgttta ttatgtcaga tccaattaca aactttttac gtctttcatt 453480  
 attcaataa ggcagccatg aaaataagca ctaaatacaa gccactatct attgtgtctt 453540  
 taaaatgtga caagtcagaa gtagcaaatc tattcacatt catagtatct gcctgcctgg 453600  
 gtttaagac ttcatataga tagaggcatg gaaaggtgct tatgcatata ccgatgtcac 453660  
 tcaggtggcc acacaaaagg ctgcctaact cctcccaggt aggcaacgct ctccatgttc 453720  
  
 agaggggcca actgttga aaagtcaggt aaaattttcg aaaaaaggag taagtgccca 453780  
 tttcttcagc tcatggatgg aaacgacagc tgaatggtt gagtttttaa aagtatactt 453840  
 tttcaggaat ggcagcacc tgtattcaaa tagagagaag gagaagatt tctctgaact 453900  
 cctatagcaa aagatctaag accgtggggg cctattcagt gtaaaaccac acagcacata 453960  
 aagaatgaga ttgggcagag catggtggct cacaactgta atcccagcac ttggggaggc 454020  
 cgaggtggaa ggatcgttg agcctaggag tttagacca tcctgggcaa cacaacaaga 454080  
 tcccatctct acaaaaatta aaaaaaaaaa aagccaggtg tgggtataca ccctgtggt 454140  
  
 ctgagctaca tgggagctg aggtgggagg atcacttgag cccagcagtt caaggctgca 454200  
 gtgagctatg atcgtgctac tgcactctgg cctgggggac agagcaagac ccagtctcta 454260  
 taaataaata agcaagtaag taaataaata aataaatatt tttaaaaaga atgagatcac 454320  
 cagcaaatg agccttgatg tcttcatacc taaatgggg ccgattacc catctcatag 454380  
 gatgtgcct ttaatcaat cacatgagat aatcaatag aaagtttgt aactacaaag 454440  
 tactgtacaa gtccaaggt gtccccctt aaccacctta gaaaatgcta caggttagcc 454500  
 aggagcagtg gttcatgcct gtaatcctag cactttggaa ggccgaggca gatggatcac 454560  
  
 tttgagctca ggagttcaag ctgagcctga gcaacataga aaaaccccat atctacaaaa 454620  
 gaaatacaga aattagccgg tggtagacac tgctgtggt cccagctact tgggaggtg 454680  
 aggttgaaa atcacctgaa ctaggaggt ggaggttgca gtgagcccag atagtccag 454740  
 tgcactgggc aacagagtaa gactgaaaga aaagaaaaa atgagaatag aggagaagag 454800  
 aagaaaatg aggggagggg aggggaggag agggaaggag agggcacggg agggaaggag 454860  
 agggcacggg aggggaggtg aggggaggga agggaagggg aggggaggga aggggagggg 454920

aggggaagggg acgggagggg aggggaagggg aggggagggg aggggacggg aggggagggg 454980  
  
 aggggacggg aggggaagggg aggggagggg aggggaagggg aggggaagaga aggggacgga 455040  
 aggggagggg aggggagggg aggggaagaga agaaagaaaa tgctataggt gactaatgaa 455100  
 agttccattt ctgcttcatg tcctgtagca ttgaagtgg ggaagggtac taatggaata 455160  
 gattctttta aagatgtaat gttataagac tgaaccccc ttttataatt ggaacaaatc 455220  
 acgcctccga ttgagtaata cttggaaatg catcatcaat ttgatttata caaagcatca 455280  
 ataaatcata caaactggac cctgtgtagc tcagagagta aacaaaagta aacatttgtgt 455340  
 ttcacctgac ttgttggcaa gacaaaatga aaactctggc tacctcaact ggaataatgt 455400  
  
 ctttggctctc tggctgtttg gttatttttg gaaactttta tggaatatta acttcatttg 455460  
 ctctaattct gcaggaagcc acattggaag tgcaagaaaa tataaatgat taaaagcag 455520  
 aagtgaaaaa aaaataacca cggattttgc cccaaccttc tttaggtaat atattaactg 455580  
 catctcttca aaattgcggg accccaatct ccactattat ccagtttcta acatggctgc 455640  
 attcaacacg gtacacacac tgggttttagc agactttttt cattgtctgt tgttttccca 455700  
 gagataaacc taagtaaagg aaatactttt cctaagtata ggaaagtaac attttaaatc 455760  
 agtgtatttt aaaatctatg atgtggcagt ggagaaaaac acacagctag ctaaccaact 455820  
  
 gaccaagcaa gctctaacct aagctctaga ttaaaaccaa ttgaaatagc caaacacaaa 455880  
 cagtaaaaaa taacatgaa acttgatgta ttatttaaag tacattaagt ttttgacttc 455940  
 ccaggttctc acaatacatt atctttctta aaccaggtct ttacaagaga caccaacctt 456000  
 aagtgcaca aaagagtttt ttaatcccaa ttagtttggg gtcttttgtt gatattattc 456060  
 tgtctttttt gtctgaccaa caataatgaa taaccacaa acgctaataa ataactaact 456120  
 cctttgtct ccaaggacag cagagcccag caagaaatgt cagaagccct gaagtaaaat 456180  
 aaaaactctt ataataaaaa tcttcccaat tatatatcc tccgggtact acaaatgtaa 456240  
  
 aattgtctta aatatttaa tagttgtgtc aaatgtactt aaagtgggga tcataaagct 456300  
 gatttccag acgtgtgaa aaatgcattt ctacagtgca aattacaatg agtaactgtt 456360  
 ggagcaggaa gtaggggaaa tacaatataa ccgggatcct tcaaacacaa atcctagcga 456420  
 gactaataag ttgccaactg caccctgtcc tgctgtctta ctcagtggct cagatacata 456480  
 ggaacacatt cacctccgt cattaaaaat ttacatgtag taagtgatca atttttaaac 456540  
 taatttctat taicttagaa acataaaaact aaaagtaact cttccttgtc gtagacagag 456600  
 caaaaaaat aactgatgt tgctgaaaac actgacaagt gtgcaacaag atagtgtgac 456660

gaagaactca gtaatgttgt attttaattg gaactcacta tctttctcta atatatattcc 456720  
 taactctgtc cgtagaaaag gcttacaagc aatgacatcc cacagtcaac aagaacaccc 456780  
 tttcagccag ttttccagat attccccact aagagggact tgagcttctt gggaaaatgc 456840  
 atgattccag gtatggggca cgcaataaaa agtgagccta gaacatcttg ttatgcctgt 456900  
 aagcaaggaa gtacttaatg ggaacatgtc ataaagacac aagaattgac ttcaaggggc 456960  
 tccccctggt caaatitggg acagtittgag catcacaag aataatgatg gtaatgaatt 457020  
 ctaacagaat aatttaaaaa aaatccatga gtgattctgt agtgattcac aaaaagagaa 457080

gggagagaaa ctctctctc tagaagaata ccagctaata aacatagcag gaataaaaga 457140  
 atcagaaaat caccactatg caaccaacca tgtaaaaact gattctgaca agtatcatca 457200  
 atggatgcta tgaagattg ttggaggaca agatattcgc acaagggttac ttatacattt 457260  
 tgaaagagaa agtgctctc acaatgcaga gatctggtta caccacctta gccagtgat 457320  
 caaatatagc atcacaata ctaggatgaa gcagattca gtgcttctgg gtataatgca 457380  
 atgtgtggta cacaaatcac cttcatagt ttttctgcaa aaatatataa cctgaatcca 457440  
 atcatgaaga aattatcaga caaaccagag tgtggaacaa gacaactcac cttaaactctt 457500

taaaaatc agcgtggctg ggcacgggtg ctcattgctg taatcccagc actttgggag 457560  
 gctgaggcag gtggatcatg aggtcaggag ttcaagacca gcctggccaa gatggtgaaa 457620  
 ccccatctct aataaaaaa caaaagtctt cgggcgtggt ggcaggcacc tgtaatccca 457680  
 gctactcatg aggtcagc agagaactgc ttgaaccag gaggcagagg ttgcagttag 457740  
 ccgagatcgc gccactgcac tccagcctgg gcaacagagc aagactccat ctcaaaaaa 457800  
 aaaaaaaaa atatatatat acacacacac acacacacac acacacacac acacacacat 457860  
 aatacatatt atatatattt tatattatat atatatcagc gtttttttta atgaaacaca 457920

aagaaaggta gaggaactgg aagaaaaaaa acaataatat caacaaagga caccaaacta 457980  
 attgggatta aaaaactctt ttgtgtcact taagggtggt gtctcttgtg aagacctggt 458040  
 ttaagaaaaa taatgtattg tgaaaacctg ggaggctgaa aaattaatgt actttaata 458100  
 atacatcaag tttcatgttt attttttact gtctgtggtt ggatatttca actggtgtta 458160  
 acctagagct tagattagag cttgtttggt cagtcggttt gcttagctgt gtgtttttct 458220  
 ccactgccac atcattaatt taaaataact gatactagtt taaaatgtta ttttctgta 458280  
 tcattccttt acttaggttt atccctgaga ataccacaga caatgaaaa agtctggtga 458340

agtaggctaa agagatatga caaccaaagg taatatatga tctttgatta gaaaaaaaa 458400  
 acagctataa aggacaatta gataatatca taaatctgat ataataattt atatcatatt 458460  
 aataatgtaa gtagaatgaa ataaaaata atataaatt gaaatatgga ttactattta 458520

tttatttatg tttaggcag ggtctcactc tgtcacccag gcttgagtgc agtggcacia 458580  
 tcatggctca ccgcagcctc aaactcctgg actcaagtga tcttcccacc tcggcctccc 458640  
 gcatagctgc gtcaacaggc acatgccaac acaccagct aattatttta tttttttag 458700  
 agagagaggg gtctcacttt gttgccaga ctggtcttga gtccttgcc tcaagccatc 458760  
  
 cgcccaccgt ggcatccaa agtgcctgga ctacaggtgt gagccacatg ccagcctggg 458820  
 ctgtatttta aaatgtaact atatataaat aatctttgt atgaaaatta actttcttgg 458880  
 ttatgattaa tatattttgg ttatataaca tgaagatac tggcttagga atttgagggt 458940  
 cacaatgtct gcaacttact ttcaagtgtt tcaccttact tgagagagat aaaagaggca 459000  
 aaatgcaaaa aaaagttaaa tgcagtataa tacaacacia aacagcagaa ggccagatca 459060  
 aactttaaaa aatgataaat tcagcgtcaa agaataatt gtatttaaga aataagttat 459120  
 gcaatgattg gttaatttaa atgggaatag ctgggtaggg cacctgggaa agctgtttga 459180  
  
 agaggaacag atctgggagg agttgttctt tttctctttt gccttttctc ctcttccttc 459240  
 ctctcactc ttctcagaag gcagactaga tagctggagc tggaatgagg caaatgttgt 459300  
 gcaatctaga agaagactaa agaaagctcc acgatcttgg accagagaga gcggagtggc 459360  
 caaccactag cagcaagcac ctactgcagt ctctctgtta taataaaaat aaactcctac 459420  
 aacaaaagtt cccaactgtt ctcaattcat agcatgtca gtgtttcagt aattttttct 459480  
 tggttccctt aggccaaaag aaacaccta agttgcattt atcaagtagt taggtgtaaa 459540  
 caactcaata acatgtatgt actaacagct tattagtcgt ttgaaaaaat aatacaata 459600  
  
 aattaaaaga aaaatagtat ttttatttca ttcttaaa accacaaata ctaatgggat 459660  
 gtgtgttaaa ttgtgcactc tagtgtttct caaattttgg agtaagattg gacaccatca 459720  
 cccgttcac gttagtttct acttagtatt tgctctttta aaattgttgt aaaatatata 459780  
 cagcataaaa gcgatcgtct taatcatttg taagtataca gttcgggtggc attaagtaca 459840  
 ttacattat tgtgcaacca tcaccattac ccatctcaa aacttttcca tctcaccaa 459900  
 ctgaagctct gtacctca aacactaact cctcatgccc cttctctccc aactcccagc 459960  
 aaccaccact ctttctgact atatgaattt gaccattcca ggaacttcat acaaaaggaa 460020  
  
 tcatacaata cgtgtccttt tgtgactggt gcatttcatt tagcataatt tctcaaaga 460080  
 tcatccatgt tgtggcatgt gtcagaactt cttttctttt tcaggctaaa taatatgcca 460140  
 ttgtatgtat ataccacatt ggggtgtttt ttcttttgg ctatcataaa taatgctgct 460200  
 gttgacatgg gtgtcaaaag tacttgctgc ttctaaatca caattactga aaatggagct 460260  
 tctcaaagat atgatgtcac caaaaggaa atagtgaac ttactgttaa aactgtcaac 460320  
 ctcctcaagc tagtagtttg cctggtgtcc aaagatatc acatctcctt gtttcttct 460380

aaatttaaaa tacctgtga ctcccaaagt tcaactgtgc actccagtga cctttaacac 460440  
  
 actgtttggg aaccacaatc tatgatatta aagccactgt tatttgagtt ttcaactgag 460500  
 cagaactcaa tttttaaata atataaataa tatcaaatgt ataacttctca tgagccttcc 460560  
 atcaaagatt cticagttct caagtcagat gcttgtctgt gtagcaattc ttaggcaact 460620  
 taacctttct ccgtacacag ctctacgtct ccctaagagt tgctataatc actttcaaag 460680  
 cttagaaaat gcattttctt agccgccgtg taaactgtac cttgccccaa agcaatgata 460740  
 ctgctttggt taaaatttat gtgtcaactt gactgggcca cttggtgccc caatattagg 460800  
 tccaacacta ctctgggcat ttctatgagg gtgtttttgg gtaagattaa catttagtca 460860  
  
 gtacactgag taaaacatat tgccctccct aatgtgggtg gttctcagcc catcagttga 460920  
 agtctgaat agaacaaggt tgaccctcgc ccccgacaag agaaaattct tcctgcctga 460980  
 ttgccttcca actgggacac tggctttttc cttgccttta acttcaaact gaaacatcag 461040  
 ctcttctgg atcttgagcc tggcagcctt cagacaggga ctacatcgtg ggttctccta 461100  
 gttctcagge cttcagactc agactgcaat gaaaccattg gctctcctgg gtctccagct 461160  
 gattgactct cctgtagat cctggaacct gccactctcc ataatccaa gggccaattt 461220  
 cttataacaa atttctttat atatatacac acacacaaat atacacatgt agatatgtat 461280  
  
 cctatttgc tatttctctg gaaaacccta attaataaac ccacaagagt cccatgttcc 461340  
 atcagcgtcc tcaaaatgga tccaaactcc ttggcacatc attcatggcc cttcctctgg 461400  
 cttctgctga ttcttctcca gcttcatctc ttaccactgt tttctgtacc cctacctatg 461460  
 tggaaccagg tgcaagtcca tgacatgcac caggatttct tccctccaag ttttgagtgc 461520  
 atttttctcc cticcagaa taagtcacag acaacccct ccatgcaaat atatcgctgc 461580  
 acacacaaac acatacacac acacacacac acacacagga atgcatttg caggattgca 461640  
 aagctagctc ttaccttcc aagtatctgc ctatatagca caggccagga acccttctat 461700  
  
 gggccatat cattctgagt gtatccctac cggagtcctt actgtgctgt tttttgttt 461760  
 ttttgtttt ttttttttg agatagagtc ttgctttctt gccccgctg gagtgcaatg 461820  
 gcgcaatctc tgctcactgc aatctctgcc tcccaggctc aagcaattct cctgcctcag 461880  
 cctcccgagt agctgggatt acaggcgccc accaccacac ccggtcatt tttgtatttt 461940  
 tagcagaggc ggcgtttcac catcttgccc aggttggtt caaactcctg acctcaaatg 462000  
 atctgcctgc ctiggcctcc caaactgctg ggattacaag cgtgagccat cgcacccac 462060  
 ctactgtgct gtagtttaac tgcccacttg tttgtatgaa ttatccaact cttgaggga 462120

aaggactatg ctttattggc tattgcatct ccagaacagt ggctcaccca taatatatgc 462180  
tcaataatta ttgttagagt aaatgatcaa agttcaaata atcctagatc accatcctca 462240  
accagttatt ggcttagtat aggaattgtc aacaaaaatc tggaagaaac gatacattca 462300  
gccatttctt gcaccatcta gaccactgat ggtatctaag ctccaaagct agaggigata 462360  
ataatacagc tgcctctac ccctcatttg tgcctatgca tgtgccaacc atgcagatcc 462420  
aggaggagca ctgtaagcta ggaagctgag caaggaaaca aaaagccaca gggaagagaa 462480  
tcaagaagca gcactacttc tgacaggcat ttcaagggtg atcaaccctg agaattcact 462540

agcacctgag gttttttaag aaaacatggc ttttaattaca gccactgctg accgccatca 462600  
aagtttagtat tccaagctc ctactggct ggtgcctctg aagtactta ctctttctag 462660  
accttagttc cctatcagt taaataacca tagcatacaa ctcagtgtctg tttaggaat 462720  
aactgagact acgtattgga aagcacttaa cacggtgcct gacatatgct gagttatgat 462780  
acaataaagg caagttatta atattatcac cattattagt gtcagtcagg attgcaaaca 462840  
caagtacata taaaagcaag ctacggttca ctagtcaagc atgcgctaaa aggctttatc 462900  
gggcctcaac cctgaaaaat ctgaacacct aaatttaaca ggagggaact taacttgcca 462960

catcatggac atagcaacct gacaatgagc aacctatfff ggatgtagcc ccagggaac 463020  
tttctcctat acttatgcta aatatcagta cctctaagaa ataaaatgac tcaaaactaa 463080  
tctagaccaa aaaaaagaa gaagaagaaa aataaataaa ttaaggcctg gcacggtggc 463140  
tcacgcctgt aacgctagca ctttgggagg ccaaggcagg cagatcactt gagctcagga 463200  
gttgagagacc agcctgagca acataacgaa atcctgtctc aaaaaaaaaa aaagaaaaaa 463260  
aaaattagcc aggcgttgtg gcacgcacct gtggtcccag ctacttgggg gactgaagca 463320  
ggaggatcac ttgaaccag gaggatgagg ctgcagttag accaagatca tgccactgta 463380

ctccagcctg ggtgacaaag tgatacccg tctcaaaaaa ttttctaatt taaaaggcac 463440  
atgtatgttt agtgctatff ttttttaaa cctgccatt tataccaatt tatcaaaca 463500  
cagaaataca cagactctaa aacaactfff tggtacttg actgatagaa atcattatc 463560  
accttaatta actgaatgac tggctattct gaaggttgct agtaattcta ttgctggtg 463620  
taagcatfff taacataaac atttaagacg gaatgctaaa aataccttaa ggaatatata 463680  
attgtgctat tttatacagc aaagctatat ttacgtggg gtgcatgctc tttctctaaa 463740  
tacatacgct atctacaata taacctcatt aattcaacat caatttctaa tgtgtcgctc 463800

aaataacttg ctattcacca acaattatc ttttaattaa aatatatggt aattaaaaca 463860  
ctaatgaatt aaaagcacat tctctctata ctcaaatg accaggtfff ctagtctcc 463920  
gcaagcacia aatacatctt ttcatattc cttctagct tgcttccctc ttgctactag 463980

ctatatgata aaaattacag gctttgctct taatttttct tatttatatt tattgattcc 464040  
 tcattttatt ggttattaaa atttcctttt ttattctttt tctttccaaa caccaccttt 464100  
 cttctacact atacttttag cactggcata aggacagtgc cagtcggtct tcttgtccat 464160  
 ggcttgaga attcagcccc cagggaacaa gggcagcgct acctgtatcc ggagggcatg 464220

atcttgctaa cctagctctt acccttccac cacaaccact cagcctgcct ccctattttt 464280  
 tatctttcta tcttactgtt actctgtttc acagtcccag gagatgtctc atactcagca 464340  
 ttaccactg tggccccctc caacacatac acaccattc ccttactgag caagctatat 464400  
 atcattatga gaccatcatc ttgacctg acactgaatc atgtattttt ccataggatt 464460  
 tgctggcaga aaatgggatg ggggagaaaa aaatcgtttc catitttaaa aggttccaga 464520  
 aagacaatcc tacctttccc aggatttga gaaaaaggc ttccaaactc ctgctgcttt 464580  
 ggctttaaag tatgtgacct tgacatgcct ccagcctggg tgacctggaa tcgcggttc 464640

ccattggtag gcatttgtct cctggggctt aaggcaggca gatggatgag gctctcagcc 464700  
 acgttgttct gaggagccat cctcctcct gagggcatct tgagatggag gttgttagca 464760  
 aggtttgcca tagtgggact cgatgtgctg ccacagggcg aggggcccagg agtcccggag 464820  
 tgggctcgga tggcaggaat gtgatgacca ctgacctcc tagggccctg tggggttccc 464880  
 gatgtccggt ggagactcat gctgcatgat ctccattca ttctgaaaaa cctgtggcca 464940  
 agacggtcaa atatccaatg tcaataatga ctctttcag gcaaagtcca ataagttatc 465000  
 catggtgtgg gttataagcc tgtttaaaaa aataaacgca ggcattttta aaagcaaaaa 465060

tgaaaataag atacagttag tttttcaacc tgtgtatcat tcataaggaa gaaaagcagc 465120  
 actcttagca agatggcctt ttatgtagaa aagggtcctc aaatacacgg ctcataggca 465180  
 ggcactctcc cttctgcac tcatggtgga catggattat ggatcactgc attgttttgt 465240  
 ttgccactga gcccttctca atacagtgtc ctgggcaact acaacaatct actggtgcca 465300  
 gcttgcaaaa caaaacttat ttgttcct agaggatctg tccatactag ttcacttttg 465360  
 ctacagtggg tcttgggaaa cccaaaagca ccacctacct gagctgtgag accaatgctt 465420  
 caaagtcca gtaaacacc acaaagcaga catggcttct aaatgagact atggggacac 465480

taaaccatct ctgattttca ctttaagagc tatcttgta cagtccttag attcgaaaaa 465540  
 gatgaacacc taggcctggg aataccataa aattttata tatccacata ttcatatatt 465600  
 caaatattca tggcagcatt agagcttgg ttccataatg atcctgagtt atggggatgg 465660  
 gaagagaatc aacaacagga tactgcaacc ttccactaaa atcctagaaa agagaagggc 465720  
 tgtgcaaac gccttacagg gagcataagg agagaacgtc ctttctaaaa gtgacctgtc 465780  
 cagtagtgac atgatacatg acattcagta aatctacat agttccataa agcttcctaa 465840

cattaaggaa gcagaacaag aaccaagaga agcactgaca tgatcgagg acgtcatcac 465900

ccaccacgt gatgatgccg ggttgtaaat cactaaagaa ggccctcct tcccttgacc 465960

aatagctccc caaatgtat gcgatgaggt ggtaaagtgc catggttggt ccactatgcc 466020

aatgtatta tagacactgt cacaatctgt ctttcagaga tgacagtcac ggaaagaagc 466080

caaagttcaa caaacacagg aaataaggac tgagtacaaa gcaggagtga ccagatatcc 466140

tcaagtggat gattcctaatt ttttgtgtat gatccactca aagtgttgaa caaacatttt 466200

tcaactcaac ttccaaataa aggactccat aaataatcga gaaaaggcta tcaaggagaa 466260

acactttttg tgaagagttt atttttcatt tttagaaaat caaaaatatc taattttaac 466320

tcaagcactc aciatgcctt ctgcaaagtt tgctgtgtgt gcctatcttg aggaaattca 466380

aaagtaatta acaatataaa atgtagaatg ttttcttaatt tcttactaat tctctatttt 466440

cactaagaat gccatcagtt tgtgacattt aatactatca tgccatctag ttccggaaaa 466500

cactcagcca cattcctcta agtcagggtct cactcctgcc ctcttctccc atgagtacga 466560

agcaggagtg accagataac ctcagttctt acatttgtaa aattccaatg ctttttatgg 466620

tacatttatg taggagaact cctgtgtgtc accagccagt ctgtaaatcc attcattggt 466680

agatcatgag caacagtcac ttaatgtctc tgtactttgc cagataaaat tggccatcta 466740

ttttcctctc attgataaaa tagtgttttc tgagcactct gaaccttgca gaagaaagca 466800

cgtattcagc agcaaccac ccccgccaa aaaaaggcaa aagaaatatg tcacattggc 466860

aactttttta aaataaagaa ttgttcaaca tgactggaaa tatgagtcac taagaccatg 466920

gtccaagtga caagtgtctg cagattttca gactgtgccc atttcaggt ttttaaaaat 466980

aaaggagtca tttttttgg cagcaagatc atatacgagc aggaattctc atcaaaaaat 467040

ctggataaaa acacataagg aggtacttag cagatcatt aaaaaggta gtttgcaaga 467100

aggaaaaata attagagcac tgacaactta attaagtatc aggcattcac atctgcctgt 467160

cttggaatga atatttattt tattttattt tttttataaa ctacactccc gttttaaata 467220

gttttaggtt gaaagtaaaa acaacaaaaa gtatacttaa attttattac taagaaagca 467280

acagccagaa agtaaagtga ttaataccat aacgaaaaaa ccaataggcc aatggcatgt 467340

aagctgagca aaaccagcct caagacaaaa ataaaagaaa ctaaacatga aaatatggcg 467400

aatatccag ttttcacatt aattacgcca acagatttct caaacattag atattagaat 467460

gtaaaaaata atttcatcta tttatatgat aatattttct atacttttta gctaggccat 467520

atgatgaaga tataatccta agtctccttg gtaacaaaaa aagggataaa atgctattat 467580

aacttttaag aaagaccctc atagagtgtg aatgaaatgg cactcaaaaa gtcaagatac 467640  
ccaagttcta ctctgacaa atcatttata acttttctgg acttacagtt ttcatccat 467700  
aaaaagttca ggaatttga tctattcatt acggcctctt gaaattctgt aactccaggt 467760  
aatttagaaa agaaagacta tcaagaacac ccatttgcta taatcaagaa taaatatga 467820  
gattttatac ctatggcatt taaatctgga cggtagacat ggaagcaaaa aataatagca 467880  
ttctctacca ccccatcaa agtgcgagct gatagaaaaa ggcttgccca tcagcgatgt 467940  
gttgtctatg ggcaatacta accatgaaca acaatttca acattgcatt tacactttgc 468000

caaaaaggta aaatcacaac taactactgt caaaaactta actgacagga ttccatcgga 468060  
agagcacctt tctagttaaa aatccaatca cattattcta gtcagcattt tctcctctgt 468120  
tctccatcga actactctac cccaggctac cagtaacaaa aacaaaagaa acaagaaaaa 468180  
gaaaaagcaa ggaacatcca gaggtataaa ttaggatatt ttggatctga catttgtgga 468240  
tagctagagt ttatactac attggttcct acaatgaaaa tgttcattct gctaatatga 468300  
gtcagcatga aagttaataa atctttcctt ttgaccactt tcaaactctt tgaacacact 468360  
tctgtaaatc aggtcagaga ggaaattact taaccctaag gaaactaagg cacaaaacca 468420

tttagtaatt ccactagttt ttctgaaaat gcgtgacttt aatcaaaata taaaatcatg 468480  
actctacctt ctaccaagg ctccaggcac tgctcatcat ggattaaaag attaaacaaa 468540  
cgaaaagcaa tgtaactca tccattccag aaaatttcaa gaacatgact tccataatgc 468600  
ctattttag ctaaaggccc tttcttagta aatatcatta acagacccat ctagagtcac 468660  
aactcatctg atgagccagt taattattaa tttcataca tcatttcatt tccttaggct 468720  
acatttagcc ttgtttacat ttccatttc ttagccaca agcacttctt actctgcata 468780  
gaaaaccga taatgaggca caaatactg gccagcaaac aaactgcttc tgactctact 468840

tcttatatat ctgtctaagc catctacaat aagagttttt attgatecctt tttatTTTT 468900  
ccctttgggt tcatgactgt ataatttcat taatgccgcc tttcaacat cgctgccttg 468960  
ttaataggtc cctgctattc ccatgggctt ctcttggtac agcttttgta gccagaagaa 469020  
tctagaaatg aaaagcctat tgatagataa tataagttat tctcatgcac ggctgcagtg 469080  
tgaagcacat ttcgcaattc aatcaaggac agatagagct gaatgttctt agatcctagg 469140  
agttcattta aataagcaga atgtcccttg tcctaacaca ggtgactgac tcctcagaaa 469200  
agactgtata aacaaaaacc aatcacgtaa gtcattttat tggcaacaat ataaacacag 469260

ctatattaga tgcaccaat aaatcaaaat tattcttgtc tgcaatttta accagaggaa 469320  
agtgcaaaca tgtgcctgtg aaactggagg atattataga ggaaatatat tggatgtgta 469380  
caacattatt tcccaaatt gaaactggag gatactatat tatgatatga taaccataa 469440

caaggtagag ttgatcatt tctgtggttc cataatttta tgcagtacaa ctgacaaatt 469500  
 catagaattt gcaaccgaag ttacacagaa acagaactga gataattcct cattattgaa 469560  
 atgtggagca gaaagttagg gaggttacac ctaataacta gaatgtatag acctattcac 469620  
 ttgggcactc ccaaggccta acgttggtaa ttctaagaat atgaatatat ttattctgaa 469680

caccaaggtg tacaaatgtt acttaagcaa tataatcacc aataagacga aataaaagag 469740  
 gttttatttc tgagttatac caactgaaga caaattagtg tcctctgcag ggattcttca 469800  
 agaccattct tccaaagact actcagaaaa gataatgtaa tgaacatgag ggacctcacc 469860  
 taatagaaac tctgacttgg ttttatctgt caattcgaac ctgtgcaatc taatcagaga 469920  
 tataaatgtt ttaacttttc atttttatat ttataaaaat tttctcaaaa attaaaataa 469980  
 tctttcctaa gtttatagag tgaaaggact ggccatgtca ctttaaattt aaattaatgg 470040  
 ctatgacatt caaaatatgg gtagtaaata tgaacaggac acagaagaaa gaaaggagag 470100

aaaagggaga ggaaggagt aggaaaaaaa gaatgaccac atccgattca ggaatttact 470160  
 cctcttagtc aatcctcatt taaaaatcag aagcagcatt gagagccttc cacacagtga 470220  
 taatggctac agattgctgg agcaaaattca ggaccttcag gaatacacgg ctcgagggca 470280  
 atattaaaag ttcaataacc tctcttagaa tctcctttgc actcttcagt gcatctatat 470340  
 aactttcata tctctctagt ttactaaatg tcactacttt cactagtaat tattagaagt 470400  
 gtttcattta ctttgcccca gtcattaact catcaatgag tacagaaagg tctagagagc 470460  
 catggtccta ccaaaaatgg caaggagaa gaggaaaatt aggggttttc ttggtcagtt 470520

ataagaaatc acacaaaatg aaaacgaact tggaaccaa aagattttta agaaaaacgt 470580  
 aaataagttc agaaagiacc atgccttggg ccacacaggct gtaagttcct acatctacat 470640  
 tcaatgaagt attcatttta aagtagtgtt tttcaaactg gattgcaatt cattggttgt 470700  
 ccatgaaatt aattgttcaa cggagaaaagc attatttaat gaaataggac tactagaata 470760  
 aaatagaagc tattggagtg catcaaata attaatggtg aactattggt tttacttcac 470820  
 ttatttggg gtatacctat ctgcccattt gtatgcatat acatcttctg ggtaagacaa 470880  
 aaaatatatt gtagggtag tcacggccaa aacagtataa aagtcactgt taaaaagcac 470940

ttggactatt tgtctacca agtacttacc aagaacagct gcaggtacag agttgaacag 471000  
 tcaaagtaaa ataaataaca aaatatagct agaatagaaga acagaaaaga tctaagggtt 471060  
 tgacattttt ggctttataa aacgtiaagga ttcaatgata caaagcttca ttcctaccac 471120  
 tgctatcttt cactgtgcag taagtatcaa ttgatcaatt gtgctcaata agtaataact 471180  
 gatcaaccaa ctgacagaat aaggatcaaa attaccgaaa attttggatc tttttcattg 471240  
 caggggatag gtaacttccc tggaataaaa ctcccctctt acactgctaa agtgggtaaa 471300

gtttaaatta acacacaatg tctttgagaa ctgagtcctt caaatgtgt tcttaatatg 471360

agtttagccat cagattctga aaagaggaat ttgaaatgga aaaatgaaca cattcctgat 471420

gatgtcactg ctgaattaat tacctgaact gcaaacactg aatagcacaat ggccagggtt 471480

tgagacacaa aggcttcttc ttcagaagta tagaagtaaa ataactggct ggagatgttt 471540

ctttcaagaa aaacaaacaa acaacaaaaa aacaagccca tctcacaca agagggtaca 471600

taaggaataa aatgtggcaa atgaaaagag cattcattat cctttagtct gtgtaactaa 471660

acacttagtc catatgacta agtatttgca aggctaaaaa atcacaatcc ttcaaaaagg 471720

gtaacaaaca tctacctatg gaagattcta gaaataaaat ttatcactca aaccaaatat 471780

tcaggcatct tattgtgtcc ccatcacaca tgtaactgag tgatattttt ccttcagcat 471840

agttattgct taaaagtac cgatgtaact atttctggct gttggtagac agcagtttta 471900

cagaagttaa attatgttca ctgacatcac tgcggaagta tgaacatcca caacaatgac 471960

taggccctta accaacaatga caacatattt attaaaaaga tttttgaaa acctctgtga 472020

atgactcagc caagttacag acagaagtgg aatctatcgg tcatgctgaa aaggttggga 472080

aaacattaat ccatttcttc acacacaaga ataacaaaac ttctgtaact gccctggcat 472140

ctggttgggt tctgtgtlac aatattcagc aggcctacaa aagaaatttg atggagctgg 472200

cttagaactt tagaaatcac tggattcag aaagtctgat ctctttatca tggagcatag 472260

gacaggatct gatcttgcat tgtgacgcta tctgcccatc tgcagttgag caagtcttgc 472320

tgctcctgaa ggaatgtgca gtcattcttg ttcttggtt tgaagagatc atgtcagaca 472380

agggtggccc caccagcttt ccttgactca agtctgccct cagctactga gaacctcata 472440

attcaagttt tacaaattcc tttcttccc aaagtgggaac atgattggat ctttgtttct 472500

gttaattcta caaacgcct tagagtccag ctgatggtc ttttccctcc tcttttattt 472560

tgttctcttt tccccaaat ccagatccta cttatctct aagcccaccc caaacacca 472620

cttaggccc tcttgatcc ttttttagtc tctataaatc tgacctgtaa aaatggggat 472680

aatgatgcta ctgtcatag ttcataatat tacagaataa tgggccaggt gcggtggctc 472740

acgcctgtaa tcccagtact ttgggaggcc aaggtgggtg gatcacctga ggtcaggagt 472800

tcgagaccag tctgactaac acagtgaac cccatctct actaaaaata caaaattagc 472860

caggcatggt ggcacatgcc tgtaatccca actactggg aggtgaggc aggagaatca 472920

cttgaaccca ggagggggag gttgcagtaa gccaagatca caccattgct ttccagcctg 472980

ggcagcaaga gcgaaattat gtctcaaaaa aaaaaaaaaat tacagaataa taaatgagaa 473040

tccacatcac atgcttagca cactgttcag cacacaaaag gaccaataa atgttatatt 473100  
 actctacaca cctctctttc aacattcata actttctaca ctacattaca gttatttgcc 473160  
 tgtgtttcac tttcctgtct aaattctaatt tttattaagt tttgggttca tagctaattt 473220  
 atctttgaac tttccccage ccttaccatgt acacagattg ttttacacct atatatattt 473280  
 ttcacagtac atttatcata tagttatgct acatctatat attcacatac atttattcta 473340  
 tttatattgt tcattctgta ctgctcatac tgaaaaacat ggtgtgaagt aaatatacaa 473400  
 ttataacca catctataat ttactgcctg aataaatata atataagtga ggtgtgacca 473460

taatcatgaa tcccatggct tatggaacca gtttaattac agttgcatgt ttcctagtct 473520  
 tttcctttct ctactaggaa aaagtggcac agaaattcta ttccattctt ctgggttaggc 473580  
 atgttatctt tgcctttatc ttggcctact ggtgaacaat gaaaaatccc agctaaaagt 473640  
 tgcaaatgaa cagtccaata ctgaaaccag gcacttactt tttttttat tatgggggtt 473700  
 gctggccctc acgaaaggac ggtgaaatac actctgggtt gccttagtgg aaggaacgcc 473760  
 tctgaatttt cctgcttctt acactgggtg cacattagac atttacttgg tgtctgtttg 473820  
 gtctccctaa ccagactgtc atcagaatat aaatatggct tcagtttggg tagtgttttt 473880

ccttaattct atcatattaa gtaatgcctc actaatttct gcaagccaga ctgtttccat 473940  
 catctttaaa gggggagtcc aaattatttg acctaatata aggttgttgt gttgagcgaa 474000  
 agaagccaga cccaagagtg catattgaat tattccattt acacaagatt ttttttaaaa 474060  
 aaaccagaca aaactaatat atctgttaga aaccagggca acggttacct taggcagagg 474120  
 tggtaactag aatggagtgt gagagatgtt tctggtgtgt tgataatgct ctgtttcttg 474180  
 atctggagac tagttatgtg ggtgtgttcc acttgcaaaa aaatgcatcg agctcaagat 474240  
 aagtgtgctt ttccgtaagg atatttcac tcaatagaaa atttggcttt tgtgtcaact 474300

ctgcctaaag taagtgggaa actacaaaaa ctggggactt ggacatcttt taatcaaact 474360  
 atgtatcaat gtcatttcaa aggttttgtt atgtgtcatc ttccttgaat gagaatggca 474420  
 acaagttttt tttttatcac acagatttcc tatgtgcctt tttccccag tctgatagt 474480  
 ctatgaacca accaaactta gggaaaagta aaacagttaa gtctgtatt tccaccttat 474540  
 ttacaatata atgccctcta cagaaaataa tcacagaaac acagaaaatg acttctccag 474600  
 agatgagaaa tgtgcatgtg acgccactct gagttatctc cttcaagaag tatgtattct 474660  
 ataactctggg agaagagtta attaacactc caactccaaa gatcaataat tataatatga 474720

gagagacaac agtggaaaaga atgaatgtcc tcaggcttaa tttactagca ggaaagaaca 474780  
 gtcagaggaa aaaaaaaaaa aaaaaagacc gagaacactg agctctcttc tggaatggca 474840  
 gaaggaccac tttctcctgc ataatgaag gcagggttaa taaaaacgt tttctgggta 474900

ttatttaacc tctcctaccc aggcctatctt agctcagtag gaaattcacc cactaggtgg 474960  
accttggagt tcatccacca cccaataaa gattgccttt cttatttgaa gtgatgatca 475020  
cttcttccaa gcaaaccaac aaacctagg tattcaacct ctgataacct gcctactaag 475080  
gaacttcagt ggaatcaggg gatcaacgat gctgtcccca aactggccta aggtgaacca 475140

aggggagaag ttaacagcag cacttaatt gatctactca tactcaagga ttactgagtc 475200  
ttctgggcaa gaaaagaaag caattacaaa ctaccaataa ggacaggtgt ttgaaaata 475260  
gcgaaaaaaa aatgtccctt acacttctt tcaaaggtag cctcagagct agtctggctg 475320  
cgcagatgac cagtgaatat aaatgaaaac tgcagtacgg ttatagatga tccttacacc 475380  
tcagcttggt ctcaattgca aaaaaaaaa aaaaaaaaa aaatgcataa aatctaacac 475440  
tctcctgtct aaattgcttc aaactttctc agaacgacct tcatcgtggc ggattctttt 475500  
tctgcaaacc ttacaggtt gcacctgctt cacacagaac cagcggaac aaactaggag 475560

gagataaaag agaagaagta ggaaggttta aaccaacaca agtcgatttt gtacccaaaa 475620  
aaaaaaaaa gtttagtcta aaaagggagg tccagtgagg aacaagacag agggtgaaac 475680  
agaagtctgg cttactccca aggcagaaat catgactcat caaagcttcc agaggggaca 475740  
gaaccagact ttgcatttgt cttgaggtca tcttcgagcc aagaaatgct ctcttaaccg 475800  
ggacctgaga actttaaggg tctgcgacaa ctggctgtga ggccctgggc aaaacctcta 475860  
acgtctctgg ggctcggttt cctcatcagg tgaagccagg gtccactcta gctttaatag 475920  
tctctctcag agattcccgg ccccatacta aagggacctg gtccactggg gggagctgca 475980

gaacttcctt cttctcaca actccagggc cctggggccc caactctcgg gagatgctga 476040  
agtcttgagg gaagtgtgtt ctgccggctc ggggagaggg tgcaagagca accctctttg 476100  
tgaaacgggg ccgcgactcc acgagtcctg tctctacgga ccctactccc tgtgattccg 476160  
gaagcacctc cctacccttt ccccaggttt acatgctcca gagatgaggg ccaagcgat 476220  
accggggcaa actagctggg ggctcaagga ggcacacaga gcagtgtgtc cagtctcga 476280  
gaccactcct gccaaagagg gggctggaga agtcgggaga ggtgccggga gcgggggaga 476340  
ggcgctagg acaaggcagg agggggcgcg cccttatcgg ttcctatag gactggcttc 476400

gctgccgggg tcggagattc ctgcgcgagg agctaggggc gggtccggag gcggaggcga 476460  
cagcgcccg cggggtacgc gcggctgcga cccgtcact ccccgccgc ctccgcccc 476520  
aacctcggc cccgtgcgag agcgagcgag ggagcgaac cagcgcaaca aaacaaacta 476580  
gtgccggctt cctgttgtgc aactcgtcc tgaagtgtgc gggggccgaa aggggtgtgc 476640  
ggctgggaag cccgggcgc ggggacctgc gcgcgtgcc cggcctggcc ggagcctgta 476700  
gccccggggc gccacggcgg ggctcgcat cccccacgc cggcccccg gtccccgccc 476760

agccagtgtc ctcaccctgt gggtttccttt cgcttctcgc ctcccaaaca cctccagcaa 476820

gtcggagggc gcgaacgcgg agccagaaac ccttcccaa agtttctccc gccaggtacc 476880

taattgaatc atccatagga tgacaaatca gccagggccca agatttccag acacttgagt 476940

gacttcccgg tccccgaggt gacttgtcag ctccagttag taacttgaa ctgtcgtcgc 477000

gggcaagggt tgtgtctagg agagagccgg cggtctcactc acgtttcca gagagcgacc 477060

cgggcccact tcaaaatata cacagggtca tttataggga ctggagccgc gcgcaggaca 477120

acgtctccga gactgagaca ttttcaaac agtgcagaca ttttgcggg cccataaaa 477180

aatgtaaagc cgaggtgacg aaccggcggg ggagggttcg tgtctggctg tgtctgcgtc 477240

ctggcggcgt gggagggtat agttccagac ctggcggctg cggatcgccg ggccggtacc 477300

cgcgaggagt gtaggtaccc tcagcccgac cactctccgc aatcatgggg acaccggctt 477360

ggatgagaca caggcgtgga aaacagcctt cgtgaaactc cacaacacg tggaaactga 477420

aaagacaact acagccccgc gtgtgcgcga gagacctcac gtcaccccat cagttccac 477480

ttcgccaaag tttcccttca gtggggactc cagagtgggt cgccccatgc ccgtgcgtcc 477540

tgtaacgtgc cctgattgtg taccctctg cccgtctac ttgaaatgaa aacacaaaaa 477600

ctgttccgaa ttagcgcaac tttaaagccc cgttatctgt cttctacact gggcgctctt 477660

aggccactga cagaacatg gtttgaacc taattgttc tatcagtctc agtcagcgca 477720

ggtctctcag tgacctgta cgccgggagt tgagggtcgc gtatcctta acccgcgca 477780

acgccaccgg ctacagtag aaaactatgt gtaatcccta gtttgcgtct ctgagcttta 477840

actccccac actctcaagc gcccggtttc tctcgtctc tcgctgcga gcaaagtcc 477900

tatggcatcc acttaccagg taaccgggat ttccacaaca aagcccgcg tcgggtccc 477960

ttccccggc cgcccgagc gagtgacagc gggcgccgg cgctggcgag gactaacttg 478020

gggtccagc cttcagagc gctccgggg ctgtgcctcc ttcggaatg aaaacccca 478080

tccaaacggg gggacggagc gcggaaccc ggcccaagt ccgtgtgtgc gcgcgctct 478140

gcgaggcgag cgccggcagg gggaggagga ggcagaggcg ggggtggctg accctcgca 478200

tcagtcatt ctccctgct acacacatac acacacaaat aatgtttcta aaaagttcag 478260

ttgcgacttt gtgcctgcc tgtcctgttc atcctcgtcc tgggccgggg aatgcttctg 478320

ggggccgacc cgggatgct ggctaattgc tgcggcggg ttccgtgcc ggtgtgacct 478380

tggacggcg gcacggcgta caggggtcc cgggaggggc agtggccgc gcactcgccg 478440

ccgtgcccc tgccgcccgc gctctgggt gcccgggcg cgcagtgtg acgcgctgc 478500

agggagaggg gaagggggaa gagggagggg ggaaggcagc cgggcgagga gtgtggatgt 478560  
 gtgtgcggcc gcgagggccg gcctgtagcc agctgcttcc tgagtgtgag cgccggaggg 478620  
 ggagggggaa gagtgggggc gggctcgagg gtcactaggc tggccaattc gaaggccgag 478680  
 ctgtgtcttc cctcttgacg cattcacaca cacacacaca cacacacaca cacacacaca 478740  
 cactccccgt gcgcagaag tcgaggaact ccagaacagg gtaacagcag ggagacactt 478800  
 cgcttcttc ctggccttat ttgttaaact gacttatitt aacatgaaaa agtgtttagt 478860  
 tttagacagg atttgatgtc aggtcataaa aaaataaaca aacaaccaa aaaatccggt 478920  
  
 agtaatacgg agagaataac acagtgaaaa atggcaaaag ggttgctttg aaatatcgga 478980  
 tcggatgcac atgacagctt cgaaactgga taggtgaagc actaaggaag gctttggcat 479040  
 cctttccaag tataggcagg gaagagagga aggtgatgga agtgtagaa gggatataaa 479100  
 ttctgaacac aggtgttaa gaatggaggt atattccctg cgtatgttac gtctataaag 479160  
 tggcacttta tccttatgaa ttcaacatcc tcagcctcat accccaccta agctctgact 479220  
 cgccaccgct tctgcttggt ttgaccagag cctcaaaag gttgttaca gaaagctctg 479280  
 tcctagtagt tcacacatg tattgccaca gatgcaagga cttccatctt gggaatctag 479340  
  
 glatgtaatg cacacaatat cctccaggta ggcctttctg cagttgacag tattattcac 479400  
 catcatgaat gaaatgagtg aggatgccac cagacactta gaatttcaca agtccttata 479460  
 ttctattcta ctgttaccac tccaatataa attagcaatc aggtagtaga tgctttgatc 479520  
 aagacagaag tcctcaagga cacaatgac ttacccaga aagccaaaac taaaagacta 479580  
 ttggcagttt tcatttatct aatttcagt ggaatactac taggcttggt ctgtatccat 479640  
 gatattaaca taaccaaag aagcctgggt tccacagtac ttttctttt cttttccttc 479700  
 accttgggac acaactcat cagaatatit gtcagcagaa gtaggggatg aaaaatagta 479760  
  
 agaggtcagg atatgtcatt ctgtcagttt tccagtttct ctctgttcat ctctttttaa 479820  
 tacaagtatt caagcccaag atggcaatag atgggctcaa ccacacgtaa gaaaagaaaa 479880  
 tactcataaa atgaagcatg cagcaacatc acaaaaacaa agaaaccaag tgggtggaat 479940  
 tgccatgact attccattgt ggctagtatt tgcaacatgc ctgacattca cataaaaact 480000  
 ctctctcatt aactccagcc ttaaggaaca gagcaagatg gcaacactaa ccttcaatg 480060  
 catcatggga acttctgttc atcagattct tgtctgtac aactgcttcc caggagcaag 480120  
 acaagcctgg gtggagactg caaaaaacct ttccaatgtc cctcaaatat cattttaaat 480180  
  
 acaatggttt tgatgcatag aatggtatcc taggggcttg cagaagcttc taaaacttcc 480240  
 caaatgatgg gaacagctta gctggaagag aaaaaatat agtgetacac ccaactttaa 480300  
 tcaatagctc atggaaaaaa acactgggaa agttaggagt catcaacctg gagatcccca 480360

aaatctcttc atttataaga gcccaagagt gggaatgtca ttttatttag gtgtgatttt 480420  
catgaacctc taacattcct aaaatattta cactgaaga ggtatagtgc ttgggttgaa 480480  
tttttttctt tttttttttt tctggccaag aatgtagatc tgcaatgttc ttatatcca 480540  
tgggttatag taaaaatgca gttgttcttg taccagtaca accctggaat gactcagaat 480600

gagatctgta cctcttctgg gctgaattgg tcagcagggg tgaggaggagg tggtaatgag 480660  
agacagttag aaaggaaatc atgtagttcc aaaatgatac tctcccttac ccatgagctc 480720  
tccatcgtgc ttaggaatca tactctggca gcccttcagc cagatagggtg ggaactgcag 480780  
cccagtcagt atcttcctc tctagagacc agtgttgat gtgcctcaac cgtgactca 480840  
gggcagctga ctcagcagac aggccctgc tgccagctcc agtccagttc tcattcatca 480900  
gagaaatatt cagttagtac acactctgtc caagtattgg gactaaagga attaacactt 480960  
gtaggcattg tatatgggag gatattacag aaaacttttt gcccagtgct ttagttgtag 481020

caaacctca agaatgggg actctttgca tatattacct catctaattc tcaaatcaaa 481080  
tgtatgatgt ggctatgaat aatctcctac ttagaagcaa agaagttgaa gctcagtaaa 481140  
cagttaaaga gactcagaga cagagccaag tatgccagtt tagaagcccc aagttcaatc 481200  
aacattactg tactacagaa taattgtgca tgctctttga atgtgtataa aacatattgc 481260  
aggtgtataa agtgcaaac atcttgttgt cagtgttaga tgagcacaat gaagtttgta 481320  
gggagtgtag aggaggcagg aataatttcc tgcaatgtga catggagtag cttggctgtt 481380  
tgagctggac ttcaaagaat gagtagagaa gtgataagca aaggagacca tttcaagtat 481440

aggaatcagc atcaaaagg gcacagaagg cataagtcct gcatagcaag cagctcactc 481500  
aaagctagag tacaaaatag gaacatccac tgtctcacag caatgaaact ctcccgaagg 481560  
aacatcctga cagcaaaact tcagaactgc tatttgagtc accctgagtg cttgacagt 481620  
aaaccactta caaacttgca aagaactatg atcagattcc tctcccaca aagtgtccgt 481680  
gaaaagaaac aaatttgaa cccaaaatac agataagttg agctaatagc accagtata 481740  
gtatgcctag ctattaaaac acagacacac acacacacac acacacgagc tggcaacagt 481800  
ccagttacgt agaatgcag tggaaaaagt tagtgtttgc caactttaag gggggaacta 481860

aatgtgtaaa atggaaaatt tccattttac tttctgagt agtacaata gtggaatgca 481920  
gcaaatttca cattatgtta tcagtgtgtg atatactaag aaaacttaag ctgatttttc 481980  
tactaatttg tcacaagtat gttcagccca aactcttcgg ctcacataca tgtcagtgat 482040  
gtaatttttt aaaaaattct tatttacaca tatcgattc acaacatcat acctcttttc 482100  
ctttctaag tcaaaactgt aaatcagagt ctaaaatgtg tcagacaaa tgcaactgac 482160  
caaaatttca aatatttcac tccatacaat atctctcaat cttgtctaata tggtgaaatg 482220

tttcttcctt tttatataca accaagctga gatgtatcta aaattcagag aaaggttgat 482280  
  
 gatgtattcc ttgacatatt acttaggtat atctacaaag agcttaccat aacaaacata 482340  
 aattcataga taaatacaat attccgcagg cagccagtta ttttttcacc atttaacatc 482400  
 tatactggcc aactatatgt gatgttgtaa aattaattat ctaatcacia tgccatctta 482460  
 tctataacta cttctataa atgcctctta atgaccataa cttacttttc ttcatatgcc 482520  
 tttcatggcc tagcaatagt actgggcact agtaagtaac taatgctaata ctgataaatg 482580  
 gattaattaa tgagagaatg aaagaatggt tttttcacct tcagagatga taaatgacac 482640  
 aactcattgt tatgtatgtg tataatcatt tcagtgttcc aaaagagact aacagatgct 482700  
  
 ctttgaatgt gtgcaaacca cactgcaagt atacaaagta caaggcgtct tgttatcaat 482760  
 gtcagatgag cacagttagt gtgtaggagag tgtgaaggag gcaggaataa tttcctacia 482820  
 tgtgatatga agtagctttc tgtaccctta ggctttttat tataaaactga agattttaat 482880  
 attgcttctt atttcttgag gaagaaaatt caaagacttt atgcaatgct tagaataagg 482940  
 aggagagcct gtctgcgccc tgcctcagtg accctctcct gtctgacacc cactactaaa 483000  
 ccaggtcagt tgcatcatac cctgaattct agcctcaaaa taaaaatata tactaaataa 483060  
 tggggagaaa agggaagaaa agaaatggaa aatagggaac gaggggtgcag agaagaaggt 483120  
  
 gaattattta aaaactagt gaaatgaaga aggcagcgca gcactgatac ctcagaataa 483180  
 ttgagagcaa ctagttagtt tggggcagaa ttaagctctg gaacaaaagc aattcagtgg 483240  
 cttttcagac tcttcccaa ctcacctcaa gtcttaataa tacttgcaaa ggggtttgaa 483300  
 aaaacttggg gattttccac aaatcctaac ttcttacgat gttaaaagca ctcaggagat 483360  
 tttcagctgt atacacattt cttttcttgt ttaaccctat acagcaggga agagtgtaat 483420  
 tttattgtcc atggaacaaa tgaccaattg ccccaaagc agacctgcc cgggtaagag 483480  
 tgttgacttc cttcagctg gggacactgc cccaagctca tgatctacat tttttttcac 483540  
  
 ttcattctca caacatccga atcaggtgaag atctagcaca acttccattt tacagatgag 483600  
 aaaagagagg cagagagagg tggaatatct cccactgtc acccaactca tgtgggacta 483660  
 gccaaacttc tactattaa ccatigtctt attacctttt cagggcagga aaccttactt 483720  
 ccaccagaca tgtatttgtt tattcactca ggcaggtggt atgttggaag aagagtggac 483780  
 tttggaatca gaaaacctgg aatcccaact tcaccgctaa ccgagagacc ttgagctggt 483840  
 tcctaaacca cggggaactt cagttccact acatgagtta ttgcaaaggt tgaatcgga 483900  
 ttgtgacact ggccagcaca cgtgtgaaac caggggcac ccctattgat aaggagccca 483960

gcccagagc ttcaaggga attgaccca gcccagctc cactgatggg ctcgatgatt 484020  
 cagagaggaa tctcactccc ttggtaaag tgaatggctc ataatctgg gcctaagtca 484080  
 atccgtgcaa gacattcccc tggccatagg gattggttaa aaaatggaca tgtaaccag 484140  
 ttgggctaa atgagatgtg aacaggaaa ttatttgata gcttctgagg aaggtagctt 484200  
 ctctcttttc tagagagcca ctggaaggt agccttttct cctctgtgtt gtggagagaa 484260  
 aaaaaagtg aaactgtctc cctctcagcc cacacagaag gctcacactt ggtgaaggga 484320  
 aggggtggaga agattacaga gaatagccct gatggaacca cacctgattt ctacctgacc 484380

tcttaatttt ttcatttgta caagtcagta aatgcctttt aatttttaa caataatta 484440  
 cagcaactta tagaggtaac taaggtattt agttaccatc atgaatacaa agataagcaa 484500  
 gacaaacttc aaggggctca ccacctaata aatattatac ttgctttta tgacatcatt 484560  
 ttagtctttt ttgttgttt ttgtttttgt ttctaaatag gatcttgctt tatcaccaa 484620  
 actgtaatgc agtgggtgta tcatagctca ctacagcccc gacctcctgg gctcaagtga 484680  
 tcctcttgcc tcagcctcct aaggagctgg gactacaggt gcgtgccag ctaatttctt 484740  
 ttatttttgt agaggcaggg gggctctgct atgttgcca ggctgtgggt ttttcagggt 484800

aaagtatgg ctattctct cttcaggacc ctgctacat ttggtaatt taatattatg 484860  
 caagagaaat tccatttccc tagtagttac acaatgcccg ctttcagacc agctagtcaa 484920  
 ccctgtgagg gtcagataga gtagttatc catttggttg tcagacaact gcctgaaca 484980  
 gccaggccat ttctacatgt tctcagttac tggtaacaa atgttgcccc agaattcagc 485040  
 acctaatagg aaatacttc atttccaaat tcctactgaa ataggatttt tctattcct 485100  
 agataaaaca gaggcaccca gattttctg gaatggcatt cagaaataga gaaggaaatca 485160  
 tagagaaatg tctgccagg catctctgag tctcatgcct ttttgctgtt gctgctgtta 485220

tgactcctac ctggaaagt ttcagtcac cttgaacac cteccaccc ccatgctttc 485280  
 ctgtcttctg ttccataact aaatgccatt taaaactcta gctatagata ccccttgctg 485340  
 atataagcaa cagaagtaga gagtcttag attctagact gaatttaggg cccaacagtt 485400  
 agacaattgg aacttgataa taacgttatc tcagcagatt gcgtaagtca gaaatgttct 485460  
 ccctgtcact gctttcttt tccttcagc aagaagtga cattaaggag aaagtgaagg 485520  
 tggcaagtta tgagtatct gttaagaca cagtttagtt atggcaatga taacaactca 485580  
 catttattag gggcttatta tgtatcaggc tgagcaaagt acgtaagatt cttgatctca 485640

tttaattctc acagtgtaga ggctaagag tggtaggag gagaggagga cgcagcctcc 485700  
 ctggctcca gggcacacac tcttagctgt aacactctat tgcctcata aagtatgctt 485760  
 aattgtaata catgttgatg agatatgtga taaacataat ttatgtaaaa tttaagaaca 485820

agatctattg tataaattat acatgtaatg acctgtttat acgacgtac cgtgatactg 485880  
 aacttcctgt agttcctcaa agcctgcttt gcaaaccctc cagagccccc aagcctgctg 485940  
 ttttatctcc acaggatgac ctttactatc cacctcctct tactctgtga ggctttctct 486000  
 gatagggaga ataatgtccc cccggccccc cctgcatcc caacaaaaaa aaatccacat 486060  
  
 cctaactcct ggaacctatg aatatgttag attacatggc aaaaaggact taaggctgtg 486120  
 gatggcatta aggttgctaa ttagttgcc ttaaagtagg gagactatcc tggactgtgg 486180  
 aagtgagccc tggattatga atgtgatagg gaagcagaag catagagaaa ctatgttacc 486240  
 aggtttgaag gtgcaggaag gagctattaa ccaaggaata tgggcagctc tagaagctgg 486300  
 aaaagcaatg gaataattcc ttcctagagc ctccagaaag gcacacagcc ctgccacacc 486360  
 ttgatcttag accaaggaaa cctgtgtcag acttctatcc taaaaactg taagatagaa 486420  
 ttgcgggttg tttagggtgc tatttaggtt aacttgtgac agcagcaaca gaaaagtaat 486480  
  
 gcactttctc aactttctc tctcccttct cccccagaac caaacactgc tggctctggg 486540  
 ctctcacaga acactgtcct tacagtattt aatgctcttg atactatctg gggcctggcc 486600  
 acgtgcatcc catccttccc ttagcttctc caggagcatt gtggcttggg gtcacgacct 486660  
 atctgaaagc cttaacctg ccaccacca ctttctgctg gaaggacagg cactgtgaag 486720  
 tgaaaggacc cacagcccat gaactggaag gaacaggaag ggcaggagaa agaagaaata 486780  
 agaggagagc agcaggggga tgcagggagg aggaggataa aggggttacc agaggagagg 486840  
 aggtgagaaa acagagggaa ggaatgaagg aggaagacag ggtcaaagaa gaggagaagg 486900  
  
 aaggaagggc gctggaggag gacacagaag ctaggtggc aacgaaggagg agaagggaga 486960  
 atgaagagaa aggaccttgt tctgccccca cccatctccc acctgaacac cctctcctcc 487020  
 ctctccctg agatctcccc cagccttgag gatccagtcc tagtgctct tcttgcagt 487080  
 ggctctcagt gctgggttct ccttagaata cccagggaaa cttgccaggc cccaccccc 487140  
 agagattctg acttaatcag cctggatggg atctaggcat caggactctt tataagcttc 487200  
 ctaggagact ttaatggga gccagggtga agaaccattg tcataaagcc ctctttgatc 487260  
 tctttgtctc acctgggatg gctctacag tcaaaactcaa agccttgtc taggtctcac 487320  
  
 acttggcagc tggagaggct gaattgagac aattttagaa cccagacccc agagccaaac 487380  
 tgctgggatt tagtctggc tccacattta atagctgagc aactttaggg tagtcaacta 487440  
 agctctttgt gcctgtctct ctatctgcaa aaggagaatg aatatagtca ggtatttgcc 487500  
 tcacagcatt gttttggaga ctgagttaat atttgtaag tgcttagaac agtggctacc 487560  
 acacataatg tatgataaaa gcatttttta agataaaaca gaatcagcct gcatcatctc 487620  
 cgaattgtta ctctatcttg tcaagctgtt caaccttttg tgtatatgcc cgtgcctcgt 487680

ttacaactgc acitctctgt cattccctcc agccaaagcc attgctgtct acataatagg 487740

cactcaatag tctgttaagt gaacaaagaa aaagcaagaa ataattcaaa aatatatata 487800

acctgtcatt aaaattaaga cttggctgta agttaatact tttttaaaaa acaagtcatt 487860

taacaattt ccacttatga acaaaggtct taagcagtgg ttggggcggg gggagcacag 487920

tataagtaac aggaattgtg tggcataagg aagagtcctg agtgggttct caaattggac 487980

aattctgaca ggttacagaa ggtcataaaa taggctgaaa aaaggagagg ggtggaggtt 488040

atgaaaaat acccaggta gaggaataaa aggccacaaa aggcaaactt actactttat 488100

aattgtgcct aagtcaggcc cagtctacat ttctattttg atgactgatt tacatacaca 488160

ctcatataca ttttaactct gaaagtagaa gtccatatg tgttttattt actctcattt 488220

atTTTTtate tttaccagtt ggcctatttt tttttcttc acatgacatc aggagatcat 488280

cattgcaaca agcaactcag cttagaagcg ctgggataac tccgaaagag acatgtgaga 488340

caagatgtag aactttgtat tagagtacaa taaaatttat aatgcacaaa tttggcggcc 488400

aaaagatttc tctcaaaggt atgaaaaaaaa tgtctgtgct atattttcaa agaaacaaaa 488460

taagacatgg tccctgaatc actgtctgaa cgcaaacagc atttggcttt gatctgagtt 488520

gttgaaaact atgaccaatt tatcctgagg atgccaacc atcagagaat gtttttaagt 488580

ctggatttcc atatcaggat tctgtctacac actttttctc ttcatttcac attacacagg 488640

gccaacccaa aatagtactt ccaacaatgg atgtagtgg tatgataatt tcacatctag 488700

ctatgggcaa ggggtagatg ggcctttttc ttactgacat gctcatgtgg cccaggaaat 488760

atataaaaa atataattga acagtaaatg aaattattag gtataatccc tcttctatac 488820

tgtattgata gacttcttag gcaaaactcag ccagtttccg agtgaatggg ggataaagaa 488880

aatttcagaa actcacttgt ctagcaaacg tgccccattg tgcctctcca atctgccga 488940

gccacacctg ctgccggcct tcttctgtct ctccacctgg tccaagaaga gtcactgccg 489000

atTTTTtgaa tttcatttgc aaacctaaac cccaaatata tccattagtt tcagtgccga 489060

atcacatttg cagtgccctt cctgcctcc aaagctaaac tatatgtgtc tgaaggtgca 489120

gacacggggg gaacagatcc agcccatga ggacacacac cagccatctt gcaagcatgt 489180

gtgacaccaa ggacctccta caatgagcca atcaccagg attaccgct cttgggtctt 489240

aggaggattt tttgggaagg tgatgaggac ttgatcagca catacagtct ctgaagcact 489300

ttccactctg cccacatcct tctgaataaa gtaaatgggg gtggtgatgt tgatgtttta 489360

cacttctcta catTTtaggg catctaaatc acccaaaggt aggtctttgt ctaaaatcgt 489420

agtcctgaagc tagagatttg gacccattct gcattcaggg tgcatcttca gatttcaata 489480  
 cagacaaggt gtacaggatt tggagggcag tgggcaactt ctaaggatgg ggactttata 489540  
 gaagtgccta atccgaaagc cagagtgtct tcgcaggagt tcttaatgct aaggagtctg 489600  
 tggatagaag tgiatacctt ttggccaggc gcggtggctg atgcctgtaa tcccaacact 489660  
 ttgggaggct gaggcaggcg gatcacttga gccccggagt tcaagaccag cctggccaac 489720  
 atggcgaaac cccgtctcta ctaaaaatac aaaaattatc cgggcgtggt ggcacatgcc 489780  
 tgtaatccca gcaacttggg aggcctgaggc aaaagaatca cttgagctgg agaggaggag 489840

gttgagctga gttgagatag caccactaca ctccagccta ggtgacagag caagactctg 489900  
 tctcaaaaaa gtaactaaat aaagtgttta gctttttaa tcccatgtat ttcattttag 489960  
 accttactct gagaagcagt ccacaagctt caccagactc ccagagaaat ccattacaca 490020  
 ataagtttcc gacccttcca actgtcaggc cccactctcc ctccctccca agccagaata 490080  
 actccacact cccagctcc taccctacc ctgacttcca ccatctgtct tcccaacag 490140  
 caacatggtg gccctgacct tcttgcctcg gccttatcac cgcctctctc ttttagagcc 490200  
 acctccctg cttctataa aacactgtct tgcctggga gtttgagttg tatgtttaaa 490260

gactgtcagc agtggctgctc tgacaggagc agggaaagtg gttaggtgac aggaattcag 490320  
 ttagatgatg tcttcatttt tagagtaagc ccattttact taaatgatca agaaaacaga 490380  
 aaagatcctt taaaaatcta ttcttcttgg aagtggaaac tacatgatga ggacacgtgg 490440  
 acacagagag aagaactaca gacagtgggg tccaccaat ggtggagagt gggaggagga 490500  
 agaggagcag agaaaaataa ctactgggta cgaggcttag aatctgggtc acaaaacaat 490560  
 ttgtacaaca aaccgcatg acatgagttt acctgtataa caaacctaca catgtacctc 490620  
 tgaacctaaa ataaaagtgt ttgtttttgt tttgttttt ttaaaagaaa gaaactttac 490680

aggctgggca tggtgactca cgcctgtaat cccagcattt tgggaggcca aggcctggcgg 490740  
 atcacttagg gtcaggagtt caagaccatc ctggccaaca tggcaaaacc ccatctctac 490800  
 taaaaataca aagaagagcc aggcaggttg gtgcacacct gtaatccag ctactgggga 490860  
 ggctggggta ggagaatcac ttgaaccagg gactgggagg ttgcagtaag ctgagatggc 490920  
 accacttcac tccagcctgg gtgacagagt gagactttgt ctcaaaaaga aaaaaacttt 490980  
 ccagttgtac acataaacag gcaccatat gagcatgcat gtacatacat gccaattttg 491040  
 ccaataaatt atgtacagta tagttataca tatgaaaaac aaatctgctc ttcctcccag 491100

tttctcttg attgcacttg cattccttgi ctctctctc tcacctgact atgctgttac 491160  
 cttaggcctt ttctatcctt tccctctctg ttttatggct ctgctcactt cgttgtggct 491220  
 tagtgaact gaaggaggcc ttggggctgg tggagctggg tatgccagcc ctgagggctg 491280

tgtcttcagc cagatcattt aatctctgct cctcagttta ctcatccata ggaaaagcta 491340  
 acatttttca ggtgcttact caggccaggc atgttacata tattagttca tttaatcctc 491400  
 acagtaacac tacgaggttg gtaacgttag ccccatatgc acacactgag gtacagaaaa 491460  
 attaaatcac ctccccagga tacacaatga cagtagctcc tctacttttt ccagtcttgt 491520  
  
 ggcttcagag tctgtccttt tagcactatg ctatgctgtt tctttgggga agacaaaaaa 491580  
 gcctcaaact gaattccaca tacctgtgta acagtactct tttgttgatt agagataaca 491640  
 tgggaggtgg aggttggaca tacagaatgc ctggcacata gtaggtgtag ctgtcatcaa 491700  
 actcctctaa tgagtgtcac cctaagcttc ctccgcacag ctccattaac tctggcaagt 491760  
 gtgtctgcct ccatagccca cagggatctt agtttgagca gctgtcttct ttctcagcca 491820  
 ttgtctctcc ctcttcagcc attctgtcga ctgtgccacc tccccctctc catctcacct 491880  
 tccttgcctt ctggatgttt ctggcatcag ctccatttt tcagaaccg tctctccca 491940  
  
 ccaccaact tgaggctctc agttctctca gccagaccat ttctctaacc tccgcgtggc 492000  
 tccattggcc tccagtctct cccacacaaa atttggctga caggcagttg tcagattaat 492060  
 ggtcctggat gtgactcctt gatcttggac ctgtattttt ctctctggca gtatccctg 492120  
 cccaatactc tgttctttag tcaaaatgga ctagtacta gagtctcaa acacacctg 492180  
 agttttacct ctgctgagat gcccttctg gaccagtctc ccaccttaag atcaagttcc 492240  
 aatgccacct cctccgcag ccttccctgg gagtctcaag tgcacgtgga ctctctctcc 492300  
 cttgcatttt cactgggtg tgtgttgcag gaggtaggtg atcagcgtgc atggctttt 492360  
  
 acacctctat ctgatttaca aggtcttaca caggcttggg cctcaatatt tgttaaaaat 492420  
 ataaatgtgt aaatgggaaa aactgaagtc cagaaagagt cactgacaaa atcaataaat 492480  
 caggtagttg agagatggcg ttacataaaa atgtagttag ccatattgcc tgagttaag 492540  
 ccaactctag cgtttattag ctggtgtgac ccggggcaag taacttaacc tttgtgtgcc 492600  
 tcagttttct cagcagcaat gtgggaatag taatagtact tatctcatag gatggtcattg 492660  
 aggattaagt gaattaatat ttataaaatg tgtgaaatga tacttaatac attgtaagca 492720  
 ctcaaatgtg agctgggtgt gttttttatt aatggcagga tcagaattag aatcaagaac 492780  
  
 cttgacttc cagtcagtg ctctttctcc caggctgcat gtcttggcac tgttagcta 492840  
 cctgccacc aatgctctct gtttctcag tgccttact cttgttcaa ctccccact 492900  
 ccatgcaaaa aaagatgcat gcacacaata tgtttgcatg tgcatataca atgaagtcaa 492960  
 taggtaaata ctgctttttc catttaaggc agtctagaac tttgatgatg ctatgtggtc 493020  
 ttcaggcaaa aaagaaagaa agtaagggat ctctgtcac tcacagtga gggtaaacct 493080  
 ctactaagaa aagagacagc tacggaatct ttcatatctt ctctagttcc aagatgcttc 493140

cactagcagt ttctgaaaag ccacatgag aggttcagaa ctcacatgaa aaagaacact 493200

gatttttctg gagccaggca gaactgggtt tagatttcag ctttctcatt cattagctct 493260

gggatttttg gcaagttcct ttaacctctg tccctgagcc ttcatagggc ttagaggaga 493320

atggatgaac caatctgcaa aaggcattaa gctcagggcc gggcacccag cgaacctgc 493380

tgttagctct attcctttgg gatgaatagt gctggaactc tcagggattc agagctgctg 493440

agggtagaaa tgggaagccc cgaaagccag ttgccaaga ccatagcttg tgaagccatt 493500

ctatagctac tgaagaaata tttcctctct tcccttgttg tccttccact ctctcctgct 493560

cttctgtgta ctgactcaac cagagtgtct tttctcggag atacaactcc caccaaagag 493620

aagagaaaga gtctaatttt ggatctcagt taatttggga agtggccttt ctcacactta 493680

aaatcatgtg tcccagatgc atttcctagt ggaagaaaca aatctcgtca tcttgtcagt 493740

ctctagtga cttttcaage tgaccaaca tgaattgag aggacaagt atcatgccta 493800

tctcctacac aagaagcctg agactgaatg gtttgccggg agactctggg gtccttattg 493860

ttagtatttc aaggcctgct cactcagtcc atgttctaaa actctatatg caatgacaat 493920

tttctgtatg ctctccattt aataataagt ttaaagtitt atttttaaat aaaatgaacc 493980

tctatttttt aaagccttta aattgattca aacccttcta aaacagagtt aattcctaaa 494040

cttcaccctc tgccgcctac atgccttaga aatagagttt tccatggaaa actcttttca 494100

tggaagacat acactcagaa cacctcactt tgtgtggcta cattctcatg aactttcctg 494160

caaaacacag tggggactgg agacaacctc cctgggtctt ttggggccag cctctcttga 494220

gatactgctc ttaaccaaac ccaagaggga ggttcctgga aggagaaaaga gtgacttggg 494280

ccgtcagtag gtggcgcccc tccccagca ttagccctga ccctagctca gcagtaccag 494340

gacatgttct tccaggtatg gggttctaga atgcaggcct cttagagcag atatctcgta 494400

ttacctcttg ggatgctgtt gccctgaaac accaagtgtg tcacaaaact ctgctactct 494460

aaattttaga aaggaagcag gatattacat attgtatttt taaaagaaaa cacatattta 494520

tctgggatga tcacaatgga aattttaaat acatgcatat ctatgtatgt atgtatatgc 494580

tattccctt taigaagcat acatcacacc aacacacctc tcctaagcc actgtcagtc 494640

tatctcaac aaaaaagatt tctccacctt tttctggttt tggaagagag gttaggattc 494700

ctacaagcta aattgtaaag aataatcatt aaactcatct agctaccttt gcaaaccag 494760

tgactgctca cataaccctt tcacagattc tccataagg tcccacaact tgttttgcat 494820

ttaaaataca tattcatttt ttgtgggtcc ttaactggac tgactttatt gcaagtcaac 494880

agatatTTTA gcagctccta ctccttgcta gggacagagt agtacagcag gtccttaaat 494940  
 atcatcattt cattcaacat cattttgtga taacattgat gagaaaaaca aaatcagttc 495000  
 ctggccagat tcaactgtgtg gagtgtacat gttctctaca tgtctatgtg ggTTTTctct 495060  
 gggTactccg gttTccacc ataccccaaa gtgtgcatgc taggtgaatc agcatgtcta 495120  
 aatggTccca gtgtgagtaa gcgtaggcat gtgtgtgagt gtgcctgag atgggacggc 495180  
 agcctgcccc gagttggTtc ctgccttgcc cctgagctg ctgggataag ctTcgacat 495240  
 ctgcaaccct gaactggaat aagctggTtac ataattatct tagttatttt tattaatctt 495300  
  
 ttaaaaatgt atgcatagct caaatTTatt tccgtgttta atatgagaag tgttggTgat 495360  
 ctttatttag aagaagTTTT gtTgaccaga aaaacatca taggaactta actcttgttt 495420  
 atatccatta gccgtTggta aaattggTtt ttaatatgt tttgcttaaa gTcacagtgt 495480  
 ctaagaacct attgacaatg ttaagtgaag actTgtgtc cctTcaagga gattaatcta 495540  
 gtTgaaagat gaggatgctt gagcagggca cttagagtaa agaaaagatg gTctTtgata 495600  
 tcctattggc taagaaaaag aaagaatgta ttcagtgcct ttcactgca aggttaagct 495660  
 caaaatatat tctTgcatac tttaaTacc ggtctttaca tcagaaatga ggtggagatc 495720  
  
 aagtTctctt gtacttagcc tTgTacccaa gctgccatca tcaatcctta gcacagcctt 495780  
 tcctTaccba tgcactggct tctcagtga atctTccaga gagTTTTta cagtactgat 495840  
 gcctacccta aagattccga tttaatcact gtgggatgca gcctccacac acattTcccg 495900  
 agacattctt ctTgcagcca cactTgagaa ccaTgcttt aaaggcattt gtaattggta 495960  
 tTctTtagg aagcagatgt cttttTaaaa atatcagtct aaagaagaca caaaatccct 496020  
 atgaaataac aatggcaaaa aatgctaaag tgagtataaa acattTtaga ttacgtattg 496080  
 ctTacgatta tTcatcctt tatatgatac ctattTtcat tagTcataga ttctaaatgt 496140  
  
 atctTTTTta aaaatcagca ggtTgatcac aaaggtggTc tacagaaaaa attaaagaaa 496200  
 agaaaatgag caggcattat tcaagTtct actatgtga acattcatga agctcagaat 496260  
 ttattTactg tTcattTgt ctgggaccta aagaattcaa accattgaga gtgaatgaag 496320  
 tagcacatgt aaaagagTac tctgtaaact ttaagctgcc aagcagatgg aagttattat 496380  
 caataacctt ctTcagcctt actcaagcca agggaattgt tcctTgtatg attgatgata 496440  
 aataatatta aaaaagcaca tctacatggT aaaatctctg tgaagataga cttagaaaga 496500  
 acatgtgtat aatgtcagaa aagcaactag aaaaattata gaaactgagg aatgtcaaag 496560  
  
 taagttattt cagcagctgg gaaaggagga agcatgcttt aaaatgcatg cttTgaacaa 496620  
 atgtattggT attctTggga gccagggTct tGctgcggga gaagtggTgg gtggaaggca 496680  
 gtTacaatga tggaagtgg ggaggtaaagg aagagttatc tggTgtttga tgggaattcg 496740

aggggccagg atgaaccac aaatttaaag aaatgtatat ctccagttc tgttactga 496800  
aagcacctag aatcaatgac atctcagtag tctgagcac acctagggcc cagagtctcg 496860  
tttctgaata catccctcac taaaaggaag cacggagaaa tggctgattc caggactagg 496920  
gcagggaaag tacaaagcga gccgtaagca tcttgtgaca gaacgtaaac cctcaaaaat 496980

ataaggggca gtgtcaaaat aacataggag ccagcttgaa agagctccct ctggccaatt 497040  
atgggcaatt ttagcttcaa aataacaaca ataagttata aaacattggc agcaaaaaga 497100  
gtccagatgt tcacacagag ataaaaaat atataataa gtaataatg gggaagagaa 497160  
acctcttttt tacagtgaat tactaacaac catagaagaa atgtttgttt taaaaatcac 497220  
aaacttgacg cctctgcagt aataacagat gaagatgaca gtcttcaaaa gatgctaaaa 497280  
ctattagggt aaagtttgtt ggtgaacagg atattttcag agcctcaaaa tatctccca 497340  
cagattactt gctgattgca aaggggggaa gttcctgtac agtgggttca tcaaagtac 497400

atcatgtgcc tcccgagtg agctgctgag gacacaacag tatttacatg gtattcctgc 497460  
caaaaatgca caacctgaat ctaatcataa ggaaatgac aagcactcaa ttggaggggc 497520  
attctgtaaa acagctggcc tgtactcttc aaaaatgtca atgtcatgaa agacatgagg 497580  
aaccattcta gggtaaagga gacaaaatat acatgacaac aaaatgaaat gagtgatctc 497640  
agctggattc tgaatgagaa aaaaatcaca aaattgaata ttaattgtat attaggtaat 497700  
ggtattgcat taatcctgaa ttgatcatc atactgtggt tatgttagaa aatatcactg 497760  
tacttagggg caacattcta aaattttatg gccattatat ccatagctcc ctctcaaatg 497820

atccagatgg gggagcagga agaaacagaa ctcaaagtgc gcaaatgtt aacaactggt 497880  
gaatctgggt gaaggtacat ggaagctcat tattctattc ttgcaacttt tctgagaact 497940  
tgacgttttt ctaagaaatg attttaaca tttttaaatg ttttaaaatt tattgtgtaa 498000  
tgtgttttgg taaaatccaa atactaacac ttttttttt ctagaacag gttcttctc 498060  
tgtcaccaag gctggaatgc agtggcatga tcatagctca ctgtcacctc aaactcctgg 498120  
gctcaagtga tctctctgcc tcacctccc aggtagctag gactataggt gtttgccacc 498180  
acgcctggct aattttatgt tgggaggtag agacagggtc tcactatgtt gcccaggatg 498240

gttttgaact ctgccctcaa gctatcctcc cacctcagtc tctactagt acctctaaa 498300  
atgttatcac aaaatttcta cccaataac gtatttgaat tatacttgat cagtaatatg 498360  
agtaactaa tattaatgaa tgatttagaa ccagaattct aatctgtcta cgcattggctc 498420  
acagatttgt tttgttcggc ctatagaatt ggtccttaca gtaggttagt agaggggggtt 498480  
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtcgctgcac aagagtcaaa 498540  
ttagttgcta agtaagaac ataaaaatca tgattttcag cttcttttga aaaatcaaaa 498600

gctggcaaca tttagacttc caatgggcgt atctgagtca cagccacccc acttttgaca 498660

tgatcatgttt tttataggtc aacaaattcc ctccatttct gaatgtctct gaatgtctcc 498720

ctgacctgc atgcttcatt cactccagtt gctgactag cccctaaaag aatttgagtt 498780

tgtgagctga cttttggata ataaagaata aacaggaaag taagaccatc acctctggaa 498840

gggagttgag aaggaggtgg gactgaaaag gcatcttcag ttcacatgc ctcaaactga 498900

actcttactt tccccttctt gaccatecc cactttattg ccaagccaga aacttaggga 498960

tttatecttc acacctttct ctctgtcaat acatctatca aatctatttc taaattctgt 499020

agattttact tcttaaatat tctcaaatct gtctgtttct ctctatttcc aacacaaaac 499080

ccatcatcat caccagcact accaatacca ccattaccac ctacaccatc accatcatta 499140

ctgttgccac catcactacc tccatcatca ccaccgcat caccacatca ccactactac 499200

tatctctact atcactgcca gacccccggg aaccatcacc atcattatca ctgctattgg 499260

tttcagcacc atcaccacac tattccaagc acccaacatt gtattatgtc ttaagaaggc 499320

ttcctaagcg gtccatccat attcattctg gtctctcttc aatctgatca ttacactgaa 499380

ggcaggtgaag ttttttcaaa atgcaagttt tgaaagtctg tctcctgctt gagcattttt 499440

caatggctcc cacagctctc gagatacaaa gaacgttgct tgagaaggct gtaagtctct 499500

gcttggtcta gaccccagcc atttctgcag ccttatttca tacctttccc tctctgctc 499560

ttctattcca gtcatctgc taatttttaa gtccccaata ctacagcatgg tctccgcttt 499620

ttttaaaatc tcaaggccgg gcgcggtggc tcacgcctgt aatcccagca ctttgggagg 499680

ccgagcgagg cggtacacaa ggctcaggaga tcgagaccat cctggctaac acggtgaaac 499740

cccgtctcta ctaaaaatc aaaaaaaatt agccgggagt ggtggcgggc gcctgtagtc 499800

ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccaggaggcg gagcttgag 499860

ggagcgaga tggcgccact gcactccagc ctgggccaca gagctagact ccgtctcaaa 499920

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaat caggcgccta gaactggatt 499980

aatcataatc cttggtatat gttatgctat taaattacce agtgcattgt ctctctatt 500040

tacgtaatta aaataagaaa atgaacattt cagaactccc caccaccca cccagtatc 500100

gagagcatta ccaataactt acatgtctct ttgtgaacct cccatttctt ctctgctatc 500160

cctctccaa aggtaaactac catctctgca ttttgtgttt atttttattg gcagttttgt 500220

tttgttttag acagagtctc actgtccagg ctggagtga gtggcatgat ctcatcttac 500280

cacagcctcc acctcccgga ttcaagtgat tctcatgcct caccctccg agtagctggg 500340

attataggtg tacactacca caccgcataa ttgttttcat ttttattatt atgctttaat 500400  
 ttctggggta cacgtgcata acctgcaggt ttgttacata tgtatacaag tgcagtgttg 500460  
 gtgagctgca cccattaact agtcattcac attaggtatt tctcctaatag ctatccctcc 500520  
 cccatcccc gagcccacga caggccctgg tgtgtgatgt tccccgcct gtgtccaagt 500580  
 gttctcattg ttcagttccc acctatgagt gagaacatgc ggtgtttggt tttccatcct 500640  
 tgtgatagtt tgctcagaat gatggtttcc agcttcatcc atgtccctac aaaggacatg 500700  
 aactcatcct tttttatagc tgcatagtat tccatggtgt ataigtgcca cattttctta 500760

atccagtcta tcaactgatgg acatttgggt tggttcgaag tctgtgctgt tgtgaatagt 500820  
 gccacaataa acatatgtgt gcatgtgtct ttataggaac atgatttata atcctttggg 500880  
 tataactca aaggattggg tatattactc aaagtaatgg gattgctggg tcaaattgta 500940  
 tttctagttc tagatccttg aggaatgcc acactgtctt ccacaatggt tcaactagtt 501000  
 tacactccca ccaatagtgt aaaagtcttc ctatttctcc acttttgttg ttgcctctcc 501060  
 agaactctgtt gttgcctgac tttttaatga ttgccattct aacaggtgtg agatggtgtc 501120  
 tcaactgtgtt ttgatttgc atttctctga tgaccagtga tgatgagcat tttttcatgt 501180

gtctgttggc tgcataaaag tcttcttttg aaaagtgtct gctcttatac ttgcccact 501240  
 ttttgatggg gttgtttgat ttttcttgt aaatttgttt aagtctttg tagattttga 501300  
 atattagccc tgtgtcagat gggtagattg caaaaatttt ctccattct gtaggttgcc 501360  
 tgttactct gatggtagtt tcttttgctg tgcagaagct ctttagttta atgagatccc 501420  
 atttgtccat ttggctttt gttgccattg cttttggtgt tttagtcag aagtccttgc 501480  
 ccatgcctat gtccatgaatg gtattgccia ggttttcttc tctaaagtct ttatgatatt 501540  
 aggtctaaca ttaagtctt taacggatct tgaattaatt ttgtlataag gtgtaaggaa 501600

gggatccagt ttcagccttc tacatatggc tagccagttt tcccagcacc atttattaaa 501660  
 tagggaatcc ttccccatt gcttgttttt ctcaggtttg tcaaagatca gatagttgta 501720  
 gatgtgtgat atcaaaact actacaaact atactcctga cctcaggtga ttgcctgcc 501780  
 ttggcctccc aaagtgtgt tttatcacat atatttatat atgtaaaaa catattgttc 501840  
 ccttttctt gcttttaaat ttcataagaa gagtgttatg ctgtgtatag tctctagaac 501900  
 ttgctttttt ccaccaatg ttatgttgc tgtattcgtc catgtagctg tgtgtagcag 501960  
 ggattcattc atttatatta ctgtgtaata ttccattatg tgaatgcctt cctgcctgca 502020

atgctttctg tcttcttcac ctatttaact cctacttacc tctcagatct cagctcaggc 502080  
 atcatttctt caggagatat tttctgacct tcataactag gtcagacccc cttatttatt 502140  
 atagaccttc aaagcatcat gtatgtctcc tctgtggtca ttaccacat agcagcctca 502200

catctgcatg attgggatct gtcttctcca cttgactgga agctccttaa aggcagaacc 502260  
atgtctatgt ttgattgcta ttaaatcttc agcctaaagc acatcatagg ggcgcagcag 502320  
aagttgctgt ttgaatgaat catgaaaaga agcatttate tctactattc agtacatcta 502380  
actaaacata ttaagaaata agtaactgaa accactttct ctgcatgact ttgttatatt 502440

tttagcacca tcgtcattct ttcatttact cagtttcaaa aattttgata ttaggtctgt 502500  
ttctggtctt ttggggacce ttcacatctg ttcatttact caccttcgtt aactcttctt 502560  
tgaaaatggt gcttgtctca atatgccatc tcaaccctat gtaactcctg cacacataac 502620  
tcataattag aaaagctgca ctctgtgttc cctaaactgt gcataataat tccccatcac 502680  
tttatcttta ttatgtctgt gccctcttct gaaaatgggc tacataaaac ttggtgtttt 502740  
tattttaag atcatttcat agtgaggctg agagcttagg atgctgactt ttcctatagg 502800  
cagaggatgt ggagtgtga cccctgccac ttattttcaa tgtcatctta gataagttac 502860

ttaacttctt tcaacctcag tattttcatc agtaaaatgg tattaataat aacatctgcc 502920  
ctagacacct cacgggattg ttttgagaac catatgagat aaaacagggtg aaaagttctt 502980  
tgtcaactat aagagacaat acacattagt tacattatgg tagttattat tatgattcgt 503040  
attcttctt gatgatttca aactctttct ctcccttttg cacataagtt tggcagcaga 503100  
tttagattct gaaatatctt ctcaaaaaga gactgaggtc aatctgaaca catagtccag 503160  
gattcaaata aatcactaag aaaaatgcaa ggaagcggga agcctgcca tgactcagca 503220  
agcaccattt tctgtaaate acttgatttg ctttgtacca tttctgtaa gtcatttcat 503280

ttgttttggc tctgagtac ttgtttcaag ttccaaaaa taaaataaaa taatcacttc 503340  
aatcatcaat ttctcttacc ttgctttaaa acctaaaagt tatacccta caacctagg 503400  
tagtatcttt acgtgctaaa tagcagttaa catttactga gaacttactg tgtgctaggt 503460  
aatatgtcaa atagttccat ttaatcctca acaacggcct ggtgctgtag gtactatttt 503520  
tgtccacagt taattgctga gaccacagaa tcactcagaa attaaataat ttgtccaggc 503580  
cacacagctg gtaagtcctc aaactgggac ctgaacccaa ctggtatgtc tataaagccc 503640  
atagctacac caccctctct atacttgaat gcataaatgt gagttttcca agctgcaaat 503700

acaatcacat tttttctct gtatgtttta catttgaggc tagcacagga cctattctgg 503760  
ggctgtttat gtcttcttga tgagtgcaca gtcccttg aaaccactta aaaagggtag 503820  
agtaccctt aatgtggta ctagaaccct gaaaatgtgc tagggcataa tgtttgaca 503880  
aacatgaaag aaagaaagg ttaaggaaca acatacagtt catctttaaa tcagcatttg 503940  
tgacagactt tcagagccca ctgaaatttt tctaagcc cacttccctc aaaaccatcc 504000  
ctacttcacc ttccagtgc tctcgattct cctatgattc tttctttcc tgcaaaatat 504060

ccacatttct actaataacc tccaggatgc cttttctact ttcttttaac cttcattagc 504120

actggaacca gacaagatac acttaggatt cacttccacc tagagtttga gccaaaatca 504180

actctctttt ttttgagata aatatgtttg tttttatttt tttcatctat caaagtaatc 504240

ttgttcatga tgtgaagctt gagaataaa ggataaaaag atacatgaaa tcaacctaga 504300

tgcccatcaa tgatagactg gataaagaaa atgttgtaca tatacaccat gtaatattat 504360

gcagccatga aaaggaatga gatcatgtcc ttgctggga catggatcga gctggaagcc 504420

attatcctca gcaaaactaac acaagaacag agaacaac accacctgtt ctcacttata 504480

agtgggagct gaatgatgat gagaacacaa gtacacactg tggggaacaa cacacactgg 504540

ggcctgtcgg ggggtggcagg gaggtagagc ctgaggaaga acagctaattg gacgctgggc 504600

ttacttctta ggtgatgggt tgatctgtgc atcgaaccac cgtggcacac atttacctat 504660

gtaacaaacc tgcacatcct gcacgtgtac ccgggaactt aaaataaaag ttgaagaaaa 504720

aatagtctgt tgaagaaaa tataacacc aatgttcaca gcagcatcat tcacaacagt 504780

gaaaaaggta gaaacaatct aaatgtccat cagtggataa atggataaac aaaatgtggt 504840

atatacatac aatggaatat tattcagcct tcaaaagcaa ggaaatgcgg acacatgcta 504900

caacatggac acatctcgaa aacattatgc taagtgaat agtcacaaaa aaatactgtg 504960

agattccact tacatgaagt atttacagta gtaaaattca tagagacaga aagtggagta 505020

gtgtttacca gggggagggg ggaatggggg ttatttttta taggtacaga gttccagttt 505080

aggatgatga aaaaatgcgg agagcggatg gtggtaatga cggcacaaca acgtgaatgt 505140

tcttaacgtc atgaaactac acaccaaaaa gtagtttgaa tagtaaatit tatgttttat 505200

atattttatc acaataaaaa tggaacctac agcaacagca aggacaaaaa aatgagaga 505260

gaattggaaa cataggctgg aagtgcctgc gaaggagaaa ggtaggtttg gggctgggtt 505320

tggaagaaca agtacataag gactggcata agcgtggagc atcttggtg tgggtgcatg 505380

tcctctcatg ccagcaaggt ttttcttct caccacaaa ggataaagtt attccttta 505440

caacaacaca tacttattga gttgcctgtg ctgacactag ggttacagca tagagcaaga 505500

tacacagctt agagtcaggt ggggtagaca gacatgaaac aagtaatctc ataaatggag 505560

gttacaatgt gatctgtgtt aaggaggatca gatgaaaaag tgggacagga gctgagagaa 505620

agattgattg agagttaatg atgcagttgg ttagaggtg agaagggaga gtgtccagt 505680

tcccaggcag agtgaacagc aggtttcaag gacctgaaca aaaaggccag agcagtgaga 505740

ctgagagagc agagggaggt gggcatggcc agaggacaga tgtcagggtg tagggccatg 505800

ttgtattcag agcaaagagg agtcattaga gtaggggaag agggaggaga ggaggatgtg 505860  
 atatttgtat ccagttttag ctttggaaag aggtgtcaag agaaatgtgg gagatcagtt 505920  
 aggaggggcc tgcagtagtc caggtgaagg aggggtggagg gtgcactagg gaagtcctgg 505980  
 agcagaggag accagacaga ttcaagtggg atttagggag taaaaggtga ggatgaattg 506040  
 aaatgaattg ggtaggaagc atgagagagg aggaggagtc accaacaatt ctgagctctc 506100  
 tgctttgtga agctggccgg aaaggacctt cagaccact gaataaaggc cagtcagtgc 506160  
 caccacatca cacaactcca gggggcgcca tccactttgc agttaatggg gcttgagccc 506220

ctggaatfff gcacaagcaa cagcctgtgt ggcatgagca gtagcacagt aggcaagaag 506280  
 tgtctccctg gacctgggcc taacttctc ctaaatgtca ctctcgagg tgcattgaa 506340  
 ggttgcatc agtgaccgt gtagcagaag ccagtgga tcaagtttct cagttgagct 506400  
 gtccaagtta attctgtga aattgcatca agagcctggg ccttcagaag gctctcgga 506460  
 aaaaggaaag taggaaggca aaagcctcca catgcacgtg actcatgtcg aatgcatgtt 506520  
 cctgtgtgt tctctctcc actctcact gttattaggg ctggcagagc ccagcacata 506580  
 tggcttctg gtcacgtggc cactgatgg aaaagccctg gatgctgcta ccccggggat 506640

ccagtgccag taagtcatgt cctgtagaa tctgccccaa gaccgagac tgactaacc 506700  
 tttgcagctt cagagggcag gaacaagaga accatctcca tgcctcttt agggatttca 506760  
 aggtagcttg gatcatgctg tggccctga agaagagctt ggtagcagct cccctgaag 506820  
 ttccagtga aaaaaccag aaccactca accactaac cagcagcaga tagaggtgtt 506880  
 catggctcag agagtcagga aaacaggag cactaagtgg aatccatgga tgctcaacac 506940  
 cccattctgc tccaccttt tcaccagtgt gtacaggtaa aatgtggctc tgccctaac 507000  
 cataatcccc tgacagatca gccctccat aaaggggaaa tctagagggg ccaagcccag 507060

aatccaaga aagataaagc tctgacttc tgaacaaat catgattatg tatgttaaga 507120  
 agcaaggaag tcgtctgaa gccagagagc ctgggctgga atcttgctct gcctctctat 507180  
 agcttgtagc cttgggtgaa tttcttaggc tttctgtgcc tcagtttttc cctgcgtaaa 507240  
 acaggatagg acataatctc tctgccatc caggtgttgc gaggactgaa agcattatgg 507300  
 cacatgcagc atttagatca gtgcccggca cgtgacaagc atccaataaa tgttcactgt 507360  
 tattactatt agaagaggag tgtgactcag ctcccaggcc taagatggca ggctgacaga 507420  
 gtgcagttcc ctaatagttt ctcataagct ccagcaacca cagctcttga ggtgagtgt 507480

ggtgcaccaa cagcatttgt taaaaaggc ttaggatgat gagtaagagt ctctcaaate 507540  
 ttgctgctt gccaggetat cgttttaaca cttagagaaa tagcctagac ctttttcaat 507600  
 ccaccaatat actgccgact tgggcagctg tgtgagatcg aagaattttc tacctctgtg 507660

gcccttcatt tccttgaacc aaaagctctc tgaagcccat tcccacgata atgttctgag 507720  
 tccacgaccc ccaggcctgc atgttgacca gctaggggaa acctcgcatg tgtgtgtgca 507780  
 gtgccatfff ttcccattca tatectcaca cttttctctg ttagcttggt tccgataatt 507840  
 aatgttttca ttttgacgtc agagtaattc tccaaattta caaatattga caactgaaaa 507900

aaaagatacc tccaaatgat aaaatgcccc ccagtggat ttcaaatgcc tttcatttgt 507960  
 cctggaacta ggtggtatct gggggcctat aataagacca ccataacccc acctacctca 508020  
 ccctcaccag agaagtcaat aggctagaaa gcatttaata agaattgtgt acacactgtg 508080  
 ccaagtacag cacaacccca cctctatct ctacagggtt ctatagcaaa ggatcacagc 508140  
 attccaggat gagagagaaa tttaaaattc atctagtctg cccaccacc tgatatgcga 508200  
 acctcctcca gcatatccgt gccagtagca tctaccagt gtttaaac ctctagcaat 508260  
 ggggaactca caatctttac aacgtattaa tactgtcatt tttcaagt atgaggccta 508320

cttctggtgc tggtaatgca atgatgaatt cgactgaaac agttcctgcc cttggaagc 508380  
 atctagtcta gatggggaca cagatgaata aatgaatgca gcatgatatt atatttattt 508440  
 tagtgtatca attaatttca attaatcttt gtgtttttct tctctatatt tccttgaaca 508500  
 gagcccttgc caagtacgt ggaggttttc acataccctt aatgaaaatt aacactttcc 508560  
 atcaggaatg caaatacaca gaaatgacca aaacttactt ttaggaaatt cagtgtagac 508620  
 tcccaaaacc cacatcagaa ataatggttt tgaaagccaa atcatttctg atttgtgatg 508680  
 tctggatttt gccagtagaa ggaaaggaaa gaagcagggc tccaagaca gcaagggtga 508740

gacaaattgt tcccatactt tgggtcacat tcaaatcacc tggaaggcct gttaaaacac 508800  
 agattgctgg tacccatcca gagtctctga ttcaataggt ctggcacagg ccctgagagt 508860  
 tggcactgct aaaaccttc caggtattgc tgatgctatt ggtccaagga tcacactttg 508920  
 aaaaccactg gtgtagtgtt tagcttttga tagttaatta aaaagcgaaa gaccagtcga 508980  
 gtcaaagatc ccagagaaat taaacaacct ccacttaggt ggaggagat gaaggaggt 509040  
 ggagatgaag gttgagatgg agatgaagag aggtggaggt gaaggttga tggagatgag 509100  
 gagaggtgga ggtgaaggtt ggatggagat gaggagaggt ggaggtgaag gttgagatgg 509160

agatgaagag aggtggagat gaaggttgag atggagatga agagagtag agattaagtc 509220  
 ggaggcaata cctgggaggg agtgggagcc cactgagaag agggactgga ctgaggagat 509280  
 aacttagaaa aaatgcaatc gatgctgaga gacttttcag aatcatccac caccagcacc 509340  
 aggcgagcca ggagtgggtt aagctgattc ctgcagatca cctttgcat tagagcaagc 509400  
 actgtttgtc actgtgtgga aggatcacat tagctgtgct tcaacttctg gtgtggttag 509460  
 gaccctttac tggcagctac atgcatgtca ccataagact gtccgggagc aaacaggccc 509520

atcttgccct gagccatctg tatttgtttc ctaaggctgc ataacaaatt agcataaact 509580

gcatgattta aaacaacaga aatgtattct gttacagtgc tagaagctgt aagtctcaag 509640

ttgtcagcag gccacactc cccctgaaag ctctagagat gaatcctttg ttcttccagc 509700

ttctaaaggt cacaggcact ccttggtctg tggcagcata attctcatct ctgcttccat 509760

cttcacaggg cttctttttg tgcgtgtgtg tctctgagtc ctctccttgt ctctgtgacat 509820

caatcattgg ttttagggca cacttttatt cactacaacc tcattttaac taattccatc 509880

tagaccctat tccaaataag gtcacatcca aggttctggg tacacatgaa tttcgggggg 509940

acactattca acccactgta ccaccaagc taccatcact caacttcctt ttctctccca 510000

tttcaacagc tcattgacact gattggtccg ttgaagcaga agttgcagtt cttgacaacc 510060

agataaataa tgaagctgca gggaaatcta tggagcctgt acttgagcga cagcggtcag 510120

tggtaaatte acccaattac acaatgatga tagagtatga tgggttatga cgaagaaata 510180

tgatgaaggc aggcaactgt cacagacttg agtgtgagcc aaagtttccc aaagttcaga 510240

atgtctaagg tgagacctga aggatgagca ggaataaacc agatgaacat ctgggtggga 510300

agagagacat tgggagtgtt tcagacagag agaacacatg aacaaaggcc cagaaacaag 510360

agaaaatatg atttattaca ggaacaaaaa gaaattcaaa atgcccaggt tgtcaactgg 510420

tacaaggggt ggaatggaaa gataccaggg agactaaagc atgagccctt cctagctctt 510480

cttcaacttg ggagtcctta tgtacttaa gacagaaacc tgttatecct aaatcttctc 510540

tcttttaggt taaaaatgct taattcctcc aaggatttct catatccttt ggattcccat 510600

cccatcacta actattctgg ttgaagttct gcaaatccat tccagcttat ctaaatttct 510660

tgaagtggaa atcccaaat agaagaaaat acccaatcc aacactatag gatcaacaca 510720

ctgaccttaa tagtcaacat tcaatgatag cgcctttcct tcccaggtcc aggtgtagaa 510780

ttgggttagg ttttgaggc agggactgtt aactggcctt cattaccac tatcaccttc 510840

ttctctcag tgacagaagc acccaagctt tagctgagca cacggctgct caactggaga 510900

ctaacatccc tgccttcctt atagctgagt atggccagct gactaagttc cagtacacag 510960

aatctttttc aaaaaaccac ttacttttgt ctctctctct cccgtcttgc tggctgaaac 511020

agtgacagct gtagtagcct tgcaccaga tggaaagctc acattgaaga cagcagagca 511080

gaccagccca cctggggctc tggatgcctt cttaggcag acaacagtat actcactcta 511140

aactaccaac ctacctctgg actattagat gacatagaaa gttctctaata ctttgagcta 511200

ttgtagctaa taggcgggag tcagcctcat gtgctctcta ttgatacaga ttaaatttga 511260

tacaaatgta catagggtgtt cctctacaca tctattcagt aaatatgtca aaacgtctac 511320  
 tgggtactag atactacata ttctgaacct tatacatgat agtatcaata tttctgggat 511380  
 ggggtggtatt attgttcttt gtttacagtc tttattattg tgactaacag gactgacatt 511440  
 aatcttgatt caatgttaac gtttcagct ccctaatttt tatagcattg agtgcttact 511500  
 ctgacagctg ctttatctaa gtcctctcct tcaatcttca gaacaacctt atgagacagg 511560  
 tattatcact ccagtttcac aaattaagaa gctaaacctt agccagggtgc tgcactctta 511620  
 tagtctagc tactcagaag gctgaagcag gaggattgct tgagaccagg agtttgagtc 511680

cagcctgggc aacacagtga gacaagaatg aaaaggggaag ggaaggaaaa gtggagggga 511740  
 aggaaaggaa agaaaaatgg gaaggggaag gggaatggta ggggcagggg aagggaaaaa 511800  
 ggaagaggaa agcaagggga aggggaaggaa aggaaagaaa aaagggaagg aaggaaggaa 511860  
 aaagggaaga aaggaaggga gagaggggaaa gaaagaaaga aactaagtct tttttaaaaa 511920  
 ttgactttaa ttigcttaag aacaagcaaa taatctaatac ttaaacaga aggagagatt 511980  
 tctagcttc tgagtggta agagtgcag aacaagatct tgctcaatga ctttcaaca 512040  
 ttgctctggg ctagtttccc aaatttgata catgaaacaa tagttcagaa aagtgcacta 512100

ttcaatttgt ttaacccaa tgtttcccta acatacttg ctatgagacc cttttgtcaa 512160  
 ataagtctat tagcttccaa tgggattttt gtgaagggtg gctctagacg taattgtgaa 512220  
 gcaatgtgat gcccccccc accccccgca acttcatctg ttttgattcc cctcacttcc 512280  
 agctgttaca cctgattgga aatatcctcc caagagaaat tatattatca taaagctcca 512340  
 aacaacactt tacaaaaagg tgcgatttca ggcaacgcca gggaaaacca ctttgattg 512400  
 ggaatttctt ggattcctta aatcctacct ggaatgggtgc caccttgtct gctctgatga 512460  
 cctctgcagg agaggaaagg actagggttc ctgttaggag cttaagtgct tagaaacaaa 512520

agtgacctct tcatgaggca gacaatactc tagtctcata attcagaggg ctggaatttg 512580  
 agtatcaaga caaacagtta cagcaagttc tgactgagca gtgagatctc ataaaaattc 512640  
 acccaaatgt aggtaatagg aattgattct actacaggta aagaaactga gtaaagggga 512700  
 cagtgaaga ccatctgata gtgtaaattc caggcagggt ctaaactgtt ttccaagga 512760  
 gctttctgga tataacattc agtccttcta caaattacag agagatcaca gaaccttca 512820  
 aaacaagcaa caattaaaac ttggcagcta cagagtatgt gggtagacag aaaaggttgg 512880  
 ctgtcaagga gctgggtgct ggagaggcaa ggaagctggt cagtgccttc tgtccctcc 512940

acccttctg aaacaattgt agtgcaaatg catgttcatt aatcagcaag tccaagctag 513000  
 ggcagacttt tctggctctg ttgacagtgc cagggtcttt gctccagcgt tgtcatgggg 513060  
 aagttattgt tgtcctcctg gcaacagggt acctagggtga acgccaacaa gcccaacctg 513120

gcctagttag cactgggcct gttcagccac tgcctccatg ctgctttgcc tgtcttctcc 513180  
ttatactccc tcaatccaca ctactgcctt tatgagtcac agcattcatt ctcacacaca 513240  
aagggtctac agaaggccac ttacagcgaa cctggggcctt gtccaaggcc attttgtact 513300  
ctgaccttta aaagcatgcc cagccatggg cagtcatgcc tgcctctctc aaccacaaac 513360

tacaataaga gcagctctca gaagagaaat catttccacc tttttttttt tttttttttt 513420  
ttgaaacgga gtcttgcctt gtcacccagg ctggagtcca gtggtgtgat ctcggtcac 513480  
cgcaagctcc acctcccggt ttcatgcat tctcctgcct cagcctcccg agtagctggg 513540  
actacaggcg cccgccacta tacctggcta attttttgtg ttttttagtg agacagagtt 513600  
tcacatgtt agccaggatg gtcttgatct cctgacctcg tgatccacc gccttggcat 513660  
cccaaagtgc tgggattaca ggcatgagcc accgtacctg gcccatttc cactcatctt 513720  
tactgagcat cttagtcca taattgaaac aaattagaag cataagaaat aactccagt 513780

acgatcaaag tctataccac aaagtgaat gaagccctaa gccaatcaac ctgtgaaatt 513840  
gatcaattaa ttgtagacag ctaaaccaaa tggttcagtt aaagtaaatc ctcagttgct 513900  
cgtaaacctg ccagatatag caaataaaaa gatctggtta tgcctactca taaagggtt 513960  
ctgctcta atcatgaatt atcacttctg ctcacagtgc tttcctgtgc aaagccttca 514020  
agtgtgaaaa acaggcagaa ttcagtgtt ctggtgtcta tctccctcac cagccctggg 514080  
gatggcgta acctagctta cacctggcat ctcacgtga gtaccctaag tagcccgagg 514140  
ttaaacaagg gcactttcaa cagggttag ggttttagtt taaacctgaa acatcaggat 514200

ctatttagac ctctcttaga ggcatccatc cctttcaaga agcctcagaa cacacttggc 514260  
atccctggg tcccttgccc tactctgaat tgccccaggg tccctcccc attgaaccag 514320  
atttaacagg ataaggtgat tcttccctca ttccagcctt ggtgtttgta tccagttcca 514380  
agaaattcag ttagttaata cagagctatg acaacctaag gtaaaaattt gcggacttgc 514440  
glaaatttac ttggtgacag gtgatgaaga agaaaggga gggagcaagc agttagaaaa 514500  
cctgagtttg gagatgatgt gctgtgagat cttgagtaag tcattacacc tctgtgggcc 514560  
tccatttccc aatctgtttg ttaccataa gccacatggc atgatattaa agtagggtca 514620

caatagcagt agaaagcaat agttctctgg ctctagccca ctgccaactc ttctccctga 514680  
cctaactctg ggagtctcca aaaagcatc catgtggatt caaaatcagt cctctccatg 514740  
gccacatgtg atatatgggt ttcctcttct ttagctctga atactttcag agatctctat 514800  
ggctaagcta tctatccact aagccctggg tgctgtgta actagcatta aagttgctcc 514860  
acagggccaa agccaccagg ccaggccagg tcaccaatac tctgggtggc agttctgggt 514920  
cagggacctg gatcccttag gatcattgct acagtttctg gtgccagacc ctgagggcac 514980

tgatacatgt gtcgggggtg tgataccacc ctttctcttg gcatcctcac atgagccctg 515040

aaactgaata tatagtttcc gttttatgga aaaggaaagt aagactcagg aagataaaac 515100

aacaaaacca agactgcaaa accagtaagc gacagaacta gggtttagac ccagatccac 515160

ctaactccaa accttgccat tctcaaaac taccattat gggaaacgtg cgatgttcac 515220

tgctccagag ctcatgtccc aagtcctata caatttgtat attccttttag ttggcaagtt 515280

tttatgatag tagagagatg ttcatactaa ttactactaca gatctgctaa aaagatctat 515340

gaaaagaggt ctacaaagtt atctgtcaat tctacatgaa tactcatata ttctgataag 515400

gaagacacta actcactaaa ttccaagaga aaaatagatc aagtaaatgg acaatttcca 515460

gaggacagaa tataaatgac taataaatat ttaaaaatct aatattacta gtaaatgttt 515520

ttaaatgcac taaatgaga tactactttt aacctatcaa attaggaaaa gaaaatactc 515580

agagttagga gtgtcattgg ctctagtgc acaacaaat tggtaacaact ttcccgaaa 515640

glaatttggc aacacataga atcattaaaa gtgcaaatca ttaacccca aaactctcat 515700

tctgggacac agtcctgagg aaataatcag aagctcagaa aaatacttta tctacaaaga 515760

ccttcaccaa agtgttaatt attgtaacaa agctggaaat aacataaatg tetaacaatc 515820

agaaaatagt taattaaata cagccatatg attagatagt atgcagctat taaagtata 515880

tggtcaaaaa attaatgaca taggaaatgt tcatttgaaa ataaagatac aaaatcgta 515940

ggacagtatt ttcatcttt tgatttaaac gaatgaaggc aatattttgc aatgattctg 516000

aacatttcta tgtactctac aatgatgtat atttcttta taatcaaaaa aatatactta 516060

acaaacaaaa agcttcaggc tcttccgggt catTTTTTct gacatgctga gttggacaag 516120

ggcctcaagc atcactgaag taaaagaaca tggaggatcc ctttgggcca atatctgact 516180

cattctacca tatcacaagg ccagacaaaa gctgattaat gttcataata atgacacaa 516240

tagtagcata atagtagagg tggtagcaac cagttttgtt tactcagtac caggctccac 516300

tatccatctt tcagatatgt tgtatcattt aatcctcaca aaactctatg aggcaactat 516360

taccccatc tgaagatga agaaactggg gttcaaagag atgaaaatat ttgccccaaa 516420

ccacacagct taigtgacca agcaggagct aggaccaga tctgatttcc caggatggtt 516480

tgctctttct ctaatgtcta actggaaga ttggcaaggc tgtgtgtgtg tgtgtgtgtg 516540

tgtgtgtgtg tgtgtgtgtt tagttttgaa atgcaaaaac tgtattttgc catagcatga 516600

cttcttttca caggagtcag gacacctgat tctaactcta tcgcttctcc tgactagaca 516660

agtttccttg aacaaggcat atccattga gattttgctg ctgctatgtg ttggcagtgt 516720

tggactagat gagtttcctt taagcttagc ttgttaaac acagctttca ggtctttctg 516780  
tagacctact gaatgagact ttctggtaac aaaattatac gtatatatag agagatagat 516840  
ggattttctat tatatatgtg tgtacacaca cacacacaca cacatacaca cacacacaca 516900  
cacacaattt tttaacaag ctccctggat tattcttatt caggatgaga attcagctca 516960  
ggactggat ttgggagica ccatactaga caacctatga ggtactgttc atatctacta 517020  
gtcaatgact gtatagggcc ccaaacttga agtcaagatg tggctaccac tgaatttcaa 517080  
ataggctctgg aagaatctaa agggcatgtg acttggtcac aggcattgtt ctgcatgaag 517140

tttggggaca gaccagga gaaaaaggaa ctgggggaaa atagtgtgaa tactggagat 517200  
tggttcctgt agccagcccc atgggagaag gagctgcaag tagaaagtag aggaacacaa 517260  
aatatagcct catattgtat cacctaagga gcctggaaaa agcactgttg cttgggtccc 517320  
agctccagag atccttattt aattggtttg gggtatgtgc ctgagtcttg ggattttttt 517380  
taaagctccc caagtattc cattttgaag ctaagattga gattctgcat taacacacaa 517440  
ggacacaaag cttcaaaat gagacggctt tatgtgttac aggcctaccc ttaaaactat 517500  
gttgaagagc ggcatttcaa ggaccctcct ggtgagttca tgaagcaaaa taatcatgtt 517560

caaaacaatt gagactgtcc atacaacact acctcgatat gtttgggagg ataaactcaa 517620  
cacctcagtc atgatttagt ggcttggctt atatatgttg tggcatagat agaattctgt 517680  
ccccagggtg gtaagtacaa tgaagccagt cctcaatgac tggatttgtc ttcttcactg 517740  
aagtgaattg atctgttgtt ttgtcactat gtagctaaag ccagtgaggag ggtgccagtt 517800  
atttgagaaa aatgtttcat ttgaagtac caaagacagc cgatgaattg tgttcattgaa 517860  
atacatgctt cactctactt tttaatttgc tctgttttaa gttactgag agtttcgtct 517920  
ttatttttaa agaattgacat ttatatagac gttcaaaactg ccaatctgtt acataaacag 517980

ccttgttttt tgaagggtcg gcgcgccta gaggccaaat aggtgcagag gtttggattg 518040  
ctaaccggaa agaacctctc caacctgttg ctctgtgtcc ttctgtgac cgtctctgtt 518100  
gtgtgtattt agggtcaggt aaagctaata agacttttca ttgagcaaag ttcccaagc 518160  
aagggtggag atgccacagt gacatttcaa agccagataa caatgcaatg atgggatttg 518220  
ggaagtgttg taaaaagaa gcttctcact gggatcaaaa cgtgcccaga gaaccagaaa 518280  
ctgtaggggg agggagggg gaggggagg gaggggagg ggggagggg aggggagggg 518340  
aggggtagg ggaggggtgg gggaggggag ggggagggaa aggaaaggaa aggaaaagaa 518400

aagagacaga aaggtaaagc aagtttttgg tggtagttt cctagagtga acttaagagc 518460  
aaacattctc tcattttgta ttgaccaaga cacaagact agggagaagt caacatttaa 518520  
taccagctga caagcggtt tgccttctgc tcatcagtga attccatg tcctcacggc 518580

ttggcttagc atgaggttga tattccctta gaatctctgg atctattccc tttttctaca 518640  
gccttctcca tacttttaat attttctttc ttacatggcc aacttttaat taccacaggg 518700  
gaacagagtt agtatgtatt ttttaaatct ctgaataatc caaaacgtct gtaccagat 518760  
agaagtttag gaattacaaa tcaaatgaga aaaaaaaaaa aaagtatgtc attttccttt 518820

atttgccatg actgatgtca tctgactttt gagctgaata gaagtgaggg ggtgggggaa 518880  
aacttcaact tccaattaa aaggcaactc aattccagga tgaacattc ttttattttg 518940  
tcttaccag tgcctttggg gcaaatcct catctttcag gatgcatcct ccatccctgt 519000  
tctccttgcc cggatggctc ctgggtctag ggttaagctt ctgtgtattt gtggtggcag 519060  
gacagcagga atgagggagt gagggatgag gtccatgtgc tcatctccac atccacgcta 519120  
ttaaccacca tggacacttg aacctggaga cgttctcgg aaccagatcc cacctgattc 519180  
ttgtttttgt ttaatttttt tggagacaga gtctcgtctc gtcacccatc acccaggtg 519240

gagttcagtg gcactatctc aactcactga acctccgct cctgggttca agcaattgtc 519300  
cctgcctcag ccaccaagt agctaggatt ataggtgtgg gtgacccctc ctggctaatt 519360  
tttgtattat tagtatagat ggggtttcgc catgttggcc aggtcgtctc caaacacctg 519420  
cctcggcctc ccaaagtgtc gggattatag gtgtgagcca cctgcctgg cctcacctga 519480  
tatttttagca actctgcaaa caccacaac tggcatctga catccttgaa tagcctctgg 519540  
actgcaagtc tttcttccct ctaatccaaa tgatctgtta tctcttctgg tccaatggta 519600  
tgcttagaac ttatgtgttt cctttttggg gacagacttt cctagttgca ttatctgac 519660

cacaggttg tgcaatactc tctaggacaa aacaagactg ctctctatcc atctacttc 519720  
acttcttctt cagccatttc caacctatct ggcatcactg gagcttaaag ctctcctggc 519780  
ttgcactcac acgagtgaat gataagctct attaccctgg gattacacac ttgtagtat 519840  
caggcaacat ctgacctgt tcaaatcaac tctcttctt ctcaggtg atgtgcacac 519900  
agctcattgt gtgctggaga aaaactcacc attgtgaaga cttgtctcat ttcacattc 519960  
aggtcactga tctccagtag atcctaatg ctgccctata tcatttttc tccactctc 520020  
ctccatgact tatttcctc attctctct gtctcagac cctagcact tctcaccta 520080

tactcacttc catccaatgc atccaatcca agctcatccc atttattgat aatttgaaaa 520140  
ccaatagaaa aagaccacag tcttacaacc agtgccctcg gccagctctg ataactgtgc 520200  
ccaggtactc tgccttccct cctatgaaca agcaatcagt tctaaggaaa attcctccac 520260  
ttcagcatta gatcccatgg ccaacaaatg ggaatccgc tttttttct gtcacacct 520320  
ttttccacg ttactgatta aatctcataa cagttaagca tactacatgc ttgttgacca 520380  
cgtatatgtc ttcttttgag aagtatctgt tcatgtcctt tgccatctt ttaatgggga 520440

tgtatgtttt tgcttgtaa ttgcttaag ttccttgtgg attctggata ttagaccttt 520500  
  
 gttggatgca tactttgcaa atattttctc ccattctgta gtttctctgt ttaatctgtg 520560  
 gatagtttct ttgtctgtgc agaggtctct tagtttaatt aggtcccatt tgtcaatttt 520620  
 tattattgct ttggcactt ttgtcatgaa atcttttgc aaggcctatg tccagaatgg 520680  
 catttcttag gttatcttcc agggttttta tagttttggg ttttacattt aggtctttta 520740  
 cccatcttga gtaattttt gtgtatgatg aaaggaaggg atccaggttc aatcttctgc 520800  
 acggcgctag ccagttatcc cagcaccatt tatggcctgg tgctttcatc gctttcccca 520860  
 ttgcctgttc ttgttgattt tgtcaaaggt tgggtgattg taggtgtgtg gctttatttc 520920  
  
 tgggttctct attctgttcc attggtctat gtgtctgtgt accactacca tgctatttgg 520980  
 gttactgcgg tctttagta taaagttggg taacgtgatc tctccagtgc ttagaattct 521040  
 aactttttgc ttagaattgc tgtggctatt tcagctgttt ttttggttcc atatgaatac 521100  
 tataatagtt cttttcta tctgtgaaga atgtcattgg tggtttaata ggaatagcat 521160  
 taaatctgta aattgctttg ggcagtatgg ccattttaac aatattgatt ctccaatcc 521220  
 atgagcatgg catgtttttg catttgtttg tgcactctct gatttcagca gtgttttga 521280  
 attctcactg tagagatctt ttacctcct gattagctgt attcataggt attttatttt 521340  
  
 gtgtgtgtgg ctatttgtaa tgggattgtg ttcttgattt ggctctcagc ttgggcattt 521400  
 ttgattatag aaatgctact gatttttgta cactggtttt gtatcctcaa actttgctga 521460  
 agttgtttat cagatctagg agcttttggg catatgaaaa aatgtttaac attgataatc 521520  
 attagagaaa agcaaatcaa aaccacagtg agggccaggc atggtggctc atgcctacaa 521580  
 tcccagcact gtgggaggcc aaggcaggag gatcacttga gcccatgaat ttgagaccag 521640  
 cctgggcaac atagcaagac ctcatctctt caaaaaaaaa ttaaaaaatt agtcaggcac 521700  
 ggtggcacac cctgtggtc ccagctactt gaaaggtga ggtgggaaga ttgcttgagc 521760  
  
 ccaggagttc gaggttctag taagctctga ttgtgccact gcactccagc atgggcaaca 521820  
 gagctagcac ctgtctcaac aaaacaaaac aaacaatga gatactatct cacaccagtc 521880  
 agaatggcta ttataaaagg taaaaaata acatgctgcg agagtgtgtg agaaaaagga 521940  
 atgcttatac actgctggca gaaatgtaaa ctagttcagc tacagtggaa agcagtttgg 522000  
 cgattactca aagaacctaa aactgaacta ccattcaacc cagcaatccc attacttgggt 522060  
 atatgcctaa aggaatataa atcattctac cataaagaca catgcacatg tatgcttate 522120  
 acagcactag tcacaataat aaagacatgg aatcaaccta aatgccacc aacggtggac 522180

cggataaaga aaatgcggtg catacacacc acggaatact atgcagccat aaaaaaaca 522240  
 tgagatcttg tcctttgcag caacatggat gcagctggag gtcattatcc taagtgaatt 522300  
 aactcaagaa cagaaaacca aataccacat gttctcactt acaagtggga gctaaacatt 522360  
 gaggtagacat ggactcaaag aaggaacaaa tacacacaag gggcctacct gagagtggag 522420  
 ggtgggagga gggtagaggac tgaaaatcta cctattaggt actgtgctta ttacctgcat 522480  
 aacaaaataa actgtacaca aaactccagc aacgtacaat tgactcatat aacaaacctg 522540  
 cacatgtact ccctaaacct aaaactcaga aagaaatatt ataataataa acacacagaa 522600  
  
 ttccatttcc taccttaaca tacctcctct tccatccctt tccatctacc agcccacttc 522660  
 tctgggtccc ttacagcaa gtctccgat aaaattcata ttaccattt ttatttggcc 522720  
 cagggtttcc tctttccct cccaccccca ctaccatttc attgaaacag ctctcttcaa 522780  
 ggccactaat gacctccgta ttggtaaagc cagcagtcga ttctcagtc tcatcctatt 522840  
 tcacctgcat ttggcatttg gcaattcatc agcagcattt ggcaaagttg tgttttctcc 522900  
 ttgaaatatt ctctacttgg cctcctggaa atcctggttt tctctgact tcgttatcac 522960  
 gtcttctctg cctcctcctc tcacctctaa gtgtaaagta acccagagct cagtctttag 523020  
  
 gcctgttttc ttctcttca cactcgtca ctcctgggt gttctcatcc agtcttctgg 523080  
 ctttaaatat catctatgt aataactccc aaatttcatt ttcagtctaa actttccagt 523140  
 gaattttaga attaaatata taactgtcta gttcactgtt tcaacttggat gaccaagagg 523200  
 catccagaa acatgacata tccacagctg aattttctcc tctaaaata ggtcccttac 523260  
 cacaatctc cccactgcag gaagtagcac ttctatcctt tcatttcta aggccaaaat 523320  
 tccttgtctg ctctcttctt ttacagattgc caaggctcac ccatcagcga atcttactgg 523380  
 ctctaccttc aaaatatata cagatttcac acttctcacc atcttcacca ctgactcca 523440  
  
 ttccaagttg tacttatctc tcatgtgaat tatggcatta gttacctggc tggctccag 523500  
 cttccacacc ttatgtccct cttcagtcga ttgttagtac aaccacgaaa atgattcctt 523560  
 taaacttaaa tcagatcact cctctattca agtctccgca agtttcccc tcagagcaaa 523620  
 agcctgagtg cttacaagat cctacacaat ctgactcacc ctttctgcc actgggcccc 523680  
 tgcgttacct ctgtgacctc gtttctacc ttgaccttc cttcattctg ctcttctcag 523740  
 aacacactta gccagtttcc tcacctacgt caggcatttt tgcacaaatg ccaccttctc 523800  
 agtcaggcct tctataatga cccacttaa tcctcctcc ctatcctatc tactttattt 523860  
  
 tgtttatttt cttcatagca ttttctttt tatgacaatt gacatatatt ttccatatct 523920  
 gtttattgtc tggtcttccc attagaatgc aagtccatga ggtcattttt actagaatgg 523980  
 taggtgctca ataagtat tttaagtgtat cataatttag aatacttacc aaaccccaa 524040

ctgggatttt ggccctgcaga ggaagaaaca ggttccatgt atcttaccag ttgctcttgt 524100  
 tcctctttcc cccatcctta aaaactttta atgtagcaga ttggatacag aaatttatct 524160  
 tcttttccct ccaaactcat tttccagagt agaagttaa taggtaacat ttaaaattta 524220  
 aaagccaaag ttacatggaa ttttgaaata ttaggtaac cacaagaaga taaagcaaaa 524280

agagctgaaa gtgattgcgt ctggggagtg agaatttggg gaagtgggga gtaaggcagg 524340  
 gaatgacacg tcttttttct ttgttgtttt aagcatcaga gcacaatttg actgcaaaag 524400  
 aatattgctt tgataaaaat gaaattaaat tcaaaaagaa tattcaatat tcaaaaagaa 524460  
 caaataaaat acagttcgag tgggagattc taatacactt ttttcaaac agtgagatct 524520  
 aggagacaaa aaataaatac agacacagaa gaactaaaat tatgatcaat tcacttgttt 524580  
 taatagctaa agaatttgac atccattgaa agaaagacat attacaaaaa tcgattatgt 524640  
 acttgccctgt aaaggaaacc tcaagaaaat atgaaaacta gaggttttac agacctcatt 524700

ctctaatagg aatccaataa gattagaaat aaatgatata taaaggagc tttgtaaatt 524760  
 tagaaattcc tttctctctt gatgcagcct agctttcaac agcactttct ccctggggat 524820  
 acaatacata caaagcttca tttgacagtc aaagcagagc gatgactttg gtgttctagc 524880  
 cagtgactgc ccigccctga agcattaaaa ctcatgtatt aaaaggatga agagccatat 524940  
 ggcatcttga tttaggaaga ataaaaata cattaaataa tttctaaagt attatatcca 525000  
 ttattcataa gtgtggccat tactttacat ccagagccac aaaatgtcaa tcaactgata 525060  
 gaaaaagagc agaattgcca gtctcagttg cacctttatg gccatccttg gtcagcttct 525120

ctagtaggac taacaagcag tggcaacaag atttaataat ggatggagcc gggcgcggtg 525180  
 gctcagcct gtaatcccag cactttggga ggccgaggcg ggtggatcac gaggtcagga 525240  
 gatcgagacc atcccggcta aaacggtgaa acccgtctc tactaaaaat acaaaaaatt 525300  
 agccgggctg agtggcgggc gcctgtagtc ccagctactt gggaggctga ggcaggagaa 525360  
 tggcgtgaac ccgggaggcg gagcttgacg tgagccgaga tcgcgccact gcactccagc 525420  
 ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaataa tggatggaat 525480  
 ttcaggcaat agctgtgtct tagtccattt tgtattgcta taaagaaata tetaaggcta 525540

ggtaatttat aaggaaaaga ggtttatttg actcacggtt ctgcaggcta tacaagaagc 525600  
 ctggtgctgt catctgcttg gcttcagggt agggcctcag gccacttcca ctcatggcag 525660  
 aaggtaaaga gaagcaggcc tgtgcagaga tcacatgaca agaaagagac agaggaagtg 525720  
 tcagactctt cttacaacc agctctcatg ggaactaata gagcaagaac tcactcacta 525780  
 cccctctctg gggagggcct taatctactc atgagggtac tgcctcatg acctaaacac 525840  
 ctctcattag gctccacctc caacatatgg gatcacattt caacatgaag tttaggagga 525900

caaacatcca aactatagca acctgaaaaa atctttaag tatctggatc agggctactc 525960

tcagtggatg gactgttaaa atgcagattc ctacaccac tccagatcaa gtgaatcaga 526020

agacctggaa gtggagctca ggaatctaca ttttctgatg agctttaagt gaagttttat 526080

atgtgtgctg aagtttgaga attattgact cacataactc actaataata gtcacttttc 526140

aaataatcca gagtgaacta aaatcaggga aagtaataaa cctcacatgg tagctttttg 526200

tttgtttgtt tttggtttgg tttttttgag gttttttttt ggtgggggtt gggggagtct 526260

atcgctttac aatttaattc agatgaaaat cttagaata actacctgac aggcctgaac 526320

acaactatct tactgggtaa tttttttgac cttttgactg tggctcatta gccattctag 526380

taaagggaac aatagagtgg agtttttagc acacatttag gatatgtgta ttcttacctc 526440

atgtgttcat tgcccaggag taccctcatt aaaaatccct tcccaaatta gacaggatat 526500

gccaaaaacc aatttaaaat gttcataaaa cttttaactt atgattcaac ttctagaaat 526560

acattatcaa atttctaaaa tgcacagaga tctttgaata agtatgttaa ttacagcata 526620

acttataaca gcaaaaatca gaatcagcct aagtatctgt gttagaatta ggtttgtctg 526680

catgtaagag aacattttaa taaagctgaa atatatctt ttcttacctg aaagaaattc 526740

agaaataggc catccatgct aatatggtgt cttcacaata tcatcgagga ccaaggtttc 526800

tttctgcca gttcagcacc ctggggaac agctttctga ggttatctca cgatecaagt 526860

gcctgttga actccagcca tcacctcca 526889

<210> 15

<211> 125360

<212> DNA

<213> Homo sapiens

<400> 15

gtcgtactgg acacggaggt atagcccacc gtgaccaggg aagggtgtt gctgtgattg 60

catgactccg gttgctggtg actgtccatg tggtgtaca gttctcaac tgtgtggaaa 120

ctctcagaac aaatgtgca tgagtcttc ttctccccgc tatgcacctg ctccatgtgg 180

ttcatgaggg aggtctctc tacgaagagc tcgtggcagt agacacactg gagggccgct 240

cggtcctcat ttggggagca ttgggggtgg cactctgcaa tgtgttttg gaggtcttc 300

gggaagtcaa agccttctc acactgactg cacttctgag tgtccttcat ctccagtcc 360

tccatcctgg aaccggactg agagccgtcc ttgttctct catgaacctg catgtgtccg 420

tgtaaaggaac tagaggacag aaaccacgg cgacaaatgg cacatttata tggcttgttg 480

gacgtgtgag tctttaagt gatcttcaag tgatcacttc tggaaaacgc agcatcacat 540

tcactgcagt ggiacttctt gtccccggtg tggagtttta tgtggcgatc tcggctgcgc	600
ttgtgtttga acagcctact gcagtaggtg catttgaaag gcagtttgtc actgtgactc	660
tgctcatggt gctttaggta gctgaggcgg ctaaactgact tgtcacagaa ttgacacggg	720
tatggaagcc cagggccacc ttcttctctt ccaaaatcgc aaccttctcc atggctaggg	780
gaagtctgat ccttgctaga aggtgaggaa gctggccaag agcaagtcgg atcatcttca	840
acatccactc catctgcaac aagaagcaat gacaaatttc atctgacatg ttgagattca	900
agagttaggt taccgtagca tttaaccag cacgcagagt tgggccctct tgaatctttc	960
aagaaaaaac aaaaatgaaa gagagaatat ttgagtgaga ctttttcaa tctgagccca	1020
aagcagttat tctgcattta ctttttgttg agttgtaaaa tataagagga tattaatatag	1080
ttctatgtct aaattaccct tttattactt tttatcattc ttccttagaa gcaaggtata	1140
tattacacat tgacaatttt attaaaatgc agattttaat atatttaatg tttcttttgt	1200
attccttcta aaatgatttg catattatgt gagcatctga agaaccaaat gaaaagagga	1260
aatattacgg gaatgattta aaattaatgc agtcaacca gatgtcta atttaataaa	1320
aaattccctc tgcattttgc ttgtttttat ataaaaaggc aattctgcag accaaaaatc	1380
gttacggggt tcttattgat acagacctta ttgctttcag caaaaaata ttaaaaagta	1440
agcacatgaa agaagacaga aaacacaata ataattatgt cttgtgtaat gaaagataac	1500
caggatttct tcaataactg aaattcgaat tccataggcc agaaaatgga ttattaaatg	1560
ttagaagggt actgctagat attacatgta gctaggatca gctaggatca agaaaaatg	1620
agagtttcac aagggccaga ttttaatatgt gtattttgtt tggaaagtgc aagaggtggc	1680
ccaccatata ttctttttgc aaaagcttca gcagcctgaa cttccttagc taaacaggac	1740
ctgcactttg aggtgagcag agacaaagca acttgtgaaa aactggaaac aggaaaagtg	1800
ataaatgatt atggtaaatg ctgaaagatt tatgagtac aaaaagaaga caaacaagac	1860
tgagagccag atataaactt agcaagttat ccataaagga atgttacctt atattaggtg	1920
attttaaaaa ctatgttctt agcaaactg cactgttatt tctgttgctt tcttgatata	1980
caagtggaaa ataagacat ctcaaagcag gttgtgaaac ctcttttttg cttttcataa	2040
cctattattc aagatcagaa gaaacttta aagctttcca ctctccaaag gagcacgatt	2100
tttcaaaaa acacacaagt aaagaccatg gattggagct ggtggggata gtgtttcagt	2160
tagaataaga ggctcagta gagcattatt agaataattc aatggtattc aattagagta	2220
tgttcaaata agtttttaaa ttcttcaaag ctgaagtcca ctagcaagct aaatgattaa	2280

tataaaagta gaaactgggtg agcattatgt aaacgaattc catgtctgct ttccttaagg	2340
taacaagatt ttactagatt gtcagcctct tccttatcca caggaaacag atgaggatca	2400
ttcctttcct gcatctagaa actgatgaca acaccatctc actatcaatg ccagatggca	2460
accctctcac tctgagaaaa caaccaaaca ccattcctgg atccttgccc actgcaacaa	2520
agcttcgcca tacaagtga aaaccgcatg attttgcac ctcatttata ggactctata	2580
acccaacatg ttccagcat aagaaagggt ctgatggatg tggatgtgat ttatacttaa	2640
agtgaatata ccaggaacat atgcagataa actcaactca ccactcaaca tacaaaaaa	2700
aaaatttaac taaaagcaaa aaaactcaat aatgatctag ttttccctt aaaaaagtg	2760
tgtcacctaa agctaata cctgaacaa atcaaggttt caaatattta ccctaattga	2820
aaaaaaaggc catctattaa atgtactcaa cattctaggt aaaatctacc acatttcaca	2880
tttatctttt aggcttaaat cctgctatit catttaaaaa atattttcaa acacatcttc	2940
tcatttatac atttggggaa aacagtgaat cagaatttgt aatgcatcca gcctagaagg	3000
atgtaactat tgagcttgaa aattgagcaa gtgaatttat aattaaattg cagatttgt	3060
ccaggtatga tatattttt acaatacat aaagaattat agagcaatgg accattataa	3120
aaattatgca atccctaaca ccaggcttaa ttcaggttct tgtctgtggt ccatgcctga	3180
ctatatctat tatataactg ttctcttaag ctgttaaatt tcagtgcac gtcaagtgag	3240
ctgaaggtta ggatcaaggt ttaaccagg attcaagaga gcagaaacct tttctttctt	3300
ctctccagtc ccattactt gtctttgtaa aggaaattac acaacacccc ctctagaagt	3360
cataaggcgt ggggattgag cagaagtaaa tagtttgagc aaggaataat acttatagaa	3420
aaataataa agcatccctg aaaggctgat ttctgtttta aaatataaaa tgtaaaaact	3480
ctcatttgcc agtactgtaa atggattgtg ttctccaaag aacacacagg gactcactac	3540
tccaagcggg ttggteccaca ctcttcagggt atcagactcc tccaagactt ttgtggtgat	3600
ggtctccccg ccaacatact ctgaggtcta cctaagactt tgagagttat ccatcccat	3660
taacttaggc tttttggcag ccacagtgca aactaagctt aaatggtgaa tataggttta	3720
aacgatgtca atttctttt acacgtggaa gaaactgtag aagattcttt caactcagg	3780
tcctgaatca actttaactt ttttccctt tggcactaag tgctacttac agggactgtc	3840
tttctgggtg atggcaagtt ttctgcattt caatgtgaag tacttaacat gtccatgtta	3900
aattttaatt ttigaaacca gtctcttcac ttgagctgac tctccgagag ctgtagctct	3960
tactgccgaa aaagctttgc tagaaaccag ctctgtggcc taaaaagtct atttaaagat	4020

gcaaatgtgt gtgcatgggt agtgcagatg tttttctaca gcaactgtac ttgctgagtt 4080  
tcaccatttc cataaagcac attaaaacaa gtgtgtgaac actccgagat gaaagtctcc 4140  
aacactcctg agactttcag tggaaagtag agccgcctga cttttctcca agcagacagg 4200  
aatgcccattg attcagcagc ctgagtaaat aaaagaggtc cttatttcct aatttcgctg 4260  
gctggccaca ctgcagcagc ctctgtgttt ctgccaaagg ggatgcagaa ctggaactac 4320  
accagccgcg tgaaggcctg tctttgttag ccagccaggc tttccggacc atcttctggc 4380  
agcagaacgg ccatatcctg caaggaagac ctccatctca ggctaggcgc ttctctagtc 4440

tgccataaaag gacgaaacaa cagattttgc tgggtctgtg ttggaggagg acagctggaa 4500  
actcagttag cagcagagta acacctgttc aggcatatth atgggggaaa gtgctcacta 4560  
acagaaaagt gaagtcatac cagaaggagt tattccacag aaaaaaggca acagaacaca 4620  
gagtaccttt gtgacgtgag ccatcagccc ctctgtgtcc aacctgggga ggaggaagca 4680  
gagactggac gtgatttgat cctagctcct gctgatggac agacaagcac gcaaatgagg 4740  
gtctgagagt ctgtttacag cctgccattg tggaagagaa atgctgaggg ttctggccac 4800  
tcgctgggtgt tcaagactaa tcaaattagc cagaaattag aaaataagat caaagagaga 4860

ggaagagaat atgtgcagaa gggctagact aatgttaatg cttactttgt ttatgattaa 4920  
gcgggtctta atttgtgtag gacatacact tctgaggac agggaccaag cttttcagaa 4980  
gattgattcc aacactaggg gcaatctgaa attattcaag agaaactaat gtaagaaagt 5040  
agatgaaaat actttctctg aagttatgga aacttctgat aatgttcttc atagggcctg 5100  
gtctgcaaga aactggctta acaatatect ttgctacct gagcttgctc actgcaacag 5160  
cagagtaccc tcttaactgc ccatcgggga ctcagtatca tgtgtgctag tgccacacag 5220  
caagatttcc ttaacaggga caggatttac atcaatgggt acttttcaag tgaggagaag 5280

aagcacaat actgatgggt ctgatacttg ttaggaacc aaaagtcaag atcctggagt 5340  
tttatttcta gcttcataac tgacttagag agtgacctgg ctaagtcatt taatctgccc 5400  
ctacctaggt atttcacctg caatatgaag ataagaattc ttgctactta ccctctgggg 5460  
tgttacaaag actagtgaat gtttctaggg caccttatca tggtggaag aaaagctgca 5520  
tatgtaaaca aaaagattta tatgtgttgc atgtatttct gttccatgt gtaagcttct 5580  
atgaatatag cataaacata ttttaatat ttttttctt taatgcaatc tcaggaatat 5640  
taattttaag gactgaccca atggcaatct acagtgcctt aagctttcac agttgtatac 5700

gcagctagca agaaaaataa agataaatag ctggtgatac ctaaatgtta atagaccata 5760  
aatctgtgct tactatgttc caaacattaa attatcaaac atgggatata atcttgggtc 5820  
tttacaggca ggtaaccttg gcacaagtgt ttttctatgg aattctgagg ccaagaatgc 5880

ggtttatacc tcctttctcc ttaaaacacg agcaatacaa tcattgcatt atttagcaac 5940  
 atggtaagtt gattcagtaa attttttttt gaggtcaaa caatagggtg agacttgaga 6000  
 ccaacaaaat ttcaggtttc cccccacttg ccttacataa ttgtttactt ctgccagcag 6060  
 gctataggag cagttctgaa atttcttact aaatagaatt cacagtactt tttcagtcac 6120  
  
 tagctacctg agacacttta acataagctg aaactcctgg gggagataca caggtgtgca 6180  
 caaacactaa gagaagtcgg gctctactta aagaggacaa tattttgaaa tgcattgtta 6240  
 atagacacag gtaacaaggg tacttgacat gttacttcaa tgccaacaca gtaacaattt 6300  
 tacaccatca tattttaaatt cttctaacca aattacaaaa tacattttta aagcaatgat 6360  
 ttaaattgct aaaagataag gtcatgctaa aaaaaaacta ttatacatta ttacacaatt 6420  
 gcttcccttc attctccata gaaatgtcaa cagttttaga aaagctgtaa ctttaatagc 6480  
 tatcatgctt ctttttaaaa aaaaaaaatc aacagctcca cattaaattc actcctttgt 6540  
  
 catataactt atttaactac ttgaaaacga atacccttta ctgggtgttc aaatgagaaa 6600  
 tgtgaacttt aaaattattt ataattcaca gatgctttta aattctgtaa tattttgaac 6660  
 tgttctagaa ggaccaatta aatgaattaa cagttagggt atgaggaaga aggggtgtca 6720  
 cccattaata acagcagctg tgaagagcgg gagttgggtg tgacattttt ttaacagtct 6780  
 taagatgaat tccagatata agagctcaag ctacagaggt tttttttttt tttttttgcc 6840  
 ttcaatactc cctagtaaaa aagaggctcg ctttccccca acaacacttt aacacttcag 6900  
 atgagccaac aaagagataa ggagttgtta tcacatctcc atggctctcc ttaggtaatc 6960  
  
 ctgggctttt catccattct ttcaccagac acatttcgat tgcatgtgca gggagaagta 7020  
 taaatgtttt gcttgctgtt gcttaaagtt catttgaaca gacggagctc aatgaattcc 7080  
 atcttccgca gccaaattaa atagaaaaca gtgcattctt aagcagttca cacttaactc 7140  
 cacctctcaa atcagaggaa aaagctgacg tgaaccaggt taaagaacag tcatctctc 7200  
 tcgcacggaa atcaagacat tgtgtttctg aagccagaca gaaggaaaag tggtttccaa 7260  
 ttatgtgggg ggtgagaatt gcttttcttt ttctatcttt tggtcactt aaaaatatat 7320  
 ataactaatg ataagcacc acctcttggc gttcaataat tggcaactgt gtattacaca 7380  
  
 tctgtttaca gtgccgtgac tgagggtgtt ctaaaccgtt taacatgttg atcttttctt 7440  
 gaataatgac agacgtcacc agagtggatt tcttgagtct gtattctttt tattctctac 7500  
 tattttgagt tagaaggcat ttattagtta ctatgtgctc ttgtgtttat atatgacctc 7560  
 ataccacaaa gaatttaaag cagtttttca ttgctttaat ccattgattt aatcaacttt 7620  
 tattaagcac ctactatgtg ttcaggtcta atattggctt gtgaacttta gaaactactt 7680  
 tttttttgaa gttttgattt ccttgtctat aatatcagaa aaatttcggc ctgcctcaac 7740

atatgaggta ttataagact caaacatgac cttatatgaa ggagttttct gtactgctaa 7800  
  
 aatctaaaaa tgtattacat tattactact gctatgaaag ccaaagttac ctataagtga 7860  
 taagtggtaa atgataactc ataatgtga gaacagcaga aaggaatcaa aattaacgat 7920  
 aatttagttg ttgcagtttt catattgaga ttctaaaaat ttttaatgac ttaaagggca 7980  
 tttctgttta taaataaaaa taaacaaaaa taaagaacta ctatttaaca atattattta 8040  
 aataacaatt tgatagacaa tattatcatt ataaaattaa tatggattaa tttattaaca 8100  
 atattattat tcttgttaaa taacagtctt aataaataaa aataaacaaa caaaaatatt 8160  
 ccaaaaaaac tcttctgaat gctactcaca gatatcttga aaatcaatgt gtagcagttc 8220  
  
 attggttaat agctacacac actggccagt tgtgattaat tcatgagtgt tgtaaagtcc 8280  
 acacaacgaa agggcctgca ttcaaagtcc aggagccaca ttccatagtg ccagcaccac 8340  
 tctataagtg actatttggc ttagttagaa agtccttgag gccaatctta tttcacttca 8400  
 aaatcctttg caccagtgtg aaatatacgt actgagcttt gaaggatgac ctacactttt 8460  
 taaaaaact cagtaaatTT ctcaatgcta ccaagttaat cattagtgat tttaaattaa 8520  
 ctcttcact ggggaagcag aaggtaaagg ggattcttcc actgagaaaa ctaagttcgg 8580  
 aaatggcttc gttagggaat gacggatctt agaaacttca tttcaccacg ttaatggttt 8640  
  
 tggaagaact gccataaacc accagaattt tcaaaaaacg aaatcaaatt ctatttcaaa 8700  
 gcagcatctg gtctaacaga atgttttgc ttgttaaact agactttact gactattttt 8760  
 ccaacatgta ggctttggc caagccgga aaactttcag tcaccaggaa ttataacagt 8820  
 cctgaaatgg tatttattgg agccgaattt cacctgtatt ataaccatgg cagtagtaac 8880  
 gccaacatga attttcggca gcctgaaaag gccacactgt atacttcact gcagacaagg 8940  
 ccactagaga atacaaaagt gctgaaaggc taaaatttaa ttaatgaaca attagcaccc 9000  
 cctgtgggtt cattgtgcag taaagtata aatatggttt gctaagttag aaaaagctgt 9060  
  
 tacaagatt aggggggaac tattactaca attatccata tgcctttgta ttacaactga 9120  
 cctcagtacc agttcttgat ttggacatac atgtgtctaa caaatgatag gaattgttaa 9180  
 ggtctgtggc aaataatcat tttgaatttt gttaaagcac agactgactc acacaggttg 9240  
 tcaggctgtt ttcatagggt gaaaaagcca ctgagatcgc tagtgagtac acccagccaa 9300  
 ccaccagca gctgcaactc aaagttagtat ctgttgtctg ctctcagtt ttatgcattt 9360  
 aatgaggaaa ttatatgcta cagtgttatt aaggattca gagatgaggg gctgggcgcg 9420  
 gggctcacg cctgtaatcc cagcactttg ggaggctgag gcgggcagac tgcctgagcc 9480

caggagttcg agatcagcct ggataacatg gtgaaacccc gtctctacta aaatacaaaa 9540  
aattagccgg gcgtgggtgc atgcgtctgt agtaccagct actcaagagg ctgaggcagg 9600  
agaattgcct gaacccggga ggcagagggt gcagttagcc gagatcacgc cactgcagtc 9660  
cagcctgggt gacacagtga gactccatct caaaaaaaaa aaaaaaatta aaaaggcatt 9720  
tcagggatgt tggactatct tgagacttca tgcataagaa agactctaca gtagggccaa 9780  
tcactaatat gccttataca atagaatctt tatagtgttt caacagaatt attacctttc 9840  
acattaacac ttacatggta aaactgaaat ggaaaaatga gattggattc caagtaaccc 9900

aaatgatata agacaatcct ttatctcaaa tgagataatg tttataaaag tactatataa 9960  
actggaaagc caaagctatt ttcttaaaat catctttagt tagggtatga caaagtatct 10020  
ctacacaggt cttatgatat taagtacatg tatttataga gtttttaaat ttataatctt 10080  
gctaattcag caaaatataa aagaggcatt ctgaaaataa ggcaattat caatttgagg 10140  
actttccagt taccctcttt gccctttatg ttttatcttt cacttttggt ttgatttttc 10200  
tcttccttag aatctctacc ttagaatgaa tatgatgata acatccaagc cagttcattt 10260  
cattatcttt ttcttggtaa cagccctggg aatttatcta tgggaaccag tacagttaaa 10320

attgtggcac acggtatgtg tacgcttgca tgcttttacc cacagttgac taaatgttca 10380  
gaatagacta agtgatttat gccaaagtag tttttcaaat attttaggta actctcatta 10440  
caaaagtgtc aatcgtagta atttgacact taataggact aaatatctgt acaatcatgt 10500  
cttaatgaaa tatgtctcta aggggaagact ttatgacgct actttctact gattaatata 10560  
tataatcata tttttattaa atttatataa tgtgtctata tataaataac acatattatc 10620  
tgagatgata catcttgga aatatccaa cacctgtgac aaaatcaggc ctcaaaaacc 10680  
ccatgatacc tccacatact agcatcttac ttgcctcca tccaagatac tttaaaaata 10740

acaaaataat gtataagaaa agaatccaag gtagtgtggc cacagtaatg agacacattg 10800  
ctaataattc aagatataaa acctaccagc acagttttag aatcttcact gactcaatac 10860  
tgtctgtacc aaagggtgtg tctctgaaat ctttacaaag ctctctcca catctgagct 10920  
ctgctctttt ctcttaagat ggctgttgtt ttggcatgga ttgtgcatac ctctgggtct 10980  
gactttaggg ctcaaaggaa agaaaatgag tgaatgtgat tgaagcctac acagagaaaa 11040  
gaaagtcaag gctgtcattc ctaacttttc atgtatatat atgaacata agatttaaga 11100  
cctgtgagaa atgtgggcct ttaggggaaa aaaagtgcta attttacaga tgaacaaata 11160

ggtaacagag gatgagtaac atgtttataat ctgtgactaa caatagtagt tgacagtggc 11220  
actgaaaccc acatccaaat ctccagtgcc gaggcaagca ccttggtctc acgtattaga 11280  
aaacctcaa agtccatcct tcccaaactc tctccacta aaacaacaac aacaataact 11340

caaatgctga gtttttatgg gtaaatgaat aaacctaaag tgggtgttaa tagtgtttct 11400  
 cttttaaaaa aaattcattg ttttcatat tactaaacca attcatgcta actgatgtat 11460  
 gtattcacac atatacagaa gaagacaaaa attgcctaac aactctacaa acctataact 11520  
 ctctgttaac aagtcatgac agccaatttc ttaatttgat ttcactgctg gctattgacc 11580  
  
 agaaaaatcc tatatatata catctcctta acagtgggtc tgtttgcctc tctcctgttc 11640  
 ttccatcctc tgctttgagc aggggtggtat ggtcggatca ggtattgaca aagcaaagca 11700  
 gaaaaaaga cacagtcaaa ctggcactgt gccagcttt actttcctct cacacccttg 11760  
 cctgtaggga catattccct gccactgatt caaatgaagg atccttctca cctatccctt 11820  
 aagctaccct tcttcaatta tcattccagc tatcctggct gtacacaaca aaaccaaagg 11880  
 ctgaccctct accacagcca gatgacacag ggcagcattt cttagtctaa tccaccaatc 11940  
 actagcagac caactgcttg aactgcctgt ttaaaatgca gacacctgga ctccacccca 12000  
  
 cgccctctga ctgaacttct gaggatgggg ccagaaatc tccctttttt agcaagtttc 12060  
 ctgagtcttc acctgcattc ccaagcttga gaatcacctt agaacttttt ctttccctg 12120  
 aatcacctaa gtctttgctt gaagtttgct gcactcagct gtgcctttcc cgtgtttgct 12180  
 cctctgtaat ggaacatcat tgatggaggg ctttctcgcc cttattcaaa gaccaaattg 12240  
 aatcccagtt cttccaagaa gcagctttta cagaaagaaa attagatcac tatattcttt 12300  
 gccctctat ctttaacag ccccccctcc actttgagta ggactccata tttcaaatct 12360  
 tttcagtga atactcaatt agctcctgca agtaacttcc tctctgtaag agcgttggca 12420  
  
 gcagcttgta catttcaga aaaagagtga ccattttaaa gagttataca gttccaagta 12480  
 cataaagcct ggiattacat gcttaggaaa catagtcttg agtagacagc cgtgtttcaa 12540  
 gtgtgtacat gaaaaagctt gtctgctaaa cttttgttga tgattacttt caagctgcgt 12600  
 tagctagatg ggaaatatta atacactatc aaaggtagct catcctgcca accatttcaa 12660  
 catagaaaga aggttgctac aaaactacaa agcaaatgaa tatctggagt aagaagttag 12720  
 aaaagaggaa gggagcttcc tatattcagc aatactttct ttttccactc agggaggcga 12780  
 tgctagaatt gctgattaaa tgcctcaagt ttggacctct ctagaatc tttgttcttt 12840  
  
 gaacaggcta cagtctcttg caacttccgg ggttcagaat gtaagtgtgg tatgccatac 12900  
 agtaaatgaa gccttctgtt gtcagagctg gaaataggag gggggaggag aaggagggt 12960  
 tgatctcaag tgatttttat tggcttcatt tacatcctgt ttaaggcttt ccaagtagct 13020  
 caaggtgtct tatctctggc taccaggggg tattttgcag tcaaagcagt taacatattt 13080  
 tctctctccc tctcctctg tcccttccc tcaagctctc tttttttca agccatctta 13140  
 tcttatcaca cacatctctt caggctgagg agaaccata cttatcagaa gcagtgcact 13200

ctattgtcgt tcagggctgt taaagacaaa tgatagtgt agtcaaaaga aaatcagtta 13260

acctcttctg cactccgttt tgaatactc tggactgcct cacctttatt agtcctaagt 13320

ggcatcagaa gtgcccetca aatttccatg catacagaac atcccatctc ccccatcaga 13380

glaagaagac tagggacaaa gttgctggtc actgttggac actgacgtca catgaggcac 13440

ttctgccttt atcagactcc tccccactct taggtgactt atccatgac tcacaggaag 13500

tggtagcttc aaacatctat aaggaaaaac aacaacaaca aaaacaaca caaaaccag 13560

aaactaaagg agagtaaggg aaagtgggga acagtagtca agagacaagg aacttctccc 13620

cagatatgcc tgaatgcttg cccacgacac tgacataaac acgagagggc tgtcagaagc 13680

atacgagca cgcatcttct gtaacagcaa cacagacact attattcaaa cctattaaat 13740

catcacacaa tctgctagag agcctgagtg ttgaagagct tgatcttctg ttacaaactc 13800

agcaatgata gcccttgatt ctgagtacac attggaatcg tccaaagagc ctttaaaatt 13860

acatactgga tccatctca ggccaattaa atcagactct ctgagagtta agacccatag 13920

agggtacagg ctgggttcac aaccactacc ctgattaaa aaccccatgg aagctggtct 13980

aaaagacaga ttccacaaaa caaatctctt tcttatccag gttcccttac cctcgacag 14040

gcaggccagc actggggcga gttttctgca ctactttgtg tcatatgcaa tgaaccagat 14100

attaaaaaa aaaaaaaaaa aaaaagttag agcaagcaat actgaacact ccaatcattc 14160

accattatca caggtaaaag tgcaatatgt aaacagttat taggcgtctc atctgtgtgt 14220

tttatactcc ctttaaaaaa tccatttctt ctctccttc atacccagc accccatggg 14280

ctcctttata ttagtgataa cccatactt tcacctgcag tgaaggctct ctttaattgtc 14340

cattatctta gtgtgtcagc aacaaaggag caggaatgga atcctcgtcc aaacggtttc 14400

acctccctct cctgagagtg atgcccttgt caaggcatta aagacacgaa aacctgccac 14460

ttatcagaat tgtatttgaa tcgaaccact gtccttgaaa actgtaggca ggagatatta 14520

tcaaaccaca acgcattgcc agctccagtt ccatgggtggc tcgaacaatc tagaaagata 14580

ctatccaaac ttgccaatgc attctcata atagaattac agggacaat gcaaactgc 14640

tcgctgattt ttttaaatg gttaagtata aagaaatgca tgggtcaggt tgttgatgaa 14700

tacaaatgta acagttccaa gccttaggac accttgaat gtaaaactac caagaaacca 14760

aaccataaaa ctcttcta atactctacc ttcaattctt aacaaaacgt aagtcaaggc 14820

tattaaaaca tcacatttat ctttgttata atgaggggga aaatgtgcac atctttagta 14880

tcctatggac agattcaaaa acaatgcaca ttctaagag cacttaaaaa caaaattgaa 14940

agaaaaacca ttatittgtaa gtattcaggc caatctgtgt gccttccaca tctctgtttt 15000  
 tcctttctcac tttttatact tttttcttat tctattcaaa cccacgctgc cttagaaaaa 15060  
 agaatgtatg cgtgctttta acaagtaaac aagtgtacaa attaattcag agagcagtaa 15120  
 ttttgaaaat tticaatgtt taatgtacac tgcagttaaa ctactttttc tgtacaaatt 15180  
 aatttactgc atcagtgatc gatgtttatg tttaggcaat tttattttctc agtatggtaa 15240  
 aattagacct aatagttgca acctgttatg tccaatctgt cactgaaatt caaattgcct 15300  
 ttttctatt attcaaggag caatttggag gaattaaagc catctaaaaa tggagacaa 15360  
  
 actattctct gtaaggactc aatagcctgt gtcacaaacc aaatccacat ccccgatctc 15420  
 ttctgagcag gtcttttcaa catgatTTTT ctgaggttct caaactttca catttgccaa 15480  
 gccacacaag aggaaatttt aggggtgaaac taaaaatttt accctacaaa ttttcagcct 15540  
 tcaagagacg taatcaaaaa gtccaagat catggtgttg acttccaaat accaactctc 15600  
 acctaaaaaa ctccaactt tcatggcata tatatttgct acatcctata ttttttttt 15660  
 gcttgTTTT ctgatctag gaatatatta tttttcttg cacaatgagt ttaatttgta 15720  
 attcctttct tactggggag aattcaatta tttagatgta taagatttaa attttgcagt 15780  
  
 gatgaatgct aaaattggga aacaataag gcctgttttt gaacataatt tgttttgctt 15840  
 ggTTTTctc attgtttagc tatcgaatgt agtgggtgat tcttgttcta tactgtgaat 15900  
 acaaaggaca taccaaaatg gagagagtgg gagaggacaa actgaaaaat tgggtgcaaag 15960  
 ccatcacagc ccccttagag ggggtgggga atgtcaaagc aggctacaac taaaagggga 16020  
 cataatctga tgagactcca cttcaaatc gcaatgccat cgtgttaca tacgtttctc 16080  
 ctagattttg ggtttttca acaaaagaac cccaaatcag ctgttggtat aatcatccct 16140  
 tggataaaa gaatttctga aaatgtttct tttgtaacac tccctgactc ccaacttcta 16200  
  
 ttccaagtc tgcctttctc aacagagttt gcagtgatTT tgaggagatc acctgtagat 16260  
 tttggaatgc ttcatctgat tagataacct caattttccc ttatgggttaa gtttcacat 16320  
 tatttggga actctgaacg tttatatcaa accaatcctc ttttcttcac agtgggtcaat 16380  
 actggtttga ctttttttc cttgtccttt tgttagctta aaaagccaaa ttaaatggta 16440  
 tcatgcctca atttactct actcaatgtc acatatggcc tcagcttaca tgctatacca 16500  
 aaataacttc attccctcag ggtaaagag acaactcaag aggtagctct tcccagccac 16560  
 tgacactttg ccacaaaact ttctctctgg gcagaaaagg acacaattaa aagaggaaat 16620  
  
 tacttgttca gaactggata tcaaagctca gagtcactct gtatcagcag aagatctggT 16680  
 gtcaaaaata ctgaaataaa ctgaaatgag tacccttctt cgtttcttt ctactcttt 16740  
 ctaacttttc catgatcact ttttaaattc taagacaaac tcatttctc agaagattgc 16800

ttagatcatc aagctgatta ataattttac ttcaacgcag gactgattaa tgtggattat 16860  
 tcaactgatt aatactgtta ctatatggca catccaagtg ggactaagt gtcttgtttt 16920  
 cataaatttt ttaaaattat tgaaataagt tctaattaat gtaacttggt cttaagtcta 16980  
 gagaacttca ctgtaatgta aaattgagga cttgatgttt tttgggggga ggggttttct 17040  
  
 caataccaaa atacttagaa aaagcaaatg aaaacagagc acattgattc atagcatttt 17100  
 taaactcagc tctgtgatga tatgaatcta ttgttcaacc gcataaattc actggcttca 17160  
 gaacacccaaa cttacatgtg acacagacaa atgaaccacc aacaccttca cttctcact 17220  
 ctccccaagc tgagtcttg ccatagtcca ctgagaaact ccaagactac cttccttcca 17280  
 atagtggtaa gtaaggaaat catagccatc ctgctccacc agatgcaggt ccaggggacc 17340  
 ccaccatata ccagcagttt ttactctgcc agtgcagaag ttctcctggt ttcaactttc 17400  
 ccagagacat tctaacacac aagctgtgta tgcattgtga cacacacaca cacacacaca 17460  
  
 cacacacact ctacccttt ataccacccc acatccaaag atcagagtcc ctttaagagc 17520  
 cactgtactt atagctactt cccccacagc agtcttggc ttccaggaagc ctaagacctc 17580  
 acagagactc tgaccactaa aacttcagct tccccagtct gccactctc ctgttctaga 17640  
 ggagccagaa aagtgctat tccagtgct caagaaatgt agggaaagg acccagagtc 17700  
 tttgttctgg aagtgaatcc tggggaaatg caagtctcat ttcttaatg aaaactcaga 17760  
 attcaaatc tcatctaac agtgcttaca acttactgtt gttccagcgg tctctaacac 17820  
 aaaccagagg tatctttatg tgaactgcaa aaggcaatcc cctctaagag gagaaattcc 17880  
  
 aaaaggtact ctctcacag atgacttttt taagtgtctc ttctgctggt cgtgactgca 17940  
 agcactgctg ttaggtttct gtctctcac ccattgctg gggatgtttg tgcagttcac 18000  
 aaactgcata gctgcattct gtggcctgt tctaccaacc ttatatattt aaatatattt 18060  
 gtgggctagc cttaaaatgt aattccact tactgcactg ctccattgga aatgtgtgg 18120  
 tgaattccaa gaaaccagct tattaaatta acttttggga gataatctat ttataagctg 18180  
 ggaactgcct gcattttaac tgggtggtttt gaaaatagag gaaaacaaat gaatcaactt 18240  
 tgctatagca aattttcatt gatctcattt ttgcaagggt gtttagcctc agcattcctg 18300  
  
 ttctgaggaa gagagtttta aaaatcccat taattttgtt gtgagtcac aatgaatact 18360  
 ttttagaatg cataattttt tgactacaca tctttgaatt cgtccttttt attaataaac 18420  
 tatgttttag gtggctgta gggtcacagc aaaattgagc agaaagtaca gggatttccc 18480  
 atatagccat gcctggacac atgcatagtc tccctatta tcgacatccc ccaccagaat 18540  
 ggtacatttg ctacaactga tgaacctcca ttgacacatc attatcacc aaacactcat 18600  
 atgcttttta gtctaagctt catgcgttca ctttgagct aggtggatga tgcaagacag 18660

ggaagaaggt ggcttacttg agacaaaaca gtcccaattg cttttgtaac ttgtattcaa 18720

gtttattcat tcattatfff acccatttgi tcatcaaacg ggcatTTTTgc taggcactgg 18780

gatcaaaggt gtatgaaatg tgattcttca cccactcttg gttttttgta aatatgtaca 18840

gaagtattta aaatgtacat attacatttt taaaatgctt gtgctctgct gggcgtgggtg 18900

gctcacacct gtaatctcag cactttggga ggctgaggca agaggatggc tgcaggcctg 18960

gagttcagga ctagcctgag caacatagtg agacccatct ctacaaaaaa tttaaaaatt 19020

agccagatgt gatggtacat gcctgtttgt ccagctactc agaaggctga ggcaagagga 19080

ttgcttgagc ccacgagttt gaggttactg tgagtgccac tgcattccag cctgggtgac 19140

agagtgagac ccttctctta aaaaaagaaa gaaaacagcc aaacatgcta accgattgcg 19200

ccacaggaac atcacacaca agggcctgta gtgggggtggg aggagggggg agggatgcgt 19260

taggagacat acctaatgta aatgacgagt taatgggtgc agcacatcaa catggcacat 19320

gtatacatat gtaacaaacc tgcacgttgi gcacatgtac cctagagctt aaagtataat 19380

aaataaataa ataaagtaaa aaaaaagaaa gtcttatgat ctttatgaaa aaaagcttta 19440

aaatagctat aaatgagttt gttgctcaaa agctattaca cttcatattt tgtgaatatt 19500

cataatgtag aaggtccttt tgtttcagtg cgtataacac cacaatcaat ttaggggata 19560

gattaacttt ctaaaataga caagaatcat tctcttatat agatttcttt tttgtttgat 19620

cctattttcc tttttccccc atccaactaa tctgttcact atattttata ttgttttagg 19680

caaagactta tcaaaccccc aaaatgtagc tactattgtt aagactattc agttactgct 19740

ttgggctctt tggcatcatt cttctttcca ccacctcca cctctctta aagtaacatt 19800

ttgctttctg gtgaattttc cagtcttctc tgtgggtttg ctaacattgc taatatgtta 19860

ccttagagcc aatttaagt gagcattgat ttcttttccc cacctaagag aggattcagt 19920

tcaattatta ttgatgtttt ctctcttccc tttgtcacct ctcttgccca aaatcttgac 19980

catagtcttt acttgggctg tggtcacatg accttgtatt tgccaacca cagaaggggt 20040

tccatagtgc ttctcatcct aaggactctc ctgcttgaca acacccattc ccagactagt 20100

tgtttttacc taatattcca ttggaacaaa gataattttg aagcccaactg aatgaactag 20160

tgaatacatt ttcagggtgtg ttctagctac caccacagtc ctgctcttct gatgcagtca 20220

tcaattccat aatgatattc tgatgacca tttatggatg agaccagaa gaggcacagc 20280

agatacaaag ttgaccaaga cacaatacat ggttacaatg aatagttcac tgactaatga 20340

atgggagagg cacacatgta aacatatgat cacaaggcaa ggaaatcagg aatgttaata 20400

gaccctctta cagaaatgtt gtgggtgttc tgtggaagaa gcacgaaaac aatcttgtcg 20460  
aacatataat agccaccaag gatgtgttct ttgagttgaa ccttaaagaa taagcaggag 20520  
ttttccaggc aggaaaacaa tagtatgtac aaatgcaaac atttgtgatc agggaatcaa 20580  
tggtgtaaaa tgactacaaa gaggaacttg accttggtcg cacattaaaa ctgccitggag 20640  
atctttttta aatattgatg cttctactcc actcctagaa attcttatcg cattggacta 20700  
gaggtgaagt ttagattagt atttttttga agtttctcag gcaacactac agccaggttc 20760  
aagtgccact ggactagaac atagaatttg tgagaggaag tagagcccg tcatgatggc 20820

ttatggcccc aagtttatit gcaggcagca gagacagagc tgttgaagga tttcaatcag 20880  
cagagatggt tttcaccaga gcccttttga gtaggaggga ctggatgaag tctagaggca 20940  
gggagtcctt ttataaggct atggcaatgg tccagtgaga ggcaaaaaaa cctaaagtga 21000  
aggagtatcc cagtgcagaa gtgaaggaaa tgcattcatt tgtttagaaa aatagatcca 21060  
aaagactcag tgactaatta tatatgatga gggaaggaga aatgcctgta atgtctcttc 21120  
ctcccaaatt cctgccattt gtcacactat tagtcactat atggttggtt tactgcaaat 21180  
atttgcaaga agactattag gataaaaatc atagttttga atccaatgt cagaaacaac 21240

aggactcaat accaatgtta cagattgtct ttctacttaa agtcagctat ctgacacca 21300  
cacacacaca cagctctgat aggaagggtta aaagaagact ctattttggc tgggttagaa 21360  
caaagtaggc acccttataa aaaaggagtt tgacatgtat gtccacaga ctctaggtea 21420  
gcaacaacac ctctgaatct gaaatacaac gttatacacc aatggagctt taccaggaa 21480  
gaacatctgc aaaaatgaca acagaatatt gaagcaagaa tgattctaca tgctaacctg 21540  
cctttcgcc tgctctctt ggaaaagact tggcaacact gaatgtatat tatgatgta 21600  
tcatttatgc agtggcagtc ttaaaacgta aacttcttca tcatgacatt taggcaaaga 21660

taaccttatg gttttctaaa taacacgagt tagcatatta atttgaagag ctatattgat 21720  
atttacaaca atctcttat cctgtgtact ttctagctt tatttaaaga actttatctt 21780  
tatctagata aagaaccttt acacaccttt cccacttact taattagtca ttaataacag 21840  
tgtaaatatg taagaccttg caggcactgg catatgcaca caaatttcct tetgtcagac 21900  
agggatacaa ctacaagtc gcacttattt aaaaactcaa gtactgagca ctattataat 21960  
cacctactaa atgctgagaa cctactaaat gctaaactaa tctattttaa gagaggtaa 22020  
caaactacgg ctataggcc aaatgctctt gcttttgtaa ataaagtttt actggaacac 22080

agccattctt attcattcac atattgaata tgagttgttc aatgcagcag agttgactgg 22140  
ttgtgcagaa aaccataggg ctacacagaac ctcaaattat tactatgctg acttcataa 22200  
taaaattttg acaatccttg aattacagca ttgtcttata tattaacaac cctctctcac 22260

atagcaagaa taaatattta tggtagcata cctctttact ttcctttttt tttttttgat 22320  
 acagagtctc gctctgtcac ccaggtgga gtgcagtggg gcaatctcgg ctactgctc 22380  
 ggctcactgc aagctccgcc tcttgggttc atgccattct cctgcctcag cctccagagt 22440  
 aactgggact acaggtgccc gccaccatgc ccggctaata ttttttgat ttttagtaga 22500  
  
 gacagggttt cactgtgtta gccaggatgg tctccatctc ctgacctcg gattcaccca 22560  
 cctcagcctc cctaagtgtt gggattacag gcttgagcca ccacgccggg cttttacttt 22620  
 ctttcttttt tttttttaag acagtcttgi tctgtcacc aggttggagg gcagtggcac 22680  
 gatcttggct cactgcagcc tctgcctcct gggttcaagt gattctctg cttcagcctc 22740  
 ccaagtaact gggattacag gcgcatgcca ccatgccag ctaatttttg tgcctttagt 22800  
 agagatgggg ttttgccatg ttggccaggc tgatctcgaa ctctgacct caagtatct 22860  
 gctcacctca cactcccgaa gtgctgggat tacaagcctg agccaccatt cctggctctc 22920  
  
 tttactttct atctctgttg tctttgctaa aataaaagaa ttgtactctg cctaaaattt 22980  
 actaaaatat tacacttgca ggggacagag gctgaaagct gacaatcata ctctgaaata 23040  
 accaataatt taacattaca taaatttaac tctgctaagt acttgaaat aatttttctt 23100  
 ttattttgtt ttgagaccaa gtctcgtctt gtgcacctgg ctggagtgtt gtggcgcaat 23160  
 ctgggtaac tgcaaaactc acctcccagg ttcaggccat tcaccagcct cagcatcggg 23220  
 agtagctggg actacaggtg cccgccacca ctcccggcta atttttttgt attttttagta 23280  
 gagacggggt ttcatgtat tagccaggat ggtctcgatc tctgacatt gtgatccacc 23340  
  
 aatgaaaaat gtaaaatcat ttttcatttg tccattgccc ttcaagttac ataatctcac 23400  
 actctttcct attagcaag gctgttttta gaatctgttt tatattactt agctgtctgg 23460  
 gactgggtgg ctaaaaagag ccatccctca gctttcagca attatccaat accagatata 23520  
 aaaattatca tcagcaactt gtttgccata tttactgtgg aatagatctg aagtaagcta 23580  
 tttttctta gttttgttcc ttttttaaaa ctgtcatatt ttaaactggt cagaatttgt 23640  
 tccttttact ccataagaa tgactgcaat atgcatgaat ttctgccttc agcaagactg 23700  
 taataatctt tcacctatg gccttagaga ttaatgtctg tatgggtgcc agattcttca 23760  
  
 gaaactagct gccaaatgtg ttatcttcca aatagtgaac tccgatgta tcattccctt 23820  
 ttgaaaaatg cccgagaatt taggaagcca tctgttgat atatgaatta tacacatttt 23880  
 acaggctttg gcttcgattt cctcaaaca caataatttc catggtcttt tccaacatat 23940  
 catttagcca tcttgaaatt taaaatgtct catgtaaaaa tcatgtctct ccatttggtt 24000  
 aaaaaatgat tgtgaggga agagattctt aagtattca ttcttcagt aaaagttaag 24060  
 aaaaatatat tcaaagtga aatatattcc atgagatgtt aaattttaga ttgcaagta 24120

tccatatata tgtttgacat catgtaaacg aaacactcaa ataactgagg tttgtctttc 24180  
  
 ttccacttgg gttttctaaa ataaaaatgac aaatattatt tcccatgtaa gcctttaaaa 24240  
 ggacctacct gttctcaaaa ctacagatct taattctctg ctgcagttct gcaggagaaa 24300  
 aatgccgatt tgctatatac tatcaggata tcaggaataa caatgcttgg tggatcaaat 24360  
 gaaacaacag cattcgatgg aactggcttt tctttttccc ttctcatttc tatttgccaa 24420  
 actgcctgct ctgcttttta tgtaaaactg cagatgtctt cttattaatc aagattctaa 24480  
 tacattccag atgaataaac aacttcggta ctacagcacg taccattctc cttaaaccca 24540  
 ggatttatta gaattgccca ttccaagatc tcttaacttt aaaaagatgg tttattcttc 24600  
  
 ctatttctac agcaggggcc taataaatgc actgaaacta tgactttgtc cctttgcaat 24660  
 acaatactca aagagatttc cagccctaca gtgtaacatt atccaaatcc ttgaaaccc 24720  
 taagtagttt gctcaaactc aatcatccat atacagaaat catagacaat caatacaaat 24780  
 gcaatatgtt agtgatgaca ttagagaaac aatgtcccag aacctctgc agtatgcacc 24840  
 actacattca gcatccacta tacaggccaa cgtggcagcc gcaacataaa gctctaatta 24900  
 aaaagcactc ttcggtgaac agctaaatat ttgatattg aacctttcct tatacaagga 24960  
 ataattcagg gaaaattatc tacacacatg gtattgatta actcagggct gtgatttctc 25020  
  
 tgatttcaca ctggtgatag ttcaatggga gtttaccatg taatttacc aatcaaaata 25080  
 tgttcaagta ctgatattha aaaattaaat tctgtccac aatcattatt ttatgtattt 25140  
 ctacttgtac cgttttcaag ctaaaggaaa atagatcttt ctctatgtaa tcaaaaagaa 25200  
 acaggacagg gaagtaataa taagtgtaa aagcacatat tatagcaatg tatgtggcta 25260  
 atagcttttg tatagcatta gcacccctct tactgtccc agtttactaa tgttcttact 25320  
 aatactggac tcctaagggc ggttctataa ataagacatt tataatagaaa actaggaaaa 25380  
 tatgaaaggt tataatatta acataccaaa ctcatthtta attaaagaaa taaaaaagcc 25440  
  
 cagtctttag ggggtttggg aaaataaggt agtcaaatga gaccaattaa cttcattagc 25500  
 ttctgcaaat acctagtttt ctaacacata cctatttttc catctgtcc acagttaaat 25560  
 gtgtctacaa attaacattt tatttatgat tcaggttctg attcataaac actatgcaca 25620  
 tattctacaa aaatctaata cttcacggaa aaatacagag gactacattg caacttattt 25680  
 accttttttt ttttcttgaa caaagcaatc cagatcataa aataccatag gctaggaaat 25740  
 cagctacaca ctttctattt ccttctgttt ttaacacaag gtattttccc tggatatatc 25800  
 tgaagaagtt aaaattgctg ccttttctgt gtctctcttt tttattctca tctcatagta 25860

aatggcaaag gagtttctta ttcagtatct tataaagttc tcccctctct gccctgacat 25920  
tcacattaac ttcaaaccce atagcgcatc cataatgtgc tagaaatgct ttatatctga 25980  
gttttaaatg ctgtgcaagt gcctgtgctt tctactggct tatacaggag agcaaagctt 26040  
tcaaaatatg ttgcagggat aaacaaaaat cagcatgggt aaagggtgta tgctaattcc 26100  
attttaagta cttataaaaa ccttatccat aaggcaaacc aacttccttc acgcagtagt 26160  
tactaccatt caactgagaa tacaggcact ttacaaaatg gattcaagag ttattttaatt 26220  
tcactttaac ttctgtaagt aactctttat cccttgctga catgccattt tattatttta 26280

ttatttacag cagtacttgt tcataaatca aatccataca cctcttaaga taatagcaaa 26340  
acacaaaaaa gcaaaaaaga atttcccttt tgaatccaaa aattccaaga atatgtgttt 26400  
ctacaaatta tactgttggc ccctggcaca agccctttct gactgggcac cagaccctta 26460  
acccctgaag tacaaatcac tacggtatct ccatttatct gcactgccac attcctggga 26520  
cattactgat ctgaaggga agcctgtcac attcaggaaa atttagggga aacaattggg 26580  
agtttaaaag aattagactc attatatttt tgtgacttat actaactact ttaccttct 26640  
atgtagcaaa ctggaatata ttattctat ttgatctct tcaaaaaagt tggggtgctc 26700

aaagtgggtg atatatttgg gattttaaat ttttgaata aaaaagactc catatttcat 26760  
gaggaaaaga catggttcca tttagatttt gtgcttcaaa aatgtatct gctgatatac 26820  
aatggagctg tcataagtca aagttaaatg agaggcagca tttggataat aaaaaatatg 26880  
gttaataaga aatgatcagc atgtaatttg ctgagtcct ctggagaaat acagatataa 26940  
attggaaatc agtattaagg gcactgtaca acacagtatt ggtttgaact atacctcaa 27000  
agggttcaat agcagatgtg ggggggaact atttgcaagc accttacact tctcttggat 27060  
aatttttaca catgatatga actcaaatcc ttgcccaact cttcagttac tctgactatg 27120

cagtaatctt acttggcatg aacaaggctc gatgctgtca cagagaaaag tacaatttta 27180  
cagcgggaag cagcatcaga aaccaacttg tccagcacat tgttattcag cccagagaaa 27240  
ttaagtctt tgcctaaagt cctaaaatag taatgaagtc ttttcatttt gggttctagg 27300  
ctctatatca acttcaccag catatatgga tactggggaa taattgtggg acagtaaagg 27360  
ctggctgcac catgcaataa aatcaatga agcaaggtaa atgcataca aagatgtatt 27420  
cactgttata tacttatttt gtcttacagg tagaagcatg tacactatct aagttaacac 27480  
atttcagtgc catcttgata gggccaaact acatcaacca ggtagaaaaa atgttccta 27540

gcaataaaat aacaacatgt ccatcagcta ctaccagga cagctgtcta taattttgat 27600  
tttaaatcaa attctcact atctgtagcc taatatcttt taaaatcaat taagtttctt 27660  
ctttgcagat gctggttgat ttgtggtgt ggctgattta caaagtcctt ctccttgta 27720

atttactaga tcaaggtagc ttctataaac ccaacctgaa tgaatatgga gtaatacagg 27780  
 atttgagttc ctgagatctc ctagacataa aagaaggaag caaggtaga acagggaaatg 27840  
 ggtacccatg ggagtagccc actgtaaaaa tggacttgtc ttctctgaat cttatttgat 27900  
 acccactgtt ttccgctgag gtttatgtag cttgtttgat tacagatctt tgtccccaga 27960

tttcttctcc accccacctt tcttttcata cacagaccct tggacttcta taatggaatg 28020  
 gtaccacccc taagaaagag tctgaaaaat gaactagcgc agtgaaaacc cccagtaaat 28080  
 gttatgcaa cttatcatga gttaagccag aagtacaaat ttgctacatt gtggaaaggc 28140  
 tataaaatag caatttgtct tactgtatgt gcaattttta tgtattccaa agcatgtgta 28200  
 ttgtctatct ctattacca gatcattcaa acttttaagt gcaaagtaaa tataaagcgt 28260  
 tgccttttta ataatatgca gttgtagcat atgcttttct tgttttccac ctccagtgtg 28320  
 gaccagaaac acataattgc tgccttttact catgttatct gatcattaca caaaacatga 28380

acctgtttga gattacttta tatttttaca attattattg ttaacagcta ctttcactat 28440  
 tctggaaca attgagaatt ttagtaggta atgggttata ttctttaata ctttacatac 28500  
 aaagtaaaaa ggaaggtgga aagttaaact ttttcccttc aaatttgtat aaaactgcaa 28560  
 ccacctttca taaaattacc aatataatca ctacataaga atgcataaag tgctcttggg 28620  
 ttctcgtttt tcagatatgt agtaactgaa tgtatttttc tatatattct ttccctatct 28680  
 tatttctgat ataaaagaag taaatatttt aatctataca agtcatttac attcaatatt 28740  
 glaacacatt tgcttactg atttatcaat ttgctcaatc aacaacacc ttctgagtac 28800

ctaccatgat gaggcactgt gatagaggct aagaagatat gaagatgaaa atgaccagct 28860  
 cattggcttc aagtctcgta acatagtatc agtcacaat ttaggagagt taagcatacg 28920  
 acccagcaat gccacttctg gacatatact caaaagaaat gaaagcacag tctcaaagag 28980  
 acagtatgtg catgtccatg ttactgcag cataattcag aagaaccaag aggcagaagc 29040  
 aaccttccat catgaatgat gatgaatgaa tggataaata aaatgtggtg tatatatatg 29100  
 gcataatat atatatcgta tatatatatg ttatatacat ggtatatata tggatatat 29160  
 atatgatata tatatggtat atatatggta tatatatgat atatatatat gtaaaatggg 29220

atattattta tcattaaaga agaagggaat attgtcacat gatgcaacac agatgaacct 29280  
 tgcaggcatt aagctaagt gaaagtgcc ataatgaatag acaaatacca tatgattcca 29340  
 gttatatgag gtacctagag tagtcaaatt catagagaca aaacacagaa tggatattgc 29400  
 caggggctgg ggagagacgg agatgcggaa ttgtttaatg agtatagagt ttcagttttg 29460  
 caagatgaaa agagtcttgg agattggctg cacaatgat gtgaatgtac gtaaacctta 29520  
 aaaatgattt ggatatgtaa aattttatgt tatgtatact ttaccacaat taattttttt 29580

aagttagcag ttacaaaaca taagcaaata tgatgccaac aaaagcataa atgccttaaa 29640  
  
agaagacagt gacgattcca aggagagagc agttatgtca ggttggagta tgcagttgca 29700  
ttccaaatgg agcatttcag atgggtttgt gacagaagta gagtttctga ctctacgctc 29760  
aagactttta ggcttgaaaa gaggccccct acaggagcga agtgcgggga agggatccca 29820  
gaggccagat aattctgaag aggctcttag tctgcagtcc tttgtgagga aatggggcaa 29880  
tctaaggaag aaagacaaga acagagctag gaaggagaac agtgttgggt cagaaataca 29940  
agtgtgtgtg cagctgaagg aaaaaaaaa cattaaaact gagttcacta tggcagaaca 30000  
aggtgtagag catctcacag aaggacaggt ggttaaatgg tccagattta ttgagcatgc 30060  
  
cattggactg agttctgaag acggccatgg caaaaaatac ttcaataaag gcaccacaga 30120  
tgtagttaaa agaaaggaac attctgggcg aagtcaaaag cacaaggaaa ggcagagatg 30180  
agaaaagtct agcaggaatg gaggctagat ggggagacta ccgtagatca ctggggtagc 30240  
aacgcaggat gggactccct gggtaatac actgtactca tagttttagg aacacttctg 30300  
ttgcttttag gaaagtggaa ttgatcatca acttaagtaa catctaagtt ccttcattta 30360  
actcacaat tataatgatt aaaaagatct attttagaaa agatctatct tagaaaagttc 30420  
ataccattt caatctatct tttcaattta ctgtcatga tgggctatta agtttaatat 30480  
  
aaatatcaag ctaggagtga gttttagtag tgagaccctt ggacaacaag gaaaacaagc 30540  
ctgggctcaa acaacacatt gcttcaactt cttatgtgac cttaaataca taacttcctg 30600  
tctgaacctt cgtttccttt cttggtaagt tcaaaaggga ctagatttct atactgtttc 30660  
ctatccatgc agttctaata ttctatgact gtctcaaggt ggagggtgaa ctgcctgaga 30720  
gtcagaaatc cattcgtaag cgatatccct tgttcttccc tgcctgccag tggctacacg 30780  
gagcaactaa aggcaatagg aaaacagaaa ataattgcct cctgtactcg caggatcatga 30840  
aacctcctct tcattttcca acctatcaga gatgcttggt gagtatcaaa tgcataatct 30900  
  
caaattcctt atatctcagc ctttctgact ggaagagata caaaggaagg gttgtggctt 30960  
tcaagtcttg ggaagaggtc catatcccat tataacgggt gaagctcaac aactttctca 31020  
tgtctcttca atttagtttt cttttttctc cttcaatatt ttgtataaag tcccagaaga 31080  
acacattcac agacacacat gcacatgtgt gcacaaatac acatacagac atacacacac 31140  
acttcacatt taaaaaaca aattttcttt ggtttatctg ccatttggag gtatacatgt 31200  
agtattccct tcigtatgta taggctatag attaaataaa gacaattcta tactacatta 31260  
ttgataacga ggcactctca taattgataa gaataataat attaaaaggt agacaccact 31320

tcctgttcgt taccttcttt gttttcagaa aaaaagtcac ttgctttgtt tcacatttag 31380  
 tagctgttat tgacgataag gtttgataa tatcactgga gaattgcttt tattccagca 31440  
 agacagcatt cttagaatat gcccatagac tattacaaaa tgtacagctt gcccacatg 31500  
 aatcacagtg ataggattag gcccaaaggg agctatgaca actctctaca agtaactgaa 31560  
 aggtgcaaat ggcaggagg gaaaagaatt atttaaagag gtccgagggtg tatgtgaaga 31620  
 gggattaaat taagcaaagg aaaattcagg ttttatatca agaaaaaatt cctaattggca 31680  
 atatgttaaa agaatagctt cccaagaaat gtgtcggaag ctgagatgct ggagggaatt 31740  
  
 ttaactgtaa ctgaaacaat actggaaata gaccataagg acagaagccc atgccggtga 31800  
 gagatgagct tgttgacca ccagctttcc tatcttcttc tctatcatgc tatggatctt 31860  
 tctgaagaaa ataagagatt aaagactgag aactagccta tcaaaaatga cactggagac 31920  
 acgtggcctc tctatttata aaagaagacc acttatatgg gtttcctatg ggctgcctct 31980  
 ccatctacac aacagggtaa gtgaaaatgt tctccaaaca cagagtatca tttaggtata 32040  
 aaatattata ataaaaataa tagctatcat ctattgagta atgacaatgt gccaggcacc 32100  
 ctgctacatg cttgatatgt gtcatgtcat ttacacttca caaaaacctg tgagctttca 32160  
  
 cagatgagag aaccaagacc taatatgtgc ctaagaacac agagtcata agtagtgga 32220  
 gatttgaacc catgtagtta gaggtcagt cctgagctct caattcctga gctactttca 32280  
 acaacatggc agctaagaaa gtttacacca aaaagagaaa gctagtcttt ttgtttta 32340  
 ctttttacc agcgtaggtta ccaggaggga tctctgaaag gcaggttact cctcgccagg 32400  
 agtaggatca aatcatgagc ttattttaaa ttggccatt ctaggtacag tcttgccaa 32460  
 gtctggattt gtaattttagc agaaaagaaa cttttgaggc agccctttga ttcaattctt 32520  
 gtgacccttg tgaataaac cttcttaaga ctgagttatg gtatcaattt gcttcaatcc 32580  
  
 aacaaatatg tacactgtga tgcactcaag gggctaatat ctagctgggg atcagatttag 32640  
 ttcatctcca aagtagttgg agagggcacc acgggcgtaa acttcagga gcagaggtaa 32700  
 gaagagagct gaaggagta gagaggaaaa caaaaacagc aacaggaggg tggagtcggg 32760  
 gtccagggtga actagaattt caagacgatc attccatcca cgcatgggc aataaagatc 32820  
 tgttgagtgc ctacatgtg ccaggcactg ggaacacagc agtcaacggt atttcagact 32880  
 ttatggagct tacaggtatg tcagaagaca gacatcacc aacagcagtt cacagagaat 32940  
 gtggtcgtgg acgcacctag actggggctc agtgaaggcc tcccagaggg aacaccctt 33000  
  
 aaactaaaag gaagaagagg aggcaaagag gtgattgact ccagacagaa aagcacagca 33060  
 tgaggacagg ccaaggaaga aaaagtgtt ggtcagttca aggaatagag agcaagtggg 33120  
 gctaccagag caacaaggg ggaggttggg gaagagaaag ctacaagatt ctgcacaggc 33180

aaattatgta gggagtgtaa ggtgcataaa ggactctgaa gttcattcaa agagccttgg 33240  
 gaaacactga gagcttttga gcatgaactg atttggttcc aagacaacat aatagtaaat 33300  
 gccaaaggtct tctgattcag acacatcctg ggttcaaate ccacttctgt cacttattca 33360  
 ctatgtgccc catgtctcat acaaaaaaaaa gaaatgctaa aataaaacaa agcaaacaaa 33420  
  
 aaataaataa ataaaacaat gcctacctct cctaaggttg gccagaagga ttaagtaagc 33480  
 taaggttggg agtttagtgc atttctggaa atgtggtcag cattaaaaag aacaggtagc 33540  
 aacataaaat agggatataa agtatgggtg ggggtggggg tcggagcatg ggatgtggag 33600  
 gaagaaaacc ttaagcaagt tacttaacct tttcttcaga acctcagcat cttcatctgg 33660  
 aaaacatgtt tcaacttcat ggatttcttt taaaaattca atggaaaaat atgtattata 33720  
 tctagcacat agtaagtact tagtaaatta ttattactat tgctagtaat agtaacaata 33780  
 tacggtatta tccataaaac ttatacttt ttggcatgtt actccaaaaa agcagtggat 33840  
  
 ttctactat tataattact catgtgtctt acgtattctt attgaactct gtggtgctca 33900  
 gaatattttc tcagcattat gttatctctt caatcttcaa aatccccagg agagtcatag 33960  
 gtacaaatga aaatactgat gcacgtggaa agtaaaaccc cataaggaac acaagaagga 34020  
 aaatataggt caccagagtt caactaaaat gtaactgtta ctctataaat aatagatata 34080  
 tttcttaaaa ttaaggcaca atttcaacag agtaaaatac gaaaacctgg aaaccttttc 34140  
 ttcaggatac ttcataaage aagtccttc tctgcttttg cctgtcactt tccaggttc 34200  
 cagagtgtca ctgcagtgtc acagtgaggt ggtaaagta tgaaccggag ggtctgagag 34260  
  
 gcaatttgca tctctgggaa ttcatgtcca gagtccctct cagtttggcc aacgtcagct 34320  
 gcatcagagc acctccagtt actaacaaaa cagagactct gggggcaagt gagttaatac 34380  
 attttagacc taactaaaca cctgacctgt ctgattagca ggagctaggg gatgaccttt 34440  
 aaaactcagt gtcaaaactt gattctgaac tcatcttctt tcttgttctt agagtacccc 34500  
 atacctctg tggtaacga gactgattcc ctgctcaatt ttacaatttt atgtattttg 34560  
 ccattcttgt cacatagtat gcttggcaca ttaaaggggc ctaagaaggg ttgtctact 34620  
 cggatgaatga gtccatcttc ccaatttctc tatcacaaca tatactttac ttctctatac 34680  
  
 ttatgaatag ttaggaagaa aaacaaaaag ccaaaagaat ttatttgatt tctcctctct 34740  
 ctccctctct cactttctat ccccttttct cttctctctc cttctctctc tctatttttt 34800  
 ctctctgtgt atatgctttt ttttttaatt tttaaaagcc actcaatgaa gagattgagc 34860  
 agaggtgtc cagtctcgga aacagtgggt ctccctgacc agatggaact ctattaagct 34920  
 tgtctccatg gaatgtgctt aaaggaaaag ggtctgtctg aaagtctat atatttaagc 34980  
 aatgcccaga gttgctgagt ctaaccgtaa ctattaccc acccctgct gtgcggaagg 35040

acttgggcat tttaacctcat cagcgttaaa gaaaaggagc caggagtttt taaacaaaca 35100

cagcaacaga ccaaacatcc taaaactctt aagtttttac taggattata aaactcttag 35160

ttaagtaaac caacaattaa gagacagtag cacaatggac aatagctttt gccttataaa 35220

ggacagacag tacaagaagt ccctatacag tacaaggaaa caatcaccta cgtcccttta 35280

tcacttatgt cttatgtcat ctttctttac actcatacca tgggagtctt ccatggccct 35340

cccacaagac ctgctctgaa aaaaatatta gaaaattata gagaactggt gagttcaaaa 35400

atgggatgat ttcttttttg aaaacagcaa caattttaag gcagatactt ttccctgggg 35460

ttttacattc acatggtata gtactctttt atagaaattc ctgtactcca aaatatcttt 35520

cctcacagtg ctigaatgat tttttccgt cttgttacac tacttgaaga caacacatta 35580

gtttttgaag ttgacctttt gtttagaaag taaaaaaca tctgggaaga ttaactatgt 35640

tggttatcca catcttagca tgaatttgc taaaggagga attcattttg tcattctata 35700

aacatttact gatcatctac tatgatcaga gaaaaacaga atctctgccc tcatgaaact 35760

catgggtaag aaaagcaata acaaaactat caaaataata aagtggtaag ttttttgata 35820

tggcaataaa atacaaggag aaataagacc acagtgtcaa tacctggctc aaagagacag 35880

gagggctgcc tagggcagtg agtaagaat aagaaggagt cacctacacc tgtcatgtag 35940

gggatgtttt aaaggatata ccaggacag tctgggatgg tttgagcagc tgataatgcc 36000

aacagacctt tagagagaat caggaggtag aaaggggctg aggaatagag tgaaaatact 36060

gccaagaaac agctttgtcc attgcaaact ttctctgaat gtcaacttag ataccactgg 36120

tgagtaactg tgaagcagga cagagcacag agtactagaa acggccagtg gaatatctcc 36180

ttttctgttt tgtaattatt tgcttggaca attccaata aaccactagt agttaggcac 36240

tgttttgat tacaagacta tgttctcaca aattccaaat ctcttaatca aaaccaaggt 36300

cagaatgagt ctcacttagc cccaggacaa aagtttatta aagcatccag aattagaagg 36360

taactttgat atctaaattt agctcccagt gcctggcacg tgggagacac taatttcac 36420

catcttcaa accagtgatt ctgacatga tcaagataga gtatcacagt tactctgatt 36480

gatgaaaaaa aaaagttagg tcaataactt gctttttttt ttgttttttt gagacagagt 36540

ttcactcttg tcgccaggc tggagtgcag tggcacgac ttggctcact gcaacctcca 36600

cctctgggt tcaagggatt ttectgctc agcttcccaa ttagctggga ttacaggtgc 36660

ttgccaccac gccagctaa tttttgtatt tttagtagag acggagcttc accatgtagg 36720

tcaacaactt tgtttgttg tttgttttg gaacagagtc tcgctctgtc gccaggctg 36780

gagcacaatg atgcaatctt ggctcactgc aacttctgcc ttccgggttc aagccattct 36840  
 cctgcgtcag cgtcctgaat agctgggact acaggtgcac actgccatgc ccagttaatc 36900  
 gtttgtatTT ttcagtagag acgaggtttc accgtgttaa ccagggttgt ctcgaaactcc 36960  
 tgagctcagg ttatccgccc acctcagcct cccaaagtac taggattaca ggcataagcc 37020  
 acagcacctg gcctaggica ataactttct taacctatat gtaagaatga ataaataggt 37080  
 tattagcttt ttcattagaa tatcaccatt atacctgtga tactgttaac tatttgaaat 37140  
 ttaacagtgc taaattttgt catgtaacaa aatcttttta tatccaaagt attttacttg 37200  
  
 ttccagatag ataccatgaa aaaggtgtgg taccctcatt atttgtatga attgaaatca 37260  
 ggtacctggt tcaagcagtt atcaccaact ttctaaactc tttggaccgc aactactctt 37320  
 gtatctcagg aaactattat cctaatttgi agagctatga ggattaaatg aggggattag 37380  
 gatattcatt cctggtaatt ttactctgcc attttgttcc agcattttga gtcttagaat 37440  
 gtgaaatata agcactttac acagaatttt gtcagtacag atatatTTTT gtcattaaca 37500  
 aatttctgga atatactcaa ctgagttgat taaattcctt catcaatttc ttatacagca 37560  
 ctattaacta cactattttt tccattttta attcttgttt cactgaaatt attttactg 37620  
  
 ggatcagctc atttttatta aaattatatg atgataattt gattcattta tcaattttgt 37680  
 ccatattaaa catattatga gtttcctaag atcaatattt ctaccaagtt caatttttgt 37740  
 gattcaaatt ttgaagaatt acattttgtc aagatctcat tctctgtca attttatca 37800  
 aaaccaaatt ttatggagtt taatttacat ctccataatg tttattttta tgttcattat 37860  
 ttctttcagt aattttcatt gttaattaaa caaaagcccg aaagtctat ttatttgta 37920  
 gctaaatcaa ggaactctga ttagatactt tataagaggg aagaaaacag ggtgaaacag 37980  
 aggaagaaa cagaaaaagc ttcaggaagg aggagaggaa aatgtggaca ccatgaaaag 38040  
  
 gaaaagaata cagagagaga aacaccaagt atggcaggaa ggagaaaagg aaggaaaaag 38100  
 tctgcaggaa aataacagca tattctcttg ggtgaaaata atggaaacca actatcaccg 38160  
 gggaaaaata aacagcttca ttaaacaaca aagcataact attattattt gattttaata 38220  
 ggttcccttc taaaactgtg ttggtaagtc aactgttatt catgacatac atttttaaaa 38280  
 atattaaaca aaaatctaaa tttcaggtga cttaacagca ccatcctctg ttctgaacac 38340  
 tcacaagttg ccacctaaat gatgttactt aactccagtg ttcaaaatac ttgctcaggt 38400  
 gttagctgtt gggaacaaca aatgtgagac aaaaagcaga ggccaaagta gaagaggaag 38460  
  
 aaaggataat tagatcttta cctctcccat tcttggaactc aggactggct ctgggtagaa 38520  
 ttacaataaa tgaagttatc ataaacattc ctgctttctt tctgaaatt aattactgtt 38580  
 acccagtttc tctctcccc tgatatcaga accctcttag tgtcctaaga tctccctcta 38640

agagactcta ggagacattt attcagacac ctaaggagcg ctctacatat ccatcctcct 38700  
 cattcattct cacatcctgt tccctcaata cgactgttct ccagcactga aaggaaaaca 38760  
 atctgttagt acaacaacta cagagaacag ttggagggtt cctcaagaaa ctaaaaatag 38820  
 agctacccta tccattgcg gggcatatac ccaaaagaaa ggaatcagta aatcaaagag 38880  
  
 ataagtgcac tcatgcttgc tgcagcactg ttgacaatag ctaagacttg gaagcaacct 38940  
 aagcgtctat caacagatga atgggaaaat aatattggtt atgtatacac aatggagtac 39000  
 tattcagaca taaaaaaga ataagatcct gtcgtttgca acaacatgga tggaaactgga 39060  
 gatcatatgt taagtgaat aagccaggca cagaaaagaca aacatcgctt cttctcactt 39120  
 actggtagaa actaaaaatc aaaacaattg aactcatgaa tacagtgagt aggaggatgg 39180  
 ttaccagggg ctgggaaaag tagtaggggt ctgggggaaa ggtgaggatg gttaatatgt 39240  
 acaaacata gaatgaatga ataagactta gtatttgata gcataacagg gtgactatag 39300  
  
 tcaataaaaa cttaactgta tattttaaac taacttataa agagtataat tggattgttt 39360  
 gcaactcaat gaataaatgc ttgaggggat ggatgccccca ttcttcatga tgtgcttatt 39420  
 tcacatttca tgctgtatc aaagcatctc atgtactcct actatgtacc cacaaaagtt 39480  
 caaaattaaa aaacaatttt attagaaaag aaagcaatct gattaaatca gttttccact 39540  
 gacttgtgaa tgactgataa caatttagcc ttctaaaaga tactttaaaa atactataaa 39600  
 tcggatttgc tggcaagatg gctgaacagg aacaggtcgg gtctgcagct cccaatgaga 39660  
 tcaacacaga aggcgggtga tttctgcatt tccaactgag gtaccagtt catctcattg 39720  
  
 ggactgcttg gacagtgggt gcagccgacg gagggcaagc tgatgcaggg tggggtgtcg 39780  
 cctcactgag aagtgaagg ggtcggggga ttccctccc ctagccaagg gaagatgtga 39840  
 gggactgtac cagaggaat ggtgcactcc ggcccagata ctgcactttt cccacggtct 39900  
 tcacaacca cagaccagga gattccctcc tgggggtgcc tacgccacca gggccctggg 39960  
 tttcaagcac aaaactgggc agccatttgg gcagacactg agctagctgc aggaggtttt 40020  
 tgtttttgtt ttgttttctt tttttccata tccagtgac atctggaaca ccagctagac 40080  
 agtaccgttc attccctgga aagtgggctg aagccaggga gccaaagtgt ctggctcagc 40140  
  
 ggggtcccatc cccacagagc ccagcaagct aagatccact ggcttgaaat tctcgtgcc 40200  
 agcacagcag tcgaaggttg acctgggatg cttgagcttg gtggggggag gggcgtccgc 40260  
 cattgctgag gcttagtag gcagttttac cctcacagtg taaacaaagc tgccaggaag 40320  
 ttcaaactgg acggagccca ccgcagctca gcaaggcctc tgcggccaga ctgcctctct 40380  
 agattcctcc tctctgggca gggcatctct gaaaaaagt cagcagcccc agtcagcgac 40440  
 ttatagataa aacccccatc tccctgggag agagcacttg ggggaagggt cagctgtgga 40500

tgcagcttta gcagacttaa acgtccctgc ctgatggctc agaagagagc agcggatcac 40560  
  
 ccagcacagc attcgagctc tgataagggt cagactgcct cctcaagggg gtcctgacc 40620  
 cctgtgtatc ctaactgaga gatactccc agtagtggtg gacagacacc tcatacagga 40680  
 gagtcttgat tggcatctgg tgggtgaccc tctgggacga agcttccaga ggaagaagca 40740  
 ggcagcaatc tttgctgttc cgcagcctct gctggtgata ccccgcaaa cagggtctgg 40800  
 agcggaccta tagcaaacac cagaagagct gcagcagagg ggcctgactg ttagaaggaa 40860  
 aactaacaaa cagaaaagaa acagcatcag tatcaacaaa caggatgtcc actcagagac 40920  
 cccatccgaa ggtcaccaac atcaaagacc aaaggtagat aaatccatga aaatggggag 40980  
  
 aaacaacaca aaaagcctga aaaattccaa aaaccagaac acctcttctc ctacaaagga 41040  
 tcacaactcc tcaccagcaa gggaacaaaa ctacagagag aatgagtttc acaaattgac 41100  
 agaagtaggc ttcagaaggt cagtaataac aaactcctct gagctaaagg agcatgttct 41160  
 aacccaatgc aaggaagcta agaactga aaaaaagtta gacgaattgc taaccagaat 41220  
 aaccagtttt gagaagaaca taaatgaact gatggagctt aaaaacacag cacgagaact 41280  
 tcctgcagca tgtacaagta tcaatagcca acttgattaa gcagaggaaa ggatatcaga 41340  
 gattgaagat caacttgatg aaatacagca agaagacaag actgaagtaa gaaagaatga 41400  
  
 aaagaaacaa acaaagcccc caagaatat gagactatgt gaaaagacca aatttatgtt 41460  
 tgattgctgt acctgaaagt gatggggaca atagaaccaa gttggaaaac acatttcagg 41520  
 atattaatca ggagaactta cccaacctag caagacaggc caacattcaa attcaggaaa 41580  
 tacagagtac accaaaaaga tactgctcaa aaagagacca agacacataa tcgtcagatt 41640  
 caccaaggtt gaaatgaagg aaaaaatgtt aagggcagcc agagagaaaag gtggggttac 41700  
 ccacaaaggg aagcccatca gactaacagc ggatctcttg gtagaaaccc ataagccaga 41760  
 agatagtggg ggccaatatt caacattctt aaagaaaaga acttacaatc cagaatttca 41820  
  
 tatccagcca aactaatctt cttaagtga tgagaaataa aatcctttac aaacaagcaa 41880  
 atactgagag attatgtcac caccaggcct gccttacaag aactcctgaa ggaagcacta 41940  
 aacatggaaa gaaacaaccg gtaccagcca ctgcaaaaac atacctaact gtaaagacca 42000  
 tcaacactat gaagaaattg catcaattaa caggcaaaat aaccagttag catcataatg 42060  
 gcaggatcaa attcacacat aacaatatta accttaata caaacaggac aaatgcccc 42120  
 attaaaagac acagactagc aaattggata aagagtcaag acccattggt gtgctgtatc 42180  
 caggagactc atctcacatg caaagacata cataggtca aaataaaggg atggaggaat 42240

attaccaag caaatggaaa gcaaaaaaaaa aaaaaaaaaag caggggttgc aatcctagt 42300  
 ttgataaaa cagactttta accaacaag atcaaaagag acaagaagg gcattacata 42360  
 atcgtaaagg aatcaatgca acaagaagag ctaactatcc gaaataaata tgcacccaac 42420  
 acaggagcac ccagattcat aaagccagtt cttagagacc tacaagaga ctcagactcc 42480  
 cacacaataa tagtgggaga ctttattgac cccactgtca atattagaca gatcaacgcg 42540  
 acagaaaatt aacaagaca ttcaggtctt gaactcagct ctagaccaag tggacctaat 42600  
 agacatctac agaactctcc acaccaaatic aacagaatat acattcttct cagcaccacg 42660  
  
 tagcatttat tctataattg accacataat tggaagtaaa acactctca gcaaatgcaa 42720  
 aagaatggaa gtcataacaa acagtctctc agaccacagt gcaatcaaat tagaactcag 42780  
 aattaagaaa ctactcaaa actgcacaac tacatggaaa ctgaacaacc tgctcctgaa 42840  
 tgactattgg gtacataaag aaatgaaggc agaaataaag atgttctttc aaaccaatga 42900  
 gaacaaagac acaacgtacc agaactctctg ggacacattt aaagcagtc atagagggaa 42960  
 atttatagca ctaaatgccc acaagacaaa gcaggaaaga actaaaactg acaccctaac 43020  
 atcacaatta aaagatgtag agaaacaaga acaaacacat tcaaaagcta gcagaagaca 43080  
  
 agaaataact aagatcaag cagaactgaa gcagatggag acacaaaaag ccttcaaaa 43140  
 aatccaggag ctggtttttg aaaagatcaa caaaaaaaga tagaccacta ctcagactaa 43200  
 taaaaagaa aagagagaat aatcaaatg acacaataaa aaacgataat ggggatatca 43260  
 ccagtgttcc cagagaaata acaattccca tcagagaata ctataacat ctctatgcaa 43320  
 ataaactgga aaatctagaa gaaatggata aattccggga cacaactaa agactaaca 43380  
 ggaagaagct gaatccctga atagaccaat aacaagtctt gaaactgagg gagtaattaa 43440  
 tagcctacca accaaaaaaa gtccaggacc agatggattc acagctgaat cataccagag 43500  
  
 gtacaaagag gagctggtac cattccttct gaaactattc caaacaatag aaaaagacag 43560  
 aactcttctt aactcatttt atgaggccag catcatcttg atacaaaac ctggtagaga 43620  
 cacaacaaaa aaagaaaatt tcaggccaat atcgctgatg aacattgatg caaaaatcct 43680  
 caataaaata ctggcaaac gaatccagca gcacatcaaa aagcttattc accatgatca 43740  
 agccagcttc atccctggga tgcaaggctg gttcaatata cgcaaatcaa taaacataat 43800  
 ccatcacata aacagaacca atgacaaaaa ccatatgatt atctcactag atgcagaaaa 43860  
 ggcccttgac aaaattcaac agcccttcat gttaaaaact cttataaac taggtattga 43920  
  
 tggaacgtat ctcaaaataa taagagctat ttatgacaag cccacagcta atatcatact 43980  
 gaatgggcaa aaactggaag cattcccttt gaaaaccggc acaacacaag gatgccctct 44040  
 cacaactcct gttcagcata gtattggaag ttctggccag ggcaatcagg caagagaaag 44100

aaataaagca tactcaaata ggaagagaga aagtcaaatt gtctctgttt gctattacat 44160  
 gaatgtatat ttagaaaacc ccatcgtctc agcccaaat ctcctcaagc tgataagcaa 44220  
 cttcagcagt ctcaggatac aaaatcaatt gcgaaaatca caagcattcc tatacaccaa 44280  
 taacagacaa acagagagcc aaatcatgag tgaactctca ttcacaattg ctacaaggag 44340  
  
 aataaaatac ttaggaatac aacttacaag ggatgtgaag gacctcttca agaactataa 44400  
 accactgctc aaggaaataa gagaggacat aaacaaatgg aagaacattc catgctcatg 44460  
 gtaggaagaa gcaatatcat gaaaatggcc ataatgccca aagtaattta cagattcaat 44520  
 gctatcctca tcaaggtacc attgactttc ttcacagagt tggaaaaaac tacttgaaat 44580  
 ttcatatgga accaaaaaag agcctgcata gccatgacaa tcctaagcaa aaagaacaaa 44640  
 gctggaggca tcacactacc tgacttcaaa ctatactaca aggctacagt aaccaaagca 44700  
 gcatagtact ggtacacaaa cagatatata gaccaatgga acagaacaga ggcctcagaa 44760  
  
 ataacaccac acatctacaa ccatctcatc ttgacaaac ctgacaaaa caagcaatgg 44820  
 ggaaaggatg ccctatttaa taaatggtgt tgggaaaatt ggctagccat atgcagaaaa 44880  
 ctgaaactgg atccctgcct tacaccttat acaaaaatta actcaagata aagacttaaa 44940  
 cataagacct aaacacataa aaacataga agaaaaccta ggcaatacca ttcaggatat 45000  
 aggcatgggc aaagacttca tgactaaaac accaaaagca ttggcaacaa aagtcaaat 45060  
 tgacaagtgg gatctaatta aactaaagag cttctgcaat ccaatagaaa ctatcatcag 45120  
 agtgaagagg caacctacag aatgggagaa aatatttgca atctatccat ctgacaaagt 45180  
  
 gctaatatcc tgaatctaca aagaacttaa acaaatitgc aagaaaaaaa caaccccatc 45240  
 aaaaagtggg tgaaggatat gaacagacac ttctcaaaag aagacattta cacagccaac 45300  
 aaacatatga aaaaaaagtt catcatcact ggttattaag agaaatacaa atcaaaaccc 45360  
 caatgagata ttatctcatg ccagttagaa tggatgatcat taaaaagtca ggaaacaaca 45420  
 gatgctggag aggatgtaga gaaataggaa cacttttaca ctgttggtgg gagtgtcaat 45480  
 tagttcaacc attgtggaag acagtgtagc gattcctcaa ggatctagaa ctagaaatac 45540  
 cgattgacce agccatccca ttacaaggta tatacccaaa ggattataat tcattgtact 45600  
  
 ataaagacac atgtacacat atgtttattg tggcactgtt cccaatagca aagacttgga 45660  
 accaacccaa atgctcatca aggatagact ggatgaagaa aatatggcat atatacacca 45720  
 cggaatacta tgcagccata aaaaagaaag agttcatgtc cttttcaggg acatggatga 45780  
 agctggaaac catcattctc agcaaaactac cacaagaaca gaaaacaaa cactgcatgt 45840  
 tatcagtcac aagcgggagt tgtacaatga ggacacaggg atacaggagg gggaacatca 45900  
 cacaccgggg cctgttgttg gttggggggt tggggaggga tagcattagg agaaatatct 45960

aatgtatgatg acgggttgat aggtgcagcc aaccacatg gcacatgtat acctatgtaa 46020

caaacctgca cattctgcac atgtaccca gaacttaaag tataataata ataaaaaact 46080

gtaaatccta ataacgttta ggccagggtat ggtggctcac gcctgtaatc ccagcacttt 46140

gggaggcaga agcagggtga tcacttgagt ccaggagtgc aagaccagcc tgggcaacat 46200

ggcaaatcc tctctctaca aaaaataaaa aatttagcca ggcacgatga catgcacctg 46260

tagtcccagc tacttcgggg gctaaggcag gagaatcact tgagcccagg atacgaaggt 46320

tgcatgagc cgagatcgct cctctgtgct cccaagagga gtgaaacct gtctccaaa 46380

aaaaaaaaa aaaaaaaaaa aaaaaagac attttaata tctgcaacat ttacttttaa 46440

aagatgaagg tgccagaaaa taaatttgt tgcgcagtca caatataagc aggctagccc 46500

tactggatag ctccctcac tccaattcca tatatattha aaagtcaaa ctctttttca 46560

cgatcatcaa tgcagtagc agcagcagga aaacaaaaga caaatatggt tgtttgagaa 46620

ggaacctggt ataggagtta agggcatgga atctggaggc aggatgccta agttgaaacc 46680

cgagcttcat tattcatatt tacgtgactt tggacaagtt atttgccttt tctggtccat 46740

agctttccca tctgtaaaaa ggtaataaca attacactta aatcagatta ataaaagggt 46800

atgtatagta cttagagtgt aaggcataga gagtactatg taaatatttg ttataactac 46860

ttagtatata tggattgttc ataagacatt atgttttaa attagctagg agtggttgtt 46920

ttactttcta aaagtttcta ccacaatgtt gcatcttgta caggccttat tataagaaat 46980

ctgccacctg tccataacgg ctaatttggg gttaggataa gtacagtttt ctattattaa 47040

taataaacta attgttttaa gtttaggttag aaccacagaa cttcagggtta gaaagggtcc 47100

taacagttca gaggtatcat ctacagacc aagaagctga gggccagaaa aattaacaa 47160

ctcaggcaag cttagaggta gctggtggaa gattaaaagg tggaatctac ctctccttat 47220

cagctgtatt tcttcacttc caaagggcaa gggaagaacc ttcttccatg atgcagacac 47280

actgatactt tggcctccca agactctgct ataagaatta ttgatcctgg aatgaggaga 47340

ttcctttgct attaaggaat ttcttattc aaggaatacc aaggaaccag catacccaca 47400

agaatttccc caacatggtc agtagtcatg gtggtgattt cagctgggtt taagggaac 47460

tggggatact ctactatgta gatatgacac gaccagaagg cggctctctc taacttctgg 47520

atctgatgac caaatctcc cagagtcagc tgactatcag gtaagttgtt actgtgctgt 47580

tatctaaata cataaaatgc agactattac catactgttg aaaacaatta gatatgtggt 47640

atttattaga ggtaaatggc atatgaataa aatttcactg acaaatattt ccaaagatta 47700

tgtattacag aaaaaggag aatctaccaa cacaacaaaa tggaaacagg gatagtctca 47760  
 ttggaaggaa aatgtaacaa agttcaatat agctgaatct actcatattt atgatactgt 47820  
 tgtgggcagg tactttggaa taatgaagaa atacttgcac actgccaggc attcaatgta 47880  
 caattcttgg ggcatcttcc agacttgttt acagaatgaa ataagatgtt gtgtctagt 47940  
 gatgggagag ttgtcatttg aatatattta cagtatctta aagtatgttg tgggacttat 48000  
 ggcttgtccc ctagattcct tcttcattgt tgtatattta actttatgac catcaggcat 48060  
 ggcaagtacc tcaatatcct actgttcaac taagcagcag agtacagaga aaaaaaagtt 48120  
  
 tcatcccaaa agcgggtgga gggaacagaa ataaggaaga aaaagaaaaa aacttacaaa 48180  
 ccttatctgg gctttcattc aaaacaaatt ccttatccaa cctataaaat attgccaaaa 48240  
 aaacttgcta tagtgcaaac actcaatcat caaggtactg aaaaatttac agtggatttc 48300  
 ctgccattt gtggggccac tggatcctgc tgcgataaaa cttgcaaaaa tatgacaggc 48360  
 atttgaataa acctttctat ctcataattg aggttttgta aaaggatgaa cttaacatt 48420  
 tctccaata caacttatgg cgcaaaaatt ttttaaaaa ataggaaggt aaagccaagg 48480  
 acatcactaa aagggggaca aataagcatg ttttactcta atctagagct ataactggct 48540  
  
 gagtagttaa gatgaatgca aactagtga ccaatgaaaa cgaatgtaca gaatctttac 48600  
 actttgattt attggccatc cgggcacca ctcattcggt aataacatca tgtgtagcac 48660  
 gcctacccat ttactcttaa gataacaaag attattaacc agacagcaag aaacacatca 48720  
 tactttcaaa atacacattt tgattacca cactgtatcc acatgatgac aagctactac 48780  
 attttcaggg attgtccct cctctttcc tttccccat cagccaaggt ttagtgttct 48840  
 gcaactgggc caatgggctt tcttgccaaa caaatctaag gaaaggaaag ggaaacaggt 48900  
 cacagggcta gactgaccag gattgcctac gccacggaga caggaagctt gggcctccag 48960  
  
 gggtagacct ttttgacgt gtgcccttcc ccttgacaca tgagcaccag catacgagct 49020  
 gatccatgaa ggaggtgta ggggagtgag agaaaggtga tgagttgaca gcatctgcta 49080  
 aaagacgtcc aggaagctg ctattgatgg cggaggagca caaagtttgg caatcgccca 49140  
 ccggcaccat gtgcaaaaag agcttacttt caagggttaa cttataaagg taaaatttga 49200  
 acagtgatag tggaaaaagc aggggaattt tctgcttggg gccaccatag aggtaaactg 49260  
 tgctgtgag gctactcagg gcatcacaga aaatgatcac tatcagacca aaaatatgca 49320  
 tgcccttatg cacagcaaa aggggcttca tcaactcttc tttcttccc ctctctccc 49380  
  
 ctccaccac cccagacaga aagtgtacc ttacgttca ccctgcagat agaaaaatgt 49440  
 taatttaagg catatcaaaa cacattttat aatgtataaa tataataccc aatagactcc 49500  
 tgagagatat acaaaattaa tccacttgi gaaggcctta atattagctc tttctcttg 49560

ggaagaattt taaatccac aaaagccctt gatttatctt cttctacac aacagcaaca 49620  
 aacactctca taatttctaa gcaatgtaaa atatcacttt aatgctgaat acatggagac 49680  
 agagaaagag ctacttaga atggatactt ggacaccaa ggaagtactt aggggtccca 49740  
 cctccctgaa cagtggagca taatgcatta atgctgcctg cctaattcaa ggaaaacaga 49800  
  
 gctccctgaa actgacctgt actttaagac acatcccaca cttcaatttt acactgcccc 49860  
 ttccaaagcc tcgttcatat gcgcacgtca ctttctatct tgtatctgtg aagaagttaa 49920  
 tgaagtctta ttaacacaga tataatttagt tcacctttat tttaccttta aaaaacaca 49980  
 atctgtgatg gttcattcta aactgaaagt taaatgagtt tggatattat cattaataag 50040  
 tgtatctatt acatcaggcc aggggcagtg gctcacgcct ataatcccag cactttggga 50100  
 gaccaaggcg ggtggatcac ctaaggtcag gagttcgaga ccagcctggc caacatgatg 50160  
 aaacctcacc tctactaaaa atacaaaaat tagccgagtg tgggtggcaca cgcttgtaat 50220  
  
 cccaggtatt caagaggctg aggcaggaca atcgcttgaa cctgggagac agaagttgca 50280  
 gtgagccgag attatgccac tgcactccag cctgagtgac agagcaagac tccgtctcaa 50340  
 aaaaaaaaa aaagtgtatc tattacatca gaatgtctga aaaagggaat ataagcatta 50400  
 tataattatt aagagcaaaa gcttatcaaa tattataatt tttcgatctt tccttcttca 50460  
 tttcaccact gcaaaatctg gctttaaaac aatgttactt tcctttccta ttgccacaaa 50520  
 ccagctagtt tttcatatag aggaagtaag agaaaggtaa gcttagggca caaaaaata 50580  
 aaaaaaaccc ctacataaat ctaacttggg tttttaagtt aaagatcagt agcggagtga 50640  
  
 catcaaagag aaactcggac cctcaactat taagtaaaat atgcataaat gattgtactg 50700  
 acagaaacct gagtgcacaa ggctcagtg aagaatgggt gtgtgtatct catgtcattt 50760  
 accttatctt tctgtgagga acacacctaa aagaaaatta gcatttcact aagttattta 50820  
 gtttcagctc tggatcaggt aagttaacat ctgcactata ttttatggg tgaaaagcac 50880  
 catactaaat agaacatta ctaaagccac aattatcttg aattaacagt tatcattgat 50940  
 ggcacagaag agtaaggagt caaagatgat gaggccttaa gaaacaggag gaaagaaata 51000  
 aggaagaaaa ttaacatgac ttaactttca aaatatctt caaggatgcc acaatcttc 51060  
  
 attaaaatta atgtactggt agatttcctt acaccacaa tccagttaaa atacaagatc 51120  
 catcatatcc aaattttgtg acaatggtaa gtcttcttca atctgtgtgc aaattacgaa 51180  
 ataaggaaaa tgiacttctt tacctccatc atttggaaaa tgacaccttt taagtcaata 51240  
 atgcaatact tagagaaaat ggtgccacag caaaatatga cagcacaggc aatgcaaatt 51300  
 agtgctcaga tggagagaat cactattcat gtaccacaaa atgttgtaat tccaatattc 51360  
 tgcaacttgt attttgaata gcacttaaaa tctcagtcct ctaccgagaa tccaatttct 51420

ttcatctgtg attttttgtg ttacttactic attagtaa at gcctcagcac atgacaaaga 51480

aaaagagaca agtattttcca acaaagagga gattcaagta aagttaaccc ccactctcta 51540

cccacttttc ctttttgggt ctgtttcttc atttgaagcg atctgtgctg ctaagtccca 51600

ttaatgctaa tgcaggtagt tatgacctc cactagctgt gcccatgcct cgaacagccg 51660

ccactcttgc ctgctttact gaccacaga acccagctc gctggtgata aaaatgaaga 51720

gtgtcttgca atttcatccc ttaattgaga tcctagcata tggcaagaat ccaaggccct 51780

tgctcaggtt gtttatcttt caatactttc aagtcacttg ctggctagaa aagaaattgc 51840

actgtaattt aaagtgaag cagtcagctt gctgcttcta attttctc ctcttgttta 51900

aaaaaaaaat ctctctttct ccacttttaa caaataataa atgactataa ccatggatcc 51960

tctacagact tgcttgccac tgtgaatagt tattataaag tgatgccata aaacaggtca 52020

ctttttacag taggttgggt tcaggtactt tataactccg ttattttatt aacttttgggt 52080

tatctttctc tttttctaaa cttttagtct ctgcaaatct caaggaaaaa ctgcccataat 52140

tgtggagaaa ctggtggggg aagacagagt gaagcgctta attttaattc tgaaatcaaa 52200

tgaaatatac catatgccac tgttaccata atctgtcatg ccacccatgg ctctataat 52260

caaatgtcc cagaaaaggt agacaggagt agtggaggagg aaggtgaaga acaggagaga 52320

gagtggcatt gttatacaa caagaaccaa ctttatataa gaggattaca tcaatcagac 52380

ttattatgga attaatttgg acactcagac aactataaa aatatactac agcattctac 52440

agtaatgatc taatgcattt caacatatgt tagtataact acagcctttg gcccatgacc 52500

aatactacag tggtttgtgt gtaaacgagc ttcataagat atttattttt gacaaagctc 52560

tgtatgaatg atttaaaatt cattcaaaaa caaatgtact tggcttctct ttaacaggca 52620

acaaaaaact ccacaacgaa tgggcagcag aatttctctt ttgataacca gtcaggggaa 52680

aaacttgttt tgcagaggga tggacaacac atccttgtat agcaaacata atttcaaca 52740

aaaacaaggt tatatatggt tgtgatgtgg tattcaacca gagcacttct gattgacatg 52800

tatatgaatg ccgtgatgtg gaatgtaat agaaaatgtt tcatatgcaa gcgttttaac 52860

ttcacattat gggaaataat aaatactgaa taatgtaata cgaggatttt ttatcttggg 52920

gttctaata ctaaccactt gagctctgct tttgtggttt ataatgtcac cagaaccctc 52980

catggaatta tatatagaat aaatgtaggc aatgttgaat tacaaggcta tcaggctata 53040

atacataag taagtaccta atatagctc ataaattata ggcttttatg gtctagcatt 53100

ttacagcata atgtcacaaa ctgcagtgt acgatatatt gataaaggat atgatatcac 53160

attaggtttc aaaaaaatgt ccctggcact acattagggc caaattatit cacagaatca 53220  
 caggctcaga gctggaagga tccttggaga acgtcacact ccatgctcct ctacagtcac 53280  
 caccctaacg ctgacttccc ctcatcgctg ctccgcagcc ctgacagatg gccctcctgc 53340  
 ctgagactct ccagtcctg aaaataatag aagaaaatgc cagggaatg cctcaaatgt 53400  
 ctacacataa cacagacacc agcaccatta agtggcacat gtgaaggatg aatgccccatg 53460  
 atgtcattga aggcacacga caattctgtt taagcacaca cacactcagg cacttttaca 53520  
 aagaaaaaga ccctctcttt tggttttcat caggattggg aagggatgta aaaaattaaa 53580  
  
 aaaaaaaaa gagcaagatt tctttctaata gtctctttgt atctctctct tttctctgtt 53640  
 tcagatgcaa taatcattac ctgatgacag tctacacctt tactcaatca cagacacaca 53700  
 cacaagtcag acctagaact acatgtagta ccactggatt ctgaaggact ccaggcttct 53760  
 ttcaaagtga gaaacaaaga aggaaggac agtagagccc acatccagta gttgtgagat 53820  
 ttgggcaaa ctagaaggat aacatataaa tgttgatata acccttattt gtttctgac 53880  
 aattcttttc tctgtaaac aatttaaagc aaaagtaaat ggtattgtcc cattgagaag 53940  
 aacagggttt tccagcctt ctaggaatat atttgttta aatgtattca catcaaagat 54000  
  
 tgatcaagga taatataat taatataaac catagattcg atcacctaaa tacaagggt 54060  
 catgacaaag gcttctaata actgtctcac tctctctct acccaaatcc ctttccgctc 54120  
 atactatcaa ttcttgcctt aaattcattc taagcaaatc aatccttaca cctgtcttgc 54180  
 cctcattttc tacttccag ttgtgaaatt tctcttcat cctatcaaca aataatggac 54240  
 ttaggggtga agagtcaga gatataaaa ttagtgttcc acaaccattt aatttcctat 54300  
 gcacctacag ctttatccgt ctgcatggt atttgatctg cagaaacttt tcatagaaa 54360  
 accaggacta gaaataatg agcaaaagca gaagcaatct caaacacacg tgaggaaatt 54420  
  
 atgcttgatg taaacctact ttgatcctgt tattgtcatt caacacaaat actaatgag 54480  
 agaggaaatg tctctctcat tctgcacac agaaggcaag tgggagggtc ttgctttcta 54540  
 actaaagtac aactttggcc caaattaagt ttgctgacct aatcacaag tcaagaagtt 54600  
 tgttccatag aatgcatgtg ctggaaatgt agactgtgga aaacagtaaa agtttaagaa 54660  
 tgacttactc tacatagtaa caatcaatca cagctaacag tcattgaaca ctatgttcta 54720  
 aactcacact gtgtctgaca tgcataatct cttttactcc ttaagggaac cctaagagaa 54780  
 ggggactatt agtagctcca ttttacagat acagaagcac aaagagttag ttaagcaact 54840  
  
 tccccaaatc acgtgactat taaaagggtg agctagaaat tgcgctcagg caatgtgact 54900  
 tgccttccat gaatgcgatg aaacacaatc ttaccaaag actttaggag gtttctgact 54960  
 gtccagtga gtttagagta tcttaccagg caagtggcta gaataaagca tgcggtcaaa 55020

aataacggaa ggaatcacag gcggtacttc atcagcatTT actagaatcc tgctgGCCTa 55080  
aaactggcag aaaaaaaaa atcctctcat attctaggca aagctTTTtg cttttgttc 55140  
aaaataggat cctgtTTTtc agactcttga aaatactctt tgcacccttc ctgagaaaag 55200  
gattaatTTTt gttaggaagt tgccactcgt ttataattat aggaaaattc tgtttaagaa 55260  
  
tccaagggtt caaaaaaca actcctctgc tccatttctt aaactttcta cagtttgGaa 55320  
ggtaaacTTg agaacacaga gcacctatga atatgtgtac tggTatttct tccaaaacat 55380  
cccaaaactg ttttgggggg atgaggggat cagctgcctt tggagccagg taggaaggca 55440  
gaaaggagga gggccagaga ggagtaggga gaagcagggt gagaaacatg cacatcgGaa 55500  
ccactggaaa gccaggcggc ttgtgaccag tgcgtcgggc cactagacca gggagcaaag 55560  
tgcaggctag tccttcacac ccaagcctta ggggaggcag caccCGgtgT cagaataaca 55620  
tagttcagtg tttggaaaga ggaagtctgc agagcgGcac tccatccggc tggccaagta 55680  
  
tacaggtaat aaagtgtgag cttgcacatg gagggggcgg tgcatggtgg ggacaggGaa 55740  
atgaaaggca atgtggatgt gccaaaaaca atattccatc cccactgtga caggGcatca 55800  
gagggatctt tttgaaagga ctatgcagaa gcccaaaaaa attaatGtaa attatataca 55860  
aatgccaca cctaaaaaga aatattattt tagtaaaaaa tcctactgct ttttttccc 55920  
ccctttaggc ctttaccagg gacacctgca aataagaaaa acaaaacaaa aaaatccagc 55980  
aagaataaag cactttccag actgacaagg acagcaaaga acacagaaga tttctaagtG 56040  
aaaggcacca cgtggagtag agataaaaga gcttttaaaa ttttaggga gccagattca 56100  
  
agtgtttcag tgaatcctta aagtGcttaa gtacaaaatg ctttctcca atgcattaaa 56160  
cctacagaga atgactttaa ccacagcgtg cctgctttgt gcaggaagca gctggTacct 56220  
ctttctgtgt aatggatggg acaagcactc tatccaagga aagtacaacc aaaatctcac 56280  
aggagtgttg gcatgagcct ctaacacata tcaacaagca cctccactca ctatcttttt 56340  
tctcagcaaa gagcttcac caggcccttc actttgaaaa gttgcctcct tctgtctaag 56400  
gaagaatttc acctcagta cctggttttg cacatcatac attccactc ttgcctctcc 56460  
tactcatgag gattgctgtg ctctaagctt aacccttgaa tttgccagca cttagcaaga 56520  
  
gtcaaaatca gagcctaatt caggggctct tcctggtct ctggTccaac atacgctaatt 56580  
taaaagctga ggtcggtctc caattactgg accacaataa atatgtctat aaaacTTca 56640  
caggattttg ctgtatcagc aagaacattt gtttaaaaac accaactata cccctccaa 56700  
gtttatgtgt ctgcattaag tataattaat ttcatgtct tgatgtttca ccagaaagct 56760  
ttccagaaaa atccaagaat attattcaat agctgaacat aaacttaaat ggaaaataga 56820  
aaataatgtg ctgctggaaa tcgtaaattt gggtaaatct gaaaacatct gacccttttt 56880

aacttcaaaa gcaaaagatc tgaatacccc catcatcatt gacgggagtt taaaacctta 56940

ttataatttg ccaaattcca aaagagttgg tgttttaatc cctcaccact tttaaacgga 57000

atcagttgaa gaaaaaaaaat caatgtcttg agacagctct atgaatgtag ccacacctaa 57060

aaaacaagcc aatactttcc cccccccca aaaaaattca tgagcagcaa cagctggaac 57120

tgttttacac tagacggctg agttctgtga gaatgtctc cttgtctttg tctgcaaagc 57180

tgaagaagc tggactcaaa ggtagtggtc agtcccagga ggaccctgag taaacatgag 57240

cctgagcccc cagctccctc ctgataaggt caggtgacat ggtgtcaaaa gacagccaag 57300

gaaagatcta gaaaagtga cacacaagga ggatattttt ctttctcttt accagagata 57360

ataaagaaca gaaatggact tcaaaatttt ttattcactt aaaatacaac aatgacactc 57420

ccacccttgc cctcaagccc tatgtatgta tgataaacat ttacacacac acacatacac 57480

acactaaacg cactgtctta gctatccttt acttctgaa tgaatgcaca accgagtctg 57540

aagcttgtag atctactcca aattgtcaaa gcaacctgtc ttgatgaaat gtagcagcag 57600

caaaataaca atacgtcaca caaaaaatc agcaaagtca tctcatcaga aagcagccaa 57660

aaaataccca agtatttcca aaatctgagt tgagacgaga gcgctgaggg ccggaggaaa 57720

attaaaaaga gaggcagagt cataggcata aagaagtctt caataaagca gtgagagttc 57780

gaaaggaaag tagcaacacc acaagttatg aaaaggggag agtacaaagc atgacaggca 57840

gatgtaataa aagaaaagca ccataaaaaa agagaaagag atgaagaaat atttccaagt 57900

aactgagaca ggtacattgg gagtataaaa aaagaaacag ctaagcctgg aaggaaacaa 57960

gatgaaactg atgatgcacc taaaaatgaa aacaactttt tgcatgtaaa caaaagaggt 58020

ttctagttag agagactaca caaactca tgtgcgtgcg cgcgcgcaca cacacacaca 58080

cacacacaca gggaggcatc aggcatctga ctatttcaaa agccacatct aaaatttcat 58140

taaaaagagc ccagctgctt cttaccctg actttgtctt taaggactta gctaagctga 58200

aggagtggcc agaaaaggga aaaaaaaaaa aaacacttca acccatctct ctcaaattct 58260

tttatttcag caatgcatta agcaatctcc ctgcagagtt attctcttct tcctggtgtg 58320

gataaagctt cccttgggga gctctgtaat ttccagcttc tccgaattca ggtattagta 58380

aagaccgctt ggggacacgc aacaatataa ctctacattt tcaggcattc ggagagaacc 58440

ccctaagggt cccaagtca aatttctgaa atgtaggcat tgtaaaagga acctcggggg 58500

actccagcaa tagaaatctg ctgaattcaa agcatttctt aagccctggc aggagccttt 58560

gtccactg gaggttttt ataaaacatg tgttgctgac atgttgacag attgctcagt 58620

gaagtgttag gtgcatacac aggcctggcca tttaggggga catcagttta ccttcatct 58680  
ctacctgaag caccatgttt tatacattac ccgaggacag gcagaaaaca gacactttcc 58740  
aaciaagtat agtatcactt ggcaaaagac aaccaccccc tcacacgtac ctctatccac 58800  
cacctacaga actacagaca gattttgtag ttgcacttct ctctctctct ctctcacaca 58860  
cacacacaca cacacacaca cacacacgta cgcgcctgcg cgcgcacatg cacgcatggc 58920  
tatacagaat ctccccaat cacaaaaagg tcagaaaata aattaagtgt acagtgaag 58980  
gcccaggctt gaaattgcct ccatgtatca ggactgccac ccttttgcta cacaggccag 59040

agctctgagg gtataatgag caaaggaatt ttctaagac agctgactgt tgggaggtaa 59100  
tctgatcaaa ggccgatatt aaatccaact tctgctcata tcagggtatt agtgatgtac 59160  
gacttaataa ccagcagct ccaaaagtgc tgccgtggca acaggatgga aattgggata 59220  
ataatgtatt catggtgctg gcgacctggg gctgcagtgc gcgctctcag gggagggcac 59280  
ttcacctga gccagacgtg tctgggcaaa atcacttcac aaaggacagg agtggaatac 59340  
tgaagagctc tggcactgat gagagagtcg ataaggggaa gagtggaatg aagtgaaggg 59400  
aggaaggaa aaacattttc agcagaagag cttgagtggg gcttctctga aaaactgatg 59460

gggctcaaga agctctcccc gacaagtaca accaaaatgg ataattatta aatgaacata 59520  
aaactacatt ctctgcaaag agctggagga tgaacagcac cagcttgcac aaaatgacaa 59580  
gatttgaca tcagccatca tcagcttcca gccctaccta ccaccataca gaggagagcc 59640  
aatgtctgcc accaacaaaa caccattctt tctcaattga aacagatttc caatcttagc 59700  
tactatttta ttctaaaga aaaacaaatg ttgagaaaaa acaaaggtca tacaataatc 59760  
agtcacatct catagactat atatctctca gatattaaaa ataactctta ttttttcatt 59820  
tcttgaata gaagctgagt aacaactaaa caccatttgg gtaggaggaa agaaaaacgg 59880

gatttgaagg tctggaaagg ggaatcagaa atttaattaa acgaaaaggg gaggagggga 59940  
agacgcagag tctaggccaa ggcacctcag cggttaaaag cgtgcccacc tagtctaate 60000  
taacacaaga tctctggact ccctggactg aggaaatgaa agcacataca aggggtggttt 60060  
caattccaaa tatcttttgc aaattacatc atatgggact tataatttgc gaagacatct 60120  
ttagaatatc agtgaatact ccaaaagaaa attcatggac cagacatgga ctttggggac 60180  
aggagaagaa aatggcccat ttttcttctc tagcttaaaa taccttcttt gctataagga 60240  
aatgcttct ctgtaactaa tacagaatat cctcaaagaa caaagagacc aaacatacca 60300

agcaaaactg gtaaaaacgt ggcctcaaga aacactcctg gggggcctgg tcggcttctc 60360  
ttctgaggaa actgactcgg taatcattct gacatgcaac tgaggagaga gcagcaaatc 60420  
ctaatttctt attcttgcag cgcttaatgc caacaacgta catattgtac tcttaagcgc 60480

tcttcctgcc tttcctagta ttacagataa tttgctagtt tcagagtgtg cttattacag 60540  
 gactgtcaga ggagtttttg tttcaacaac acgttaactt tactgcactt ataaaaaaca 60600  
 ttatgtgtcc cctgtgattc tgtgtgttta agagcagcga aatgttattg atccccgtgt 60660  
 gacaaatcaa gagttaggta atgtctacaa aactcaattt tctgcaagac ataaaaaccc 60720  
  
 tctttatgaa acccctcctt aagaaattca ggagaaattc agaaaaaaaa aaaagagagt 60780  
 ataaaggta gcaactattc cttattaatg taatctaact ctattccaat gacaggcaca 60840  
 tgaccacaga ggccaattta aactaataat tttttcacta ctgtaaaaac aaatctgcag 60900  
 gaaatttaaa aaattacttt gatacaacta gtcacctccc tcagaaagag cattaaattg 60960  
 aagccagttt cctctcacta aggactgtgt gacttcagat tcgcagataa gtatccaact 61020  
 tcttgaccaa gcattaggat tctacttgct tgtatctgtc tacaatggac tttcacagaa 61080  
 ctcgtttgct ttagaaatgt cacaatgctg aaaacatctc attctgattc acatgaaatc 61140  
  
 tcttaattct tatgattttt tttcctctca gaaaagatat aatactgaaa atgccccccc 61200  
 aatagtttca gcaacaagag ttgtaaacct gatagggtgac agggaaagaa aagaaaaaac 61260  
 ctctactggg caacatcaat aaactgggcg tgatgtgcac aaaatccatt tgcattccata 61320  
 gaaatttcat aactctgcat acatatgttg atttttcccc caactgttca gggacagtaa 61380  
 gcactgatac tgcatttaat taacaagcaa atgtgatgcc ctccgatgtg aacaatactg 61440  
 agccaattgc ttaagtcttc acaagataa atgtattaca agcaccactg tactactgca 61500  
 gaatatgaca gtagtcattt tctcatctt cccagcaaa ctttagtctc tgacagggt 61560  
  
 agccttctgt ccacctttac cctcaactct ttcctttcgg gttttagctt ccatagggaa 61620  
 attcgctttc cagatccgtg ggtagctcac tctttctctt ttcctctttt ctctccctct 61680  
 ccttttctc tactgtattc atcattattc agctgcatta taacacttaa aaaaaaaaaa 61740  
 acccagcttt gaaaaaaaaa aaaaaaagaa atcatttgat tttcattgcc ctggagagaa 61800  
 ttaaataccc ccaaggaaaa attctggtac attctctgca cacatttaca tgcagccagt 61860  
 gaagtaaaaa tttccataat tgctcacttc agaacacgtt acccagttcc taggtacaat 61920  
 aactgtcagg agtcaatgag gaataaagaa ttttctgaa tccttgaca taacctgact 61980  
  
 agcattaata actccacagt tgtacataag ttaagaaatg gattactgcc agacatcagc 62040  
 ctgtctccaa acactttggt catgagcttt tcatgtgcc attaacaaaa taaatatgtt 62100  
 ttctaaaact taaggctatt gataataaaa gcattttttt taactttcct tctccttaga 62160  
 ataaaaggca atagccaaaa ctatagcttt ttttaacctt ggaaattaca gcaacaacat 62220  
 atggcttcca tttacttcca attttactcg tactgtgagc ttttttggtg aagttgtctt 62280  
 ctattgctaa atgacaaaat gaatgatgaa attcggttgc tatgctagaa aaacaaaaaa 62340

caaacatgg tggtaatcc ctaaggaaaa ctggacttcg gttatgaatc atccttacca 62400  
  
 gcaatcttgt aaatcttaaa taaaagtctt tatgtcctaa aaagtattgt gaataaacat 62460  
 tatcttcttt taaacccttg gcagaaagga ttctctctcc tcccagtc ccacacattc 62520  
 aaggtagag agcatgccac cagccctcag tgattatgcg aacagaactt tccttgtgca 62580  
 agaggcatca atgaggaagg cgagcacgaa gtcggctctg tttttattgc atgcttgagc 62640  
 ggcttctcat attgctgaaa ctacaatgaa gagctcggga agcgcatcat aaaaccagcc 62700  
 cattggctgt gatggatta gtaatttttc taaaaatga aaatgtatat actttgttat 62760  
 cagataaatc tttatgtgct tcttccatct ttcctaacc aacgcattcc ccacttacc 62820  
  
 ccaactctct tigtgtgcca agatttactt ggtctttatg atgacttcag atagatagtc 62880  
 attgccta ataggctgtga aagggtctga gtaaacgaaa cataaagtca aaattggggg 62940  
 gaaaattatt ttttaatttt aaaaatgcgg ctagctagac aatcaacttc cgcacacaat 63000  
 aaaagtgtag ctctgtgtgt tataaactat ttatgacgtg ttcaagaaag tttttacccc 63060  
 aggcagaaaa tatcctttta ataagccctt tttactaca acatgccatt attggtctct 63120  
 tctttattgt tgttttcata ttttcggcat aaatacagtg caaaaaaaag aaaaaagca 63180  
 atgctgcaca caactgaaat gttatacaat ttgctaaaat gatgaataaa attaaaactg 63240  
  
 cctgtcaaag caaatgaaa agcaattttg ttgcaattt tcatagcagc tatggaaaag 63300  
 cagccaaatt gatgaactgc atgcagtctg cggtttataa gcatccagag taactgaaga 63360  
 aggcgctttg attagtaata gtatcaagat gaactgcagc ttaaaattca gaaccttcta 63420  
 atccagctgt tggccttct ctgaaagaca aattttatac ttactcccc aaaattgac 63480  
 taagggttaa tatcagacta tctaggtgat tatgaacacc ttaaaaagct ggtgttttat 63540  
 tccaaattta aatttcacat atattccaa gcactaacac ctgtgaaata cgcattctgt 63600  
 gctcttattc ctgggccctt cgctgggagc ccagagtact gactgcaat gagtagacag 63660  
  
 ggagggtgctg ataccactgt ttgctaccaa attttaacta gagagcaatt tctacttcta 63720  
 ttgaagtaga agttcagtg ttgatgcaca gtaggcata ttcttttttt tttttttttt 63780  
 ttttgagacg gagtctcact ttgtcaccca gactggagta cagtgggtgt atcttggtc 63840  
 actgcaacct ccacctccg ggttcaagca attctcgtgc ctacgctcc tgagtagctg 63900  
 ggattacagg taccgcccac cacactggc taatttttgt atttttagta gagaccacc 63960  
 cagccacca aagtgtctggg atttcaggcg tgagccactg caccagctg atagtaagcc 64020  
 atattcttga atgaaaagat gaataaatga attaatggat ggatggatgg atgggtaat 64080

gaattcattt ccatcactgt actccatttt atgataccca aaatttgatt tagacgaaat 64140  
ataaagcttt gtgggtgcc tgaggaaagg ccagtaacgg aactactgtt acagaggact 64200  
agcattagtc acattaccaa aactattaat acacttgcca aatgactggg gctccagtgc 64260  
agaattctac caagatataa ttgaatgata agaaatggag gttctttctt tcacatgtgg 64320  
ccataataa tgcacgagtg aaattcttct cattgaaaat tgtccactgc tgacatcaat 64380  
ttctctattt taccctccgt ctaaagtaaa aacatacaaa aatgtaaaca ttaaagtgc 64440  
catttctaca ctcaacatga aaagatacca attaaatgca ataaaatgaa taaatgttcc 64500

atgtcagcat tttggcttag gaaagcctcc caaatcctca tgtggaatgt ttgaatgtgg 64560  
ccatcttatt tgacaatatc ccttctatt gtcactcata ggtaaaggta gtggaattaa 64620  
acacagctac ataagagtaa gtaatgaatt tgagcttcag atataggatt acaataacgt 64680  
atacttaatt cataggaagc ctaatttctt cctaagcagt tagttgaatt gtgaggtcga 64740  
tcttccacca ggagaaatac aggtcagctc tctgggtttt gcattcaaac acccaaagat 64800  
ccctgagtca ataaatgcc aagatcctgc agacaattct actctctgta gacgtctgcc 64860  
acccttctcg ccaagccctc ggcatactat atttgcaatt atttatacaa cataagcctc 64920

tacaagtgtt attcctattt ttcaattgag gaaactcgag aaaatagaat ttctgagttt 64980  
ccagaataca ataataca cctctcttag atacaactgt acttgaaaag ttgtcaggat 65040  
ttaagacatc ctcatccag tcatttggaa gttccaatca ttgcaccaag aaaaaaaaaa 65100  
atcatctttt taacttcttt tggtagagga aatatttttag tacctgacag tatctggctc 65160  
ataataggcg ctcaatgaat atttattgaa agaaaaaaaa gaggggaata aaaagaagaa 65220  
aaagtgctat ccaaggttat tgtcttaaac tgccacatat tattttttgc cctggaaaac 65280  
acagggaag tctttggttt gaataaagtc aaatgagcat gtctaccaac acttacacat 65340

gtcacctgcc agtttccac tttttgctgt atcccatatc aaactgtgat gctgactcag 65400  
atgtcggata ctttattctg gtgaatctca tagatttact gtgaaaaaa tgtctaattt 65460  
catttcatca ttatttgaga tttgggcctc tcagtcacca tctgtacat gtcactgcac 65520  
ttacatttca catgagttgc cttaatgtca gggcacaata atggcacata ttcacaaaaa 65580  
gggcatttcc aacaaattct tctcaacact ggtattttta aatcctcccc agagcttttt 65640  
tgtaacatca tgactaactg tgttttcttt tgtgtccctg acatgacaca aaagtagctt 65700  
gtgctcaagt acagggaagt ggatagttag gtggtaaata atggcgtgta tcattaagaa 65760

atacaagata tagtaggtgg gtatggatag tggaaagcaa aacgttatca gggaaacagc 65820  
cccattagac atgacctgt ggcttctgtt gttgcttctg ccaactaccag cagtgaatc 65880  
ttgaacaagc tacaacttta ctggactgca attaatcaa acatgaaagt gggagatgag 65940

gggattatatt actaaaggag tggctttcaa gctgttttta tttgttcttt aaacaaaact 66000  
 ttaaggggaa gtccaagata aataaaacca cccaacctga atccaaggta ggacctcag 66060  
 ggtccagtc ccagggccca tctccactct gctctcctca tactgtagga agccccagag 66120  
 atcccaaaag cacagtttga atccactgia tataatgatc tccaaggtca cttctgggtc 66180  
  
 cactgccc aa tggttttccc atatatattc tgcctttatt cctaagtcaa tatttttgtt 66240  
 ttctcagttg aaggtaaata aagaagaggc gataacagaa cataaaacaa ccaaaaagtt 66300  
 ctggataccc tgttgcttag tgatcatttt aatcaataat taaagaaaa tcatacatat 66360  
 gattccacac aattaaagaa aaccataag ctatcttcta tcacacagag attattagca 66420  
 aacactcctc tacctttcgc ccagatgagg gctccacaaa gggttgttgc tgcattaaca 66480  
 gattttcttg ctgacatg tacacataca cacacacaca cacacacaca cacacacaca 66540  
 caaatctctt aatttcttag aagtctctaa acagacatta ccaagaaatt tacactagag 66600  
  
 aatcaatcaa tcattgctcc aggagtacaa tatttaaaac tagcttttct ggattctacc 66660  
 tcaagtgat ctactattg cagctcttta gagatttaac aacaaaatta ttatttcaa 66720  
 actttaattg agcttcttaa gataggattt tatgatactc ttcacaacac ttggagattt 66780  
 tatgctctac tgtggaatcg ttggctgctt tgttagtggt catttttata ttttaggtat 66840  
 ttaaatagta ttgtatggct ttgtcttgaa aataaatcaa tttggcaatt tatttctagc 66900  
 aaatgggtgct tcacaattt ctgacataca atccaacctt caagcaaacc atcaaagcct 66960  
 ctaccagagg atattttatg actgtttcat aatttaaatt aaaaatccat ttttaagaga 67020  
  
 caatactctt tcaaaaaagt agtgccttat gactagcaaa ttaaagataa ttttttctt 67080  
 acttgcttgc aaataatttc tttaatccag agcatgagat gtgaactcta gttaatgaat 67140  
 attatctttg gcaagcagta acctacaatc ttaaaagggt catttttatc attggtattt 67200  
 tgaagtigca actttgatcc attacaatat aaaaaagaaa tgattttatt agcattctct 67260  
 ttcattactg gataatactc tgcagtgtcg gtactactgg gaaactatta aaggtttctc 67320  
 ttaaagagga attcacaat gatttttaaa tgataaaagc aataaaaatt tcttcatttc 67380  
 tctagataag acatgtatc taattttttt ttcctgctgt taattttctg ctgatccgct 67440  
  
 ggtcagtttg cttctaggta taattcaaga gactgcatca atcaataaat atgcataaag 67500  
 catgggaaaa taattatgct acaaataggt tgtcaaatgt gattctatag gcctaggatg 67560  
 tcttctcttg acictggaaa aacagggttt cgttttttaa ttactagaca ctagtagcaa 67620  
 actctgtttt tcaccatgtg caaattacag tcaaatgtaa cgaaaatgta catggcaaac 67680  
 ctgtctcttt tttgcataat tgccttacat cttaagaagt aggttttaggc tgccagggtc 67740  
 agtggctcat gcctgtaatc tcagcacttt gggaggctga gcggggcaga tcacaaggtc 67800

aggagatcga gaccatcctg gccaacatgg tgaactcca tctccactaa aaatacaaaa 67860

attagctggg tgtggtagcc catgcttgta atcccagcta ctagggaggc tgaggcagga 67920

gaatcgcttg aacccaggag gcggagacag cagttagcca agatcgtgcc actgcattcc 67980

agcctggcga cagagcaaga ttctgtctca aaaaaaaaaa aaaaaaaagga 68040

gcaggtttgg gcagaaatct ttctatactg ctatctgcga catcctttat ctctttcaca 68100

tagtttcttt taaaaaaaaat tgacgaaata tacctacata aaaatacaga aaagcaacaa 68160

cttgatataa ttataacaa cactcatata actactatac tagtatagaa atagaacact 68220

gtcagcacct aaaacgtcct caagtgtccc tctcatcac taccattcc ttctacccta 68280

aaggtaagca ctaacctgac ctttgtgata gtgattttcc attcttttat tgttatcaca 68340

cctatgtata caacctaga cagtataatt tagttttgcc tagttttgaa gtccatgtga 68400

atggttccat actgtatgta ttctttgtca tctgtttct tgggtcaatt cgacatttgc 68460

aggggttgtc ttcttgagga tagccatcat tcattcattt tctctgctaa taatatgcca 68520

ttatgttaga aagaatgctt tacgacctag tatttgctag cacaacagga tgactatagt 68580

caaaaataat ttaattgtac atttaaaaat aactaaaagg gtataactgg attgtctgta 68640

acacaaaaga taaatgctta aggtgacaga taccatttt acctgatgt gattattatg 68700

cattgcatgc ccgatcaaa atatctcatt taaccataa atatatacac ctactatgta 68760

cccaaaaaag taaaaaaaaa aaaagtaaat atttttaaaa tgataaataa aatacattaa 68820

aagaaaatat tccattatgt gaatatgcag ttattctgt gtaccagaca ttggtttgt 68880

tttcagtttt gactatcaca gacaatctg ctatgaatat acatgtacat gtacctgtct 68940

cccatacata ccgtttctc cagggtatgg agatatgaaa ttgctgagtc atagagtta 69000

catatcctta aacttagtgt ataagccaa accattttcc caaagtgggt ctatccattt 69060

aaactcccgc cagcagtgtc tattactcca catcgtggca aacttacaa ttgtcacact 69120

ttttgctaatt ttgacagata tgaagcccaa gagattttac ttcatctta gcccttgta 69180

ccttggttaa aagcactgca caatcacaga caacacagaa atagctgaag gtatgccctt 69240

ctattcactt ccttatccat cttttgttt caatggccct agtcaatttt agaccttgtt 69300

acttagagtc tattttattt aattcccttt tattctata aatttaciaa attctatgta 69360

gtctatcat ccctgatgaa aatatccac ttgataggag cactaggtac aagaaagtaa 69420

aattcctcaa aaagaagtta ttgtcatctg ccaccactct ctgcaaatat tttttattta 69480

gtaatactat agcacttgaa tcttctatc tagagatact ttgcacact ttcagcatca 69540

atttcatata tgcaagtagt atatatata tggcctaga cttgctatgg atttgggac 69600  
 tgagattgtt tcttcaaaga tactcagtca cacttattct aatagaaccc catcgctgac 69660  
 agtcttgaga ttttaacctg tggaaattgg aggggtgcata tggaacagga atgagaatca 69720  
 gagaattttc ttigaacaaa cactgttctt tagagagtgt tttggccttc tcaggtcaca 69780  
 caatggtgta cacatctaac tttctttctg ggagcctctg caaatacctt ctcttcctca 69840  
 aggtcaagtt caagtcttcc ttgacatgaa ggaggccttc ctggaaaatg gtgagctcca 69900  
 ctaagttctc atgtcttgac tatacatttt ggtgcttatt tatattctct aggatgtatc 69960  
  
 tctctatatt ttgctgtgct taatcataat cactagacaa tatgctccta agaaacagga 70020  
 aactttcctg tcttggttaa gactgtatct tcagtataag aaataaatag tgcctggtac 70080  
 atagctggta ctcaataaat atgtattgaa tgaatgaatg aaaaaagtct tatgtttttc 70140  
 tgtatttgtt aagtgtgtat gtgtgggtcac ccataaatt gtaaagcctt gtaagtagca 70200  
 accatttctt tatacatttt tcccatcac acacatacac acacacacat atatatagac 70260  
 acatatacat gtccctttat acacacacac acacacacat atatatatat actgaattaa 70320  
 aatgggccaat aaaacaagag ccacattctc taaggtaggt actctttcaa aacatatgta 70380  
  
 acacactaga tatacgtaaa gaaactcatg agaatgctaa acagaataag cacaataacc 70440  
 tggcatttac actttgtaat ccagttttgc taacagagat gttctagtaa gtatgtgcta 70500  
 atcagaaggt ctgtgacagc ttgcacaaaa tcaattcaca atattcaagt tacagcaaat 70560  
 ccatgaaaaa ttcataattaa atcctttctt atttgtgtat ttagtctcac gcagatatta 70620  
 aaataaatca ttgccagggt gctttgaaat tttttgacta taacagaatt taccacaaga 70680  
 aaatatagaa aatgaatgag aataaccacta aatgcagtat gacttaagaa actaacaata 70740  
 tcgtaatact atgaaagttc atattactgg cagagaaaat gaatgaatga tggctatcct 70800  
  
 caagaagaca aatacgtact ctgttatact atggtcacag aatagacaca aacctaggt 70860  
 cctttaggga aagtgcgaat agaaagaaat aaacagtttc tctaccagtt atcagataaa 70920  
 aactctgttt ttaaggcatt catatattta gtctttatct ctgctagaag actgagatga 70980  
 gtttcaaata ctccctttt tattataaca atcttcataa atccttagaa atcctagtag 71040  
 agaaatattt cctccattt cttagacttt ttgattgagt tattaataga ttagtacatt 71100  
 cactaattga gactcattta ctatttcac aaacatttac tggggactct ctatgtacca 71160  
 ggtcctgggc tacacgaac atattcaatt attcacctgc attagatgaa aaggtgccga 71220  
  
 tgttggttat atagattctt ttcatatttc tgaataattg cttctcttaa ttactgttga 71280  
 gttactattg tcagagagca cagactagtc ttgagtttca tttaaatcag agagaaagaa 71340  
 atgtatataa ccacccaaag aaatacaaaa tttatagaag tcattgaact atactttcaa 71400

tttaatctgc cagttcttct aaatgatgtc ttagtcaaag gtctctgccca attaatgaac 71460  
 cttggaccaa atcatacaat cagaatatct ctcatagata tactacctgt atttcggcat 71520  
 gtggactggg tcagagtaaa tttgaggtta gacttttaggc tccttagggc atctctctct 71580  
 ctctagctgc tattgccaaa gcaaatTTaa gtctcaaata aagtgatgca attacactat 71640  
  
 acatccttcc ttcttctgc ctatcacaag agaaagtga gcagaccacc actctatccc 71700  
 taggactttt gttcgccctt aagaatgtat tcaatatcca gtttaccac atactttata 71760  
 ttttaaaat ggaacagcgg gtcacaaag tggcacacta tatgatttcc ttgatcatac 71820  
 accaatctag ggattacatt ggccctatgt actttcagca acaataatca tgatgaaagg 71880  
 ctagtattag aattagtagt ctttaaaaaa aatcattgga gaaggaaata ccatcttata 71940  
 ctgtgaaaat tggaagcaat tcacaggtag taactgtaac taacacacct atagcttcac 72000  
 agagtgaat aaatcattct acagtttcac ttgatcaagc aggatcacac tcctctttta 72060  
  
 aagagtgacc atgccccaaa acaatgcagc gttggctcct tgccaaacag ccagaccaca 72120  
 aacatggata caccttggac aacggacatc ctgggcgcag tagcagcaaa attctagatc 72180  
 ctaccacttc ccacgtggaa atccagcaaa gaaaaacaat ctggagatca catgatccag 72240  
 gtttgcac cctctgcatct gtcccatgt ataaacatct tgatgcagaa ggaaactgac 72300  
 tcacccctat caggaaaagt cagctttcct ttgcttaaca tataccaggg ctggggccac 72360  
 atgaggtctg ggtaggaac catacacaga atactaacat gtaactttac aaaacaaaag 72420  
 ctaaactgct tccaacatgt tcgtgctaca aagtccaatg aaggagggca ggagagaaag 72480  
  
 acagtgagtg atgtaaatgc gaacaagaca actatctaag acaaaaattc tccacagact 72540  
 aagaagataa gtiaggaaaa gtaactgtga agaattctga atacaaacag aattagaaaa 72600  
 ttcaagatta tggtaatat gcagtactct cattaggaga caaatacctg aaatacaact 72660  
 caattactgt gctgtatata aaaaaccct aacaggtttt aaaatatgtt ggggaacaac 72720  
 actgtaaggc ctttcataaa gtgattgccc aatactggc agggtagagaa accaccacag 72780  
 ttgactaatg cttcttttat aaataaagat tcctgatgac atctgagagt agaattagga 72840  
 cattaaagac ataccactct ataaacgcga cccatgatac aagggaacaa aagactacag 72900  
  
 ttttaagaaat tacattglat aagtccttgc ttctatttc tcacttaaaa gcataagatc 72960  
 aattaaactt acatggtaga cttggaagaa atgataataa gagagactct gatttcggtg 73020  
 gcagattatg ttcccaagg tgaccacaac gataactgcc atcccacgtg ctctctgca 73080  
 gigtgacctt cctattccac catcaagaag tggagtttat ttccatcct ctcaaatctg 73140  
 agctggattg ggaacttact ttaaccaaca gagaacacag aagtatcgt gttatttcta 73200  
 agcttgggcc tcaagagact gcaacttaga cctgaagta ctcttcttg gaacctagac 73260

ccatgctgtg aaagccagac gagacatgtg gaaaggactg gttagaaaag cgacaaccac 73320

agcccccagt gacagtacag tctgagctcc caagtgcagc cagcaccagc catgtgagta 73380

agaccactgt ggacctccca atcaacctgg tgaagagcag atccaccaat caatccaaag 73440

aatcttgaaa agcaataaaa gtaataaatt cttattgttt ttagctact aactttcata 73500

acctagcaat aaataactgt aacaatttct atagtacttt attgtagcaa tatgataggt 73560

agacatatac aactcgtatg acaatataat agaatgggt atttagaaaa tacatgtttt 73620

gatctaatag tgtataaaca agagaacagt cttatgttgg catctctttc catctcttat 73680

tattaaaagc tcaatatfff ggatgtatta gaaagatcat agagtgtcat caaagcaaac 73740

ttaaataaaa aagtcactgc aaactttgca cgttataata ttaggttggg gcaaaagtaa 73800

ttgtgatfff tgccatcact cttaattgtg aaaaccgcaa ttacttttgc accaacctaa 73860

taggaacagt aaagtctctc aaaaacattt acaaatattt aactttaatt tcagtaagga 73920

tagaaaaaag tcacatgctt atattgaaaa tcttttctgc tcttccctcc ttctctttga 73980

ttcttcagtc aaatactttc ccacctcaa agatgtatac atattaataa ttgcaaaca 74040

tcaaacaatg gtgagaaaca tttatgtttc tcccgagcat tgcaagtaca aagatggatc 74100

atcattgcct atgacttata ttttaattct ctaacaatgc aacagctata agagaaagac 74160

tgtctataaa cttgtttttt attttgaaag catccataac tttccaatt agcaaatatg 74220

agtcctgag agctggaact tactttttct tccatcatac ctataccag ttttacgggtg 74280

tttctggaat atacactggg gatacattag agatgtattt aaatctggaa aggggtctca 74340

cacaggagta gagaaatcta aaaatatcca gtagagcaag aaaactgaca aggactcgga 74400

ccatgcagat aatatctggt ataacaacta aagacaggaa gcttctgaga atgagcctcc 74460

tgccctctgt acccttccac tcaaaaggca gagaagtgcc tgcaattgca gagacttgat 74520

cacagtgcct gcctatatca aaacatctca tgtgtccac aaatatacac acctattaca 74580

tactcacaaa aactaaagtt ttttaaaaa gagacctggc agcagctaac cattttacct 74640

ctttgaacaa cactccctac acagagttga ctccaaaaa taccaacaat tgttctgaga 74700

gcctcaaagc ctgctttcat gccaaaatgg tgacctgatg ctgtcctcat gacctgtcca 74760

tcagaggaaa atgatgcagc tctcacattg ctggcagaag cccctaatag gtgaaagtct 74820

tccttcttag aaattaccag gctttttctc ttagcttggt cccaaagaat ggggtagcag 74880

ctagggactg gagaagtact caaaaagatg gagtgggggg taaggagggg atgtttgcag 74940

agtcattta gttacagata aatatctggt gcaacctctg gaacacacaa gtctatacct 75000

gaagacaagg gtaccaaccc cctaataagc aattatttcc atccagaata tgcttttggg 75060  
 taacagcttg tgggtgtgatt cattattgat ttcaccttga tgaacaatt gtagcaaacc 75120  
 aacctggac ttggagtcag aagttcaatg tctaaatcat gacagagcca gtaaatcact 75180  
 aagtgacaat gagtctcaat ttccctttta tagaaaggaa cttgaaggct ctccccattc 75240  
 ttcagcattc cattccaacc ttctgttctt cagaatccaa ttgaaaagct cttacttcta 75300  
 taagcttttt catttgcattg gattatctag tatcgTTTTT tccaataacc catttgttta 75360  
 tagatgctgg gaaaggctgt ggagaaagag gtgagagaaa gaggtgtgtg gcagcactct 75420

gaggcatacg acatgcacac cagtaaagaa gcaggcaggt cacacaacag cccttaccta 75480  
 ggacacccac ctccgtgggt ccatggctca agctagcagt ggtaggctag cacctaggtg 75540  
 acacctcaca tcccaaaagc aggtgtgcga caagccttgc actaattggc ctccatttct 75600  
 gaggatacat atagaatgga gcatattttg tgatactttc ctggaaagtg gagttccac 75660  
 ggTTaaataa gacagtgttg aggtcagttg ggtacacaga agtttcatgt gctatgtcat 75720  
 ggttgggcaa acattccctg gggcatata tccataagat gcctgatttg attatattaa 75780  
 acacttctat aataaagatg ttcccttatt ttctctcta ggagtaatga cacattcaaa 75840

acaaagaatg aaggtggata aagcacagag tcctagactg cagtctgcc ctggattcaa 75900  
 aacagtttct ccatgggaaa atttgatgtg ctatttgcta aataatttaa gaatgtaagt 75960  
 tatcaaccag agaaaaaggt ctgcccatat tgggaattta aaagctctta tgttttagca 76020  
 agtactctaa ataatacatg acattagacg aaaaaaatcg tgagcaatac aaaatgttac 76080  
 acaataatgt aaaaataaaa tattcaaata tactaattgt gtgagacact atcagttgca 76140  
 cacctcaaaa tatgggactt atgggaaggt tgtttaaagg gaatcaactc aggcagcagg 76200  
 gcctgttagc cttctacct tctctctttt cctaacctcc aacaggacat ggtgacatga 76260

actctggcac ccaactgtagc ctatttgaca atggcagtca tgtgctagga agcagagcac 76320  
 caagaaaaaa gtcttgggtc ctaaaggacc actgagttcc caaaccagct ctggactgct 76380  
 tatctctaga attctgtgaa aaaaaaaga aactctttct ttctttctg tgtgtgtgtg 76440  
 tgtgtgtgtg tgtgtgtgtg tgtgtgagag agagacggag tctcgctctg tcaccaaggc 76500  
 tggagcacag tggcacaatc ttggctcact gcaacctccg cttctgggt tcacgccatt 76560  
 ctctgcctc agcctcccta gtagctggga ctacaggtgc ccgccacat gcccgctaa 76620  
 ttttttagt tttagtagag acggggtttc actatgttgg ccaggctggt ctgaactcc 76680

tgatctcatg atctgccctg ctcgccctcc caaagtgtg ggattacaag catgagccac 76740  
 cagcctggc ctgaacaaa cttctttcta attcaagctg ttgtattttt ggggtttcct 76800  
 attatatata attatttagc ttgtgaattc atccaaatgc tactttcaac ctttgacatc 76860

taagctcata gatcaaatct actttttggg gcccaaactc acacttggta taaatggatt 76920  
 tttaactgta caggaggaa cagatatctg agatagtcaa ttattcaaca caaagatatt 76980  
 tggttaacta aaaaaataat ctgagagtaa actcaatttg tttttgcat gtcaatacag 77040  
 aaataggttg ttcaggaaat tcactgaagt ttttgatttc tcaatcttct catittataa 77100  
  
 tgaagataat attgacctac ctcatgagca ccgacagagg attaactaat taacaattgt 77160  
 caatcaccat gaaaatacaa attttaagaa gcaataagac ttttcattaa actattaatg 77220  
 gctgtgctag taatttcttc cttcactgaa gaaaatttac atttgataag caccaaaggt 77280  
 tcatagcata gtaagaataa aacttaaatg aaaattacac ctgaagacac ttcattgacat 77340  
 tttaacaaaa gcattaaggc aaaagatgct actatcaaat acagtctctt tgagacaggc 77400  
 tcaacatatt tctgttgaat taagagactg gatgtggtag tccatacatt cttgtattct 77460  
 gcataattcta aaactgtcac aacctaactc acttcccaac agttgttcat aaactctacc 77520  
  
 ctacctgatt ctcttcaagc tgctcatcag acaacctaatt gtgaacaga tttttattat 77580  
 ttccaggtta gtaactgact ttacattcgg ttttttgtgt gtgtgcaaac ctacagcact 77640  
 ttttacacac acagtgcacc cagagaactc ttcaatattc tgagtgtgca aatgttgtga 77700  
 cagaattcta ctgcttatga aattattttc tgaggcgata ccagaatttg acctcgggggt 77760  
 ctttttacc atctgcaatt ttctacctg aacgcctgcc tatcccttcc atcccacacc 77820  
 ttccctttaa tttcccaatg attactctgg gcagagtcca cttcagcct cttccacaag 77880  
 acctctcta tcagctcctg tgaacatttg ccactccctt ctttgaagag tcacagaatt 77940  
  
 taccatccat attagccatt ctggtatata atgatafact gccataggca acacacattt 78000  
 tcaggtaac ctgtcattgt caaatactgt acatgtgttt acgcttgct taagtgcaca 78060  
 gtaagattgt aggcaatagg tttcatgact cacatttctt ttgtgccctc ataatgetca 78120  
 gcaaaagatg tgaatatagc aaaacacact aacacatata ctataagtat gttctttaat 78180  
 atgtttgatg tgctgcaaaa acaggcagtt atctttatgg tcatttgtcg cacaaatgca 78240  
 cttctttagg cactattttc ctagaagca aaagtacaaa tctcccatat ttaaatgaac 78300  
 tcacttagac cagatgattt ccaaactact gatcacctga acatctatta tagctagacc 78360  
  
 aattccatga tgcttacgt tgcctactaa aaatgaggta tcaatatttt tcattgtact 78420  
 aaactcagat taatatattt tctaattttt gagctaattt ataaaacgag aaatctttta 78480  
 aaaccattct aaaagttgca tagataattc tgtgttacta aataaataag ctacaaggat 78540  
 aaaatgtttt agtgataacc attcatgact atcttcttat atatgccaat gtgcaggcta 78600  
 aaaactgatg acagggcctt aatttttaat attttgtata gaacttagaa taaaacgtta 78660  
 attttattca ttgggtttgg gaaactgggt ctctcttctt tattcctaaa acataacatt 78720

ctttatttaa agaagttag acatcaagac cttcctaaaa atgtaatgaa tgcaattaaa 78780

ctaattttca tttcctccat ttggccagtt acccttagca acaataacac attaatcttt 78840

tttgaatfff agaagggaag aattttaaga tggaatggca aataataact cataactaatt 78900

ctttcaaaat atctcaggat tctggaagat attcaaatct ggaatctgac tcatgtgagt 78960

tactcttaca ggaacacta ctttctttaa taataccaac aatactaaca ctaataatag 79020

ataatgttta tcacatccct tcaactgtgtg ccacacacct tgccatgatg atacatctac 79080

cagctcattt aattgccaca accacaaaag gcaggcaatg ttatcacctt tacaggtaaa 79140

tgttcaatta aacatttaag taatctgtct aaggacatac aaccagcttt gggagaactg 79200

agatttgcaa ttiagtgcgc catttgccag aaccacccc tctatccatt acactgacat 79260

ttctaccagt ccattaacc acacaacact ttttactcat ttgaacattt tgaagttttg 79320

ttaattcatt tctccttag aagattggta agaattaatt actactgaat gattacattg 79380

atftttttta agctaagga atftttaatt aaaataatac gaaggagat gatgggaaac 79440

tgcaagtctg aaaatcagat ataaaagcag cctgttaaga ttcacgagat ggccacagat 79500

tctaagcaat gaacagtaaa attaaatttg tctggtaatt tcttttttgg gggggaaagg 79560

tgggcataac cagtaattcc ttagtaataa gatttcccat ggagatggac cttggtatat 79620

tttttcaaaa aggaaagaaa accctacatg ctctaatect gtgagactaa agcacccttc 79680

ttagcttcca ttigtggat ttcaataagg cattaaacct tgtatgtcaa aatgcctcat 79740

attgaaagac aagaacacta gccagcctta atgctttaaa tgtctgcct ttacagataa 79800

gatttgtagg gtgtcatttc cacttgctgt aacaatccca gctacaagag gccttataag 79860

tagtaatcaa tctgagaaga agagatcctt ctttactaaa aagaaaaaga aagaaaaaaa 79920

gctgaatcag aaacaatgtt acaaaaattg gagtaaggct ggagagaaac ttagacaact 79980

cataaaggga aaactaaacc acaattcaag aaaaaaaaaa aaagtatgta agtggcctga 80040

tgtctacctt tgggttctgg cctaagtaca caactggtgc tttaacaat tctaccaga 80100

aaagtatctc agatttaaca caagcaaaaa gggaaccac cattctaact tccaaacctg 80160

cttctttatt tttcctagta tctagtgatg gccaccaat acagctgagg aattcagaga 80220

cacaactaat caattactac atctgaatga ctttacctcc tagatattta ttgaatttgg 80280

ccacctctc taccctatga ccaactgcact ggttttgatc ctgtcttctc ttactaatac 80340

aattgcaaga gcttccatc tcaaatcctt tccccacaat gttccttctc caatctaact 80400

ctgcaaaata gaatctaac tgaatatgtg ttactcccc tgcataaaa ctttgatggt 80460

taccactgc ctaaacagct aattattgaa cattctttaa cctctaaact caaaactcaa 80520  
atggaatctg acttgaatat tcatcctggg ctgcgctggt tgcagggaat ggagaatccc 80580  
tgctaactca actccctacc tccacccta gctgggtgat atctgtgaag ttcctcagag 80640  
cagtctgaaa aatgcaggcc agagaatcaa atttaagctc ttggcattgc ctccccattt 80700  
ccagaccctg ctttctttt ctggttcatt gcagtaactg gctccaatat ggcttccaat 80760  
ggtccttacc tcttggtatt cagcctttg tataattctt tctcatacac tagagttgat 80820  
ctgtgtaacc agtagaatat ggcagaagta atgttatgcc acttcagga tgaagtcata 80880

aaagacactg cagctcccat attgatgtat ctgtctctct ctgctgtctg tctgtctgtc 80940  
tctctcagag tacttattct gagaaaagcc aattaccatg tcaagagcta cttacagaa 81000  
aggcccttgc agtgaagcct cctgataggt cttcaggcag aagccacaca attaagctaa 81060  
gaagtggata ccccaggcca ggcacagtgg ctcatgcctg taacccacgc actttgggag 81120  
gccaaggtgg gcggtacc tgaggtcaag agttcaagac cagcctggcc aacatggcaa 81180  
aaccctatct ctactaaaa tataaaatt agctgggcgt gatggtgcat gcctataatc 81240  
ccagctactc aggaagctga gacaggagaa tcacttgaac ccggcaggcg gaggttgcaa 81300

tgagctgaga tcacgccatt gcactccagc ctgggcaaga ctgcatctca aaaaaaaaaa 81360  
aaaaaaaaa aaaaagcgtg gataccccag ccccatccag gccaccaggt aactgtagcc 81420  
ctgattgaca cttgatggc aacctcatta gaaactctgg attagatct cggggaag 81480  
ctgctgcaa actcctgacc tatagaaact ttgagaaaat acatggctgt tgtttttata 81540  
caaaaacttt tggaataatt attatgcaac aatgaataac taatacatc ttattctctc 81600  
attaattctc catcttacac attttctaca gcttaaaatt gccagcaga ttctatgctg 81660  
cttcatact ctttctatt ctttctctc tgcgacctg aagcacctct tcccccttct 81720

cggcctggct aactcttct catcacaaa gacatcatgt gctccaggaa accaccccaa 81780  
tgtgccaagt tggccttaat gacatcccc cccccacc cgccacagcc cctccaaaat 81840  
tattttttt ctgagaatat gctggaacct ctattccagt gatttattgg tcaaagagta 81900  
ggatcttagt agatgtttat tgaactgaat tgcgatgaa tgcatagtgg tattgggaaa 81960  
acacactact gggaggtgct attcatttca ttacttgtgg atggtcttct tagttagca 82020  
agaaatggtg ctttaaactt cacattttat taggccaac tgcagtatct aatcaatata 82080  
ataatattta tattattaag tacttgtcag ttgtagtctg gtgttcataa gaagaaagct 82140

atcactatat agctgtcagg caccaactta agctccatct gtgagtgacc attagcaaaa 82200  
cttaaagcaa agcatggttc ttgtctctt tgcaggcac tgggactaat gaattgcaa 82260  
gggcaggcag actgcttga gaaggaagt agcggtaatg gaaggaggca gaaattaact 82320

gggggaaggg gatgctgtgt tcatctaatic tgcttcataa ccatcgcttc agtccaagtg 82380  
 acaaaatagt atcaataacg ccaagagaag ctccgcttag gtttctgcag gccacagaag 82440  
 gtgatggtaa gaaatgattg aggttagaag atggtattct ttctcccaac agagagacac 82500  
 ttgtgtggaa aaacaaaaga aatgaacaaa tcaatggact aaggcttgta cccaaaaact 82560  
  
 gtggccttgg aaaaggaaga aaagcaaaaa gagaggggca gaaaagtgtg gaaaactatt 82620  
 cagaacaaga ggaacaaagg agcaactcaa atatgagctc tcacataaaa ctgtaaatct 82680  
 ttccctttaa atgcaggata atatatgtaa tattgaatat aaatattaaa ccagaccata 82740  
 cagccacaag acatggcttt ttaataacca gcataaaaca ctggtgaaaa gcaaatattt 82800  
 tgcataaaaa ataaaattag gtataagaaa tagtaagtat ataataagatt tgacagattt 82860  
 ctttttaaaa agattataaa agcattctca agagtctgtc aacctgataa ttttaattatg 82920  
 agggggaaca gttttataaa acagaagaag ttaagtttaa aggcaatctg agtaataaaa 82980  
  
 atatacactt taataattc ataaattaaa tggaaaaatg tttgttggc acaacaaaa 83040  
 aaatatatct tagtgcttga atgtataata gtgctttttc taaaacaata tttcttttaa 83100  
 atttttttaa caatgacaat cttttctata aaagtttatt ttgcaagaat gatagagata 83160  
 ggtaagtgtg tggtgctct tacttttatt ttctgctttt ataaccagtt actagttcac 83220  
 aagagatctg aatatctacc tcctattcta gtatctccca cagcagaaaa ccaacatgtc 83280  
 tgaggctacg aaaaaggga caactccaag aaagccacat aagatggatg agtcttcatt 83340  
 acatagataa actgacatta aaatcagcat ttctcaagac taattggaat ttttacttga 83400  
  
 aaaatagttc agtgtacatg cctactatac acataactaat attaattatg catttaaagg 83460  
 ttgaagttaa ggaagctcat gaccccaaac atccttgtct acatttttaa ttagtcacca 83520  
 gggggagcta attctgctct ataagtaggt agagtctaag agtcagattt aaaacaaaaa 83580  
 acagaaaaca aaaaaaaaa gagggaggga aaagattaaa ttgatgtggt attaaatata 83640  
 tttcaaagat gatatagtgt ccataaggca tatatattat acatgcaaag aaaacaaaag 83700  
 agaataggta tatattcttt ctcatthaagt ttgaaaaaaa tagtgaaagc catcaattaa 83760  
 tagaatattg ttgtgtttaa tagaggacat atatacgccc aatcagttat gattatcttt 83820  
  
 ggtcctattg ggttcttact cacccttcag attttgaaca ttgcccatt tgttgcatg 83880  
 accctgttat tttcttggtt tgaagcacta tgattctaca ttctaacagc taatcttttg 83940  
 ctcaaaaata acccatataa ttaaattata attatattga aacgaatgtt tccttacctt 84000  
 ttgtctcaa atattttctt ctgttccaaa tatatttttt agcactttta atgtgtgttc 84060  
 aaagagtctt gcccaataac ctacttaaat tcattctaca attcaccag gagacacaat 84120  
 ccctttaaac ttigagaagc tccagttgga acaagatgg ggaaagggtt cagagtttgt 84180

ggaataatca cctctaactg atcaatttcc cctgaaggta aaaccgaaag aaaggaggag 84240

tgaagagttc cagtcgaatt ccttgaagtt taaaggaact aagccctgag gcacagtgtg 84300

gaatgattcc tgccttcccc tcccaagacc tattaagagg tcatagatct ctgtgacatt 84360

gctaccattc cctaaagaca agatccccaac acacagactt agcacaaga gaagggtgtg 84420

gaaatagtct acttttaaca gcttttttag taaccactc cttataaaag gaaacagata 84480

aaggtcacga gcatcgtaag tagagaacat gaaaaacaac atgagtcaag caaaaatgta 84540

aaaaaaaaa aaaaaaatc aacctcttaa gttttatcat gttgaatttc acatttgaaa 84600

acatgttaaa ggtagcagag cccttatgtg cacacaactg tatccaaata gctaaacatt 84660

ggtgcttaca agatagacca aatgactgca gagggcctaa gaaatagtgg gtctctttta 84720

attcatcttc cccacaaaag agacccctt gtctccacat cccaataga gcccttcatt 84780

tataattttt atacttctcc acacggacaa actgacagct ttgattacca tcaatgacca 84840

tcaaggacat gggagaaatt cttgaagata ttctccatg gcttgtgttc ttgacatttt 84900

atttacaatt ttggcgaat gaatcctgaa accacagtta gatcattata tattcattat 84960

tcattacaca actaaggcaa aacaattttac agacaaataa tgctaatttt cttcttgaat 85020

tctattcatt tcaaaagact taatttttaa aaactcaaat tagtcaagaa acaggtgatt 85080

tatgaataca gttaaaacta atataagata ttctccactt aggttttact tgtaaaaatt 85140

aaagtgaata gactcattta ttttctattt ctaggagatt acatccttca agaacttttc 85200

attcataatc agtagctttc ttgtgaatca ccagttattc aagcaggcta aaagtaaaaa 85260

tgctaataa aatatggaca tcaaaattac agagaaatgt ttcttatatt accctttcaa 85320

gatccaaact ttttaatttt aataagttaa ttaatgtaat agatcatcac ttatactggg 85380

aaaacatatt catcagtaca gacagtcctt tcataaatcc caattacaat acccacaagc 85440

attcaaagag ctttgagaaa ataacagatc taaaaataat tattttatat ccatgttttg 85500

atagcgaatt ttacaaatat atcaagaaga gaatggcaga ccaggtacta atattcaaaa 85560

acttctgctg cagcaaaatc aatgtggaaa taacaaagct tgtatactag gtaatgattg 85620

aactgacctt acctccaaaa ccggaagagg aagcactctc agcctatggt tcagaagttg 85680

gaaccaggcc gggcgcggtg gctcacgcct gtaatcccag cactttggga ggccgaggcg 85740

ggtggatcat gaggtcagga gatcgagacc atcctggcta acaagggtgaa acccgtctc 85800

tactaaaaat acaaaaatta gccgggcgcg gtggcgggcg cctgtagtcc cagctactcg 85860

ggaggctgag gcaggagaat ggcgtgaacc cggaagcgg agcttgcagt gagccgagat 85920

tgcgccactg cactccgcag tccgacctgg gcgacagagc gagactccgt ctcaaaaaaa 85980  
 aaaaaaaaaa aaaaaagaa gttggaacca actatagatg atcactttgt ctttggtaac 86040  
 tgcattggaag aacttggtgg gagccctgac agttgaacaa agtgacacac tcagccccac 86100  
 cactttctct aaaactgaga ggagcaaaga tttggtgagc cgtttttcac ctcatgaaat 86160  
 aagtgatagt caagaacagt ggtctctgaa atacagggtta cattatcgtg caggagagag 86220  
 gatactctga atagtcagaa accaatcaga acggacacca atcagaaata gccatccagg 86280  
 tactaaccag accttcctga gagcaaggag ataaacagta ctccagtcag ctgggtgggc 86340  
  
 tggtctctcc agcccccttt atcccatctc atactaatgc agtctacagt gtccagcaaa 86400  
 ctggacttac ggatcagaat atttaatttt aactaatcta attcatgcaa aatcctcaga 86460  
 ttttgacaac tgatttttaa aagttttctg caaaaaaaaa aactgcagga tactgatagt 86520  
 caagcacaag taatcaacaa gaaaacagca aatctggccc ttccacacca agtaaaagct 86580  
 ccttgtcacc taccatatga aagggaagg ggagggggag aaaccgttc atcagagctg 86640  
 actgaaagtt ggcaaaacaa aagcacagaa gtgagattat caggaaagtt ctttgaaata 86700  
 tgaacttata cccaccactg ataacaacct catgggaaag aataacatac attctctctg 86760  
  
 gaggttttgt gaagtatttt ttccagtttt aacagccatt aaaatgaatt accaaaataa 86820  
 cataaaatta ttttaaacct ctgtttattt catctttacc taatttttta atttctgttt 86880  
 ttgtgaatgt tgtataatgc atgtatgtat gtaatgtatt agtaaataca tattatgaca 86940  
 gtgcatttag aaatcactag tctaaaagta aaatgcatat agagatgggc tggagaatgg 87000  
 aatctatgga ggccatgaaa ctgcattttg ggggcttagg gagatttgga gaatgaagta 87060  
 ggctaaaaaa agacatactt taggtacaaa atgaggaact gatcaaaatg gaaggaaaca 87120  
 ggaaaataaa acttatagtg ccttaagcct aattaatata gaaacataaa ttaataacac 87180  
  
 ttaaatgatt aataacaaag tatgaataat gaattaatat agaaattaat atagaaatat 87240  
 gcaaaataaa cttataatgc cttaagccta attaatatga actaaaagt tgaaatatca 87300  
 catttatctc atgtaattta ttccaactaa tggtttgata aggaaaacag caaaaaaaaa 87360  
 ggttctaagc agtttcaatc tgcttttatg aaaacgatgc ttcatctctg aaactactca 87420  
 tctcccttat tccactgcc aacagaacta gctgttagag cactttattg ttcatggaa 87480  
 tgaaccagtc ttaatttgc cacaaccata tgacacatgt atactcactt tcacatttaa 87540  
 aaaaattctt tggccaataa ataaggatat tccagatgac taaaagtttt cagcttaca 87600  
  
 aaattgtatg aagcttcag gaagtttcat aagatttaa acaaaattaa atggacatac 87660  
 tactttacac tgacgaacaa catccactca tcaattcagt tcattttcct aaaaaatgtg 87720  
 aacaggaaga atatttgtaa agaagctaca accctgggta gggctttata tatctggtct 87780

acaaatgttc cccaaagcta cagcagaatt actaccacac atatttctac acactcatct 87840  
 accaatagta tggttagacca gagggttaag aactaacaca atgctattta gttttttctg 87900  
 cgattatgcc caggcaattc acattaatga tgtgaaagaa cacttaacag acaactcaag 87960  
 ttgcaaatt agcaggagag aagagaaaaa tgactcagaa caacaagcat agagtattac 88020  
  
 caaatgcact ttatacatTT atcctgttaa gtgtagctta gttttgatga tttacaatac 88080  
 tagttcttac tcagttttgt aagcataaca aagtctctgt aatctcagcc ttcccatag 88140  
 caccctgcta ttaaatcttt gttgagcagT gtgatgagac ccctctggct tccagccctc 88200  
 cccacccctc gagggaaTtg gcaagaaatg atagggtttg tggattagta aaatgagagg 88260  
 ttctctgtgc ttttcttct ttaaatatat attttgataa tctgtcttct gcatcagaga 88320  
 gtcccaacag cattagagtg ttgattcccc tgccttctta gcctccagga aaaagacagc 88380  
 aaggctgggg caagacaggt ggtttccatc tattgctaaa attgaagaga gggacttaat 88440  
  
 tttttctttc acctttcccc ctattccttc aagcagggat gatacataac ttacttatac 88500  
 atgttggact gtagactcca ggaaaattgc accatgagac aaaggagaga gaactcatct 88560  
 gtgagtgtca ccacgtcctt tgctatcttc agggactgtt ctgttctttc ttagaacaag 88620  
 gatgcttgTc cagaaaaata tgcaataact agaatacct ctcagtgaca gactccatga 88680  
 ggtgtgtgtg agctcgcat ttttttatcc ctgcaggatc cactgtctaa aatttcagtc 88740  
 cacgtggaca gctaatcatt attttacctg gcacataate ttatagctga ctttcaaatc 88800  
 tgggtctaga attgatcatc ttgttcttct gtatttgacc ttcactcca aaggcttctg 88860  
  
 ttggccttgg ctcagtttca agacttttga tacggagtga ataggttttc atcaaggcag 88920  
 gctctccaag gaatgtgcgt cacccttggg gatgaaagtc accaaaggaa cagatcttaa 88980  
 gttaccaaga aaacctcag ttaaaagaag ggaagaacct aagacagggt ttctatggct 89040  
 ctctcataac agaactacce tgagtaacce acataggcat cagcacatag aatatatccc 89100  
 ttttctgtta ttttgcaaat caacaagttg taagatagct ttcacttcta atcatactct 89160  
 ataattaacc ctctagcaca ctgctcagga ttccctcttt ctttacacag attgttcac 89220  
 aaaaagtctt caggcaatgg tctagctggT atagggccaa acatgtcagt aacgacttca 89280  
  
 agattaatag aagggaatcc acaagcaaca aagaataaat tgagaaagca gcaagataag 89340  
 accatggaac gggcaggag aaaggaaagg ggaaaatatg gacagggaaa ttaagaatct 89400  
 tggagaaagg accggaatga gaggaaaatc agcaaagatg caaatggggc tgaatgaaat 89460  
 taaaaggtaa aacgaattta aaaaaaaaa aaaaaggaaa gaaaaagta ataaaaccaa 89520  
 gaggcacaaa aaaaatgtat atataaaaat accttctttt gctaaatcca gcactttgtc 89580  
 agccagggtt ggggggtggg ggggtggggaa gcagcaagaa gagaattcaa gcagtgggaa 89640

gccaacactg gaactgtcag acctcccaac ttactactaaa aggctttaac caagcaagaa 89700

agcaaaagca tcatattact tttttaatta aaatgcttcc aagtgtcttt aatcttttcc 89760

agatcagact ggagggcaac cttcaggcaa ctcaagctac accattaaca ctttcaacaa 89820

acatggatcg ttcttgattt catttctccc tttttttcgc ttcctccttg gcctccactt 89880

acactttgcc tcccgaatct accaccttcc caaagaaata atcctgaaca acaataaaca 89940

ggaaaaaag acccatcaga taactctctc tggacatgtg cttcaacaag tggcaagtaa 90000

gacttttttt tttttttttt tttttttgag acagagtttc actcttctgc ctaggctag 90060

agagcaatga cagatatca gctcactgca acctccgcct cctgggttca agcgattctc 90120

ctgcctcagc ctccaaagta gctgtgacta caggcgtgcg ccactatgcc ctgctaactt 90180

ttttgtattt ttagtagaga cggggtttca ccattttggc caggctagtc tcaaattcct 90240

gacctcaggt gatctgcccc cctcaacctc ccaaagtgtt gggattacag acatgagcca 90300

cgacgcccg cctctacttt tctacctttg actaacctgc tgtagtatgt gaccacagaa 90360

cagattccct actttcagaa agcttcagac caaaataaac caaacatttt accagttttt 90420

taaaaaatgt aactcataat ctttgccata ccatgtgtgg aaaattcagc acttctgca 90480

caggtattat taaagttgta tgagacagga ataatgcctt ttgcttcgat tcaattttat 90540

agagctgaac ataagaataa ctatagggca cgcactcagt aaaaattaac cacttaccaa 90600

gcagaatttg aaggttgttt tctaaattat atgaatttta aaataacttg taacatgaga 90660

gaggaccac tcttaccaa gccatgattt cttgctagat gaatatacac tgtcatgtca 90720

gtccagtggg aacgtgaag ttcccatgtc ttatctctaa tgttagtgct gattctacgt 90780

gagcaaaagt ttgtttaag caccagttaa tctactgaaa atggcatctt actaatcatc 90840

tgcatttaat gggattttcc caaatgata tgttctagga aaaatacacc ttaaatgaag 90900

tcaattaaat atatatgagc tagaaaatcc aaaaaaata ccaataaatg cccaacagaa 90960

tgtcaaaatt aaagacggat aatataaatg ttagcaagta cgtacgacaa ccagaattct 91020

catctactgc tgggtgggagt ttttgaaaaa gggtttggaa gtttctaata gagattaaac 91080

atatcatatc tcatgccctt cacccaatga cccagcaatt ctattcctaa cgagagaaat 91140

aaaacatatg tccacaaaaa gatccatata gaaggttgac tattatgaac tttattcata 91200

atactcaaaa actaaaaata aagtatccac taacaagaga atgtaaaaca aataatgata 91260

tgttcatata atggaatact acacagcaat aaaaaacaca ctacttatat acacaacaat 91320

atgaatggat ctcatagaca ttatgctgaa caaaagaagc tggacacaca aaaaaagggt 91380

gcacgccgta caatttcatt tacaagaagt tctagaatag gtaaaatgaa tctatggta 91440  
 aaacagctca aaaactgggtt acttctagtg gagcattatt gatcagaaag aagcatgagg 91500  
 gaactttctg ggatgaaaga aattatatct taagaagggc gtgtcacata ggtgtattta 91560  
 ttttgccaaa attcacaaa ttatatactt ataatttatg aatttcactg tatgtaaag 91620  
 tggcactaaa aattacagca ttaacaatta taaacaata ttaaactcag tttgcctatc 91680  
 atggtggat cagcaagcaa ttttgaaact acttactgta tattctaggc tcaggcaaat 91740  
 gagtaaacaat attaataagg ataatggaag ccaggtttct ctctgttaca gaaggcagca 91800

gaaatacacc aaggaaaaag actaggatgt acctgaggta ctgaattgaa tgggaggat 91860  
 caatatgaac atatggtttt tattggatag agaaaaatac acatatgtgc atatacttgt 91920  
 atatgtgtga attttatgag ccatattatg agtgtattat atattatagt aagtatgcat 91980  
 gtacatttcc tacttctgtc tactgaagtc cataagtaat ggtacaccta tagcattgag 92040  
 catacatagt atccatatct tggtttctaa atacctttgt cctcataaag aaccaggaga 92100  
 aaaaaagaa aaaaaaaaaa gaaaagaaaa gaaaaattgc tggctgattg caggactagg 92160  
 acaagaaaag accatgatga ttctggagca tctatttgca tcagaaacta aagtttctca 92220

ataatgatgg aggcatatta aacacataca ggatcctgtt tgaagggact cccattggct 92280  
 agatctatgg caatctgggt atcaatacaa tgagagtaat gaattatgac ccactgaata 92340  
 aaataaaaac ccaagagatg acagtaacat gaatatacaa ataacaat gaataagaaa 92400  
 gaataaaca gtaggctaac aaatagataa attatgaact tgcaatagac ataaaaacag 92460  
 tgagcatggc tgagtgtgtt ggctcatgcc tataatccca acactttggg aggccgaggc 92520  
 aggcgcatca cttagggcca ggagttcaag accagcctgg tcaacatggc aaaaccctgt 92580  
 ctctactaaa aagtacaaa agttagctgg gcatggtgtt atgcacctgc agtcccagct 92640

acttgggagg ctaaggcagg agaatcgctt gaacccagga ggagagggtt gcagttagca 92700  
 gagatcacgc cactgcactc cagcctgggc aacagagcaa gactccatca caaaaaaaaa 92760  
 aaaaagaaag aaacagtggg taaacatttt atgaatatgt agatatttat atagtatcaa 92820  
 agttatcttc ccacaaatta ttaaccatat acaaagagaa aatggttaact ttataatgga 92880  
 aactgttggc agataccacc ttaacaaac attcatcggt aacaacatca acatggtaac 92940  
 aaactaacat catgtacttc ctgatctgat gactgagaa gggtgcaata tcacttcttt 93000  
 ggtgattcag gcttctttgg agcctgaata ctacaggagc ctatgaaacc tgaatttaat 93060

ccttgggaaa catcagacaa acccaaattg atgggtatgt tgtaactaa ctggtagctt 93120  
 ctcttcaaaa atgtcatggt caggaaagac agaggctgag agaacattcc aggttaaagg 93180  
 aggtaaaaga gatgacagt aaatgttatg catgatcctg aatcgtggat gaggggaaaa 93240

aatagctacc aaagacatta ttaagacaac tgcTgaaatt taaatatgga ttgtgaatta 93300  
gatagtagta tctatttTgt ttaaaggTta actttctttt tttttgagac agagtTtcgt 93360  
tcttTgtgcc caggctggac Tgcaatggcg Tgatctcagc Tcactgcaac ctctgcctcc 93420  
cgggtTcaag caattctcct gccttagcct cctgagtagc Tgggattaca ggcacgtgcc 93480  
  
accacgcacg gctaattttt atttttagta gagacggggt Ttcaccatgt Tgatcaggct 93540  
ggTcttgaac TcctgacTc agatgatecca cctgcctcgg cctcccaaag Tgctaggatt 93600  
acaggTgtga gccaccgcgc ctggcctaaa ggctaacttt ctCagtttca gtaagtatac 93660  
tatagatatg taagagaata gatttTgtct Tcagaaatac aaaggatata Tgtatagagg 93720  
Tgtgatgatg Tctccaactt TctctcaaTt gattaagaaa gagatgctat aggagaggga 93780  
agaagagaat aataaagTaa atggagaaaa atgtaagcaa ctgatgaatc aggtaaatga 93840  
tatggaagtt ctttatatta ttttttcaag ttttctgtat gtttTgaatt gtatcaaaat 93900  
  
aaaagtTgct ccctagaagc atatataaac Tgtaaaaat atatgtatgg ccaatattta 93960  
tataagcaac atcaattctc aaacttcagt Tccagaaaat gtttatgggt tttctgaaag 94020  
gaagatgatt ctggggccta ataaactTgt Tcactgtaat ccctcttTga agagaagagc 94080  
cacaaggcac ttttaataaa gaagcctatt taatggattt aatccaacat Tccacaataa 94140  
Tccattcaga aaacctTgtt aaaatagaac acactttaaa atcttataaa aatatgaata 94200  
TgctTtgga aacagtCaga gaaccactTg Tccagtaaac acatttccca tactcgtta 94260  
atggaagaaa gatttTgttt gggaaaataa gaggcagaga aagagagaca cacacataca 94320  
  
cacacatagg agTggcatca gcttcaaaca gaaagagcag aatgatgtgt atcttacaga 94380  
gttctatcta aaatgccta cccaggctca gagatgcatt ctTgtaggat atattttaag 94440  
TgggTtagat attTgTtaa ctgagTccca gttttattta gccattacat caaacatgct 94500  
atgcaacatg Ttactttaaa Tctgactctt ccaaggaact gcatagcaga ataactTgcc 94560  
agccttaatg agTacctact ataggccagg tattTtgcta ggcttagata atgcgagaat 94620  
gaataagaca cagtttcagc catccatgag ctttcagtct aacgagtgag atggaaaaat 94680  
gaacataccc agTgagaact gtggTgctca aggataagta ttgaacttta Tgggaacaca 94740  
  
aaaaaatgtg gctaactcag gcagagggag atcagaaaag gtttcttca ggaagtTta 94800  
Tctaagctaa catgttcatt Tctcatgctg Tctttgaaaa ggtattcaaa ggatttttaa 94860  
aatatattag Tcatccaata TtcatgtTct gctcctaaat ggcatcatgt aaaaaaagc 94920  
aaaaaggaaa atacactcat tagctattga catttaggtg catttcaaaa Tctaagaggg 94980  
ctgtgacact gaggtTacc caaacaacca Tctcagaatt ctttcaaaag cacctctaga 95040  
cttagctagg tattcaaatg taggaataaa ataattTga gagaaaaaca cataaaggaa 95100

caaactgaaa aaatcagaaa tagaacagta caagaagaca aaaaagtgat aagtattgtt 95160  
  
 tacctgtcag ttgacattga ttaatcttgt gttctgtgat atcgctcagc gattcaaaca 95220  
 cctggaggca gctgtcacag ctgtgcacag ctctgtcttc caactctctc cegtcttccg 95280  
 gcctcttctt acaatctagt gcctctccat ctctagcttt gtcttcaagt ttacagttgg 95340  
 ggtctgaaaa atatcaacac tgtaagtatg gggttttaag acaggttctt ttaaagtaac 95400  
 atttaatctt ctgtctacca aaaacagaaa caccattttc cttgaagttg caataggagg 95460  
 gcttcattgc agattttatt acaggagaat caaaagtgag cctctcctaa aattattcag 95520  
 ttagtgacta tcaaaggcct tcttcctttt cccaccatg tagccctttt cctctctctc 95580  
  
 ccatcaaadc acicacccac tcttaagact gactttacca ttttttcat agccttttag 95640  
 ttttcgtta aaagagataa atcactttta aaattaacac gtctccaatg caaaaaaaaa 95700  
 aaaaaaaaaa cccccactg tgcttaagaa tgaactcttt ttctgctaaa tatactcttt 95760  
 cacgggaaat taccagaatt agccaaaagt ctagaataag ctaagccaat taccataggc 95820  
 acaaaattga ctttactta taaactggtc aaaacacaca gctactccat tatttgtag 95880  
 acagtgatag caaaataagc tgtatcacat ggcaaacat tcttacaat gcaaactcaa 95940  
 glgtaaatgt atgtctcttg ttttcaaat tatccaaaa agtgaaataa gatatatgaa 96000  
  
 aaacaattat aaataataat gaagtcaaca acttgagttg gcattaccaa tgttgaaaag 96060  
 ctaaagtgtg tgaaaactaa aaatagttcc attttcacc taaaaatgat acacaaacag 96120  
 caggagaga tgtgggggtg cggggagaga aaagcacgtg gaatgctttt acttagagct 96180  
 caataaacgc tttttgatta gttacgtgtt ctttgagtc atttctccc aaagaggag 96240  
 gaagaaagga actgtgtggg gagggggctg aagagtatct cttggggga aattaagata 96300  
 atgggataat acaatcagt actgaattta tgggtcactg atttcagta gcaaaaactc 96360  
 ctccaaagtc ataaataaac tatatctcaa aatcggtaa aattaaacta gagatttcta 96420  
  
 tttctataa ggccttgact agtcaatgaa atgggtacaa aataactgta tcaagatacc 96480  
 taagaaatac gtaaggcatt atctgtagcc acatttttat atgactacaa tattactttt 96540  
 aatggctaca ataaatatga taatttaa atcaaatatat tcaatgtttt taattttgct 96600  
 ttttagagat gggcttact aggcagccca agcagaagtg cagtggctat tcataggcac 96660  
 tatcatagct cactgcagcc tccaactctt ggectcaagc aatctctctg cctcagcctc 96720  
 ccaagtagtt gggaccacag gcacacactg ccatgcccag ctatttaaca ctttagatat 96780  
 ttcattaaat gttacaatca agaattccca gaatcaaaaa taaccaagta tttctcaaaa 96840

aagtcacatga acgccacacc aatatcctgc tctctgagat tgttttctgc tatgttgac 96900  
atagcacgtt tctatgaatg cttcttctac aagtcactta tactccttcc ttgtctggca 96960  
gttgttctag agctttcctt cacatcttca ataaacaact atatcaccac ccttccaacg 97020  
attcacatat gccaaaaatca acttatatca ccatgtatct gacaatctct tgggttctta 97080  
aaaaaaaaa agcaaaatc ccatctcaaa gagcacgtag tttgtttgt tgggtttttt 97140  
caaaatlaac acaactgttta agtacattgg taatttgggc tgatttgcca tctggaaaat 97200  
tattatctca acattctaca cagtgcccat ttcggtatac caggatttag actgctcatt 97260  
  
cctgggggag taatcacagg gatattgcat ttgtcttgta ctctccaag cagagttcta 97320  
tgtccagggt agtgtttagt aaatattatt tagtgatggt gagaaacgga aggagaaaaa 97380  
aatagagact acctttaaaa gtcctttacc agtatTTTT ctgtaaacag gaacagacca 97440  
gttacctgta aagtaaaaag caccagcatg cctacatTTT ccaaagctga tactacagga 97500  
cccaccacat ttgggtttgc ttctctcaaa tatttcatct ggggcaacag atgcaaaaaa 97560  
aaaaaaaaa ggcaatgatt caaagatctc caacaaacta aaaccaagt atgaaacact 97620  
gccaaactag acagcaattc aggaaaataa ataacagtcc caactatggc aaattgacct 97680  
  
ccacaccatt aaaacactta ttggaaggca gtatgcactc atgaatactc ttggttgttt 97740  
agcatgagtt tctagtttct caaaaaact gataacactc agggaaatgt cgctgttagg 97800  
tctgattttt aatagatta tttaaatgct acacatccag tttgcagacc tgtttgtttt 97860  
taaataagga gactctgta atacitaaag tactatacag agaaaaatga taaaaactca 97920  
ctttccttat tattcaagaa tatggacact ttccatgaat ccaatatcaa aaatacaaac 97980  
atagaagaat gcatgatggc ttgctctca aaagctgaag aaccgacccc agtccatgct 98040  
tccaacactg tggctagtta ttaaaatgag ggtcatttta agactaataa aaaatagttt 98100  
  
tgcttccact tctgcaattg cagatagaac ccttcaggga ctgaagtcag tcaagcttat 98160  
tcacttctgc tgcaacttta ggatgcatgc tccagccaac tggcgaattt gtttttaggt 98220  
caacacttaa gagggaccct ctgggaagcg ggttcgatta tagcctatga tgccttggtg 98280  
taatgagtac tggaatctca gtctctctcc ttgtaagatt tttccagcct ctactttcat 98340  
gaaaaactct tttttgccca ttcaaaagat gtgtttattt gtgctagggg tttgcatccc 98400  
taatgccagt tgatgtagga agattctaga aagcttacac tgtcaacct ttctttccca 98460  
caggtggcta cacttcaata attgcacatg gacttagtga ttagtTTTT ataaagtcct 98520  
  
ttgagatcca atcataaaaa ataattgtat tactctgcta gccattcaaa cctctgactt 98580  
caacctaagg ggttataaat acaaggcca tgctgtgaag tactgcctg ccccagcac 98640  
cactgcagga aggatcattg ttcttccaac tccattgttg tgctataaat ccacgcaaag 98700

ggtgatattt taaaatatcc ccaaactctc tacactgcaa ctacaaactg tgtcatagct 98760  
 gcaggcacca ctctctctcc ccttaccta aatgatctg cgcaaacatg ttgcattcag 98820  
 cacaaatgat ctcacctcct caaccaactt tccacctcat cctctgaaaa ggggtgctgtg 98880  
 ggacactgga ttatatacgt tctgattgga taaaatgctg aattttggaa cacacgcaca 98940  
  
 attattatta caaaagtaag tggcagcttt ctgtttccaa ttttgtaac attacttata 99000  
 aataggaatg taaaagaagc attcttttcc ctgattgtgt tctctggcag gtggttcttt 99060  
 tcttcgtctc atcctcctgt tcataagaat tgttattgct ataacttgct ttaataaaat 99120  
 tacaactgtg gggaaaatga aaaattgcac tggcttaaaa gtgttggagg caataaaccc 99180  
 atggacttca attaatcca agtgtgggat cagtttaagg ccaaccagca gaaattctat 99240  
 tctgtccatg taaaatgag gtttcaccac atttactttt tataacctat ataaaagtca 99300  
 agtaaaagta atgaatatct aaaagccatc tcagtggact ggcaaagact atctgtattc 99360  
  
 ttgaaactca tcttacatat ttctctctgt gcaacaagga tcccatgcct gatcaaagct 99420  
 aaaatgtcaa actactgaga aaacagccca atttccaatc catttactg cctcaaatg 99480  
 gacctcttc caagccactt ttgcatggaa aagcactggc aaaagaaaga aaaactaaga 99540  
 gatcatgtgg ttataattat taccaggcaa ggaatatctc tgcagctcag tggtaaagta 99600  
 aaactctgtc gctctctgt cccaatagt tccatcgcaa aacaactgcc tcattaaatc 99660  
 tctgcagtaa gattaatatg ccgtagctgc actacattta taacttggtta ctctataaaa 99720  
 agcacattta atggtaagag ccagagccca gatacaaagt attactataa aaacttctgg 99780  
  
 cagcaagtac acagtgcagg ccctctgtcc ctcttctgtg agatataaat gaggtttttc 99840  
 ctggttaatt ccaagcatga agctctacct taaaaaccag agtcagtttt tatgagagtg 99900  
 gcagaaacac aagattctga ggatgatgta aatatgaatg caagaagatt acttaacaac 99960  
 taagactggc aagagatgaa tgaacccaaa atactccact tatatactca cgcaaaactta 100020  
 aaactggacc acttctaac agtttgttct ctgatcatag ccagcttctc accaaattaa 100080  
 acagccatgg catgaattac tcaatcttaa gtcaaccac acagtgccca gtgagttcaa 100140  
 gaaactacca actaaaaaat acatactgtc tgaaaaaaac aagtcttagc ttcactgtga 100200  
  
 tgaccatgac ctccaggatc tcagtgcct aaaactgtca caaaaaaaaa ttaaagaaaa 100260  
 agtggcccca aactacact gctagtgaac tagtaaaaat agagggtttt tgagacttta 100320  
 gaaagctgcc cgagtctttt ctttcaagga tattgtctga aattaaaaag gcattataac 100380  
 ccatgtcaca tatccaggaa ttccatgcta aataagtaaa caaataattc aaagtaatgc 100440  
 attccacacc aaaaatctcc caaatcactg caaatgatgc atctcaggtt aacaaccatc 100500  
 ttgtactaaa cgtaattaac tgtctaatga tgtgtattt aaagttcata tgtgtactca 100560

caactagcct tctaggtttc gtgacatatt tagaagtcct acacctaata agaaaatcag 100620

agagtatctg tttaaaataa accatatctg aaagcactcc tcccctacaa gtatgttcaa 100680

atcctaatec ctgatttatg tttatacttt ttaagaacag agaaaaagtt accttcaggc 100740

tacaaagagt taacaagaag tagaaagcct tcttggtttg caaaaaccaa agggcgggat 100800

cattattttg tgctttctgg gctctagata tgcattctaa cttgaaatcc cataagacga 100860

aaacagattt aggggaaata aatcgcacac tgttataaaa tggcaagcag actctaata 100920

aggaaggcag cattgccaga ctgtgcagcc gtctgtcccg cactcgctg ctggctctgt 100980

gcctcatttt ttttattact gtcaactaaa ggtaaacaaa caaacacac acaacacac 101040

aaaaaaagca atcgatgggg tggctaaggg ctgagcatcc ccggaaccac atcggcctca 101100

acttagcagg attatgatgg gcatcccagg cagacacctg gctgggcacc aaccagtcca 101160

aagagctctg tggtcacgga taagaatgtg ctctttttac ctctttctgc aatgtttatt 101220

ttctaaccac tctattctct gaaagtgtt aaattgttt acagaagaag aaaaggaacc 101280

tgtaatctat ttgttccttc ctttgtctat aaaatcttct cagacagaaa gaatgatctc 101340

tgtgttaaac aaaatcgac tgttgaagtt tagactttct gtggttttgc ttgattgttc 101400

tacaggtcta tcacggtcct tgaagaccaa agagaaatat cacagatgta ctgttatcaa 101460

ggagaacatg ccaattgtga atttattacc actatctaca gtgaaattcc ttgaaggagg 101520

acgtgaatg ggaggaaatt agccttaggg gaggttaaac acacacacac acacacacac 101580

acacacacac acacacacac acacgcattc actttcacac tttgcaacaa aagtttcttc 101640

tcttccaatc agaaagatat acccaagttt ctttcttcca ttattctctc tttatcttat 101700

ttttttatta atttttttt ttttttgaga cggagtctcg ctctttggct caggccggag 101760

tgcagtggcg tgatcttgcc tcaatgcaac ctccgctcc cgggttcaag cgattctct 101820

gcctcagcct cctgagtagc tgggattaca ggcacgtgcc accatgcctg gctaattttt 101880

tgtattttta gtagagacca ggtttcacca tgtagccag gatggtctcg atcttctgac 101940

cttgtgatcc accagcctca gcctcccaaa gtgctgggat tacaggcgtg agccatcgcg 102000

ctggcctatt cccctttat ctttaacatg aaatttggta aaagaaagac acaatggaag 102060

aaagcaactt cagtactcca actttaatac aaagagtagt ttgtaactaa ctatgttagt 102120

agtagttact aacatatcc taccttaaag tcatttaact tcacaatgaa tttctatggc 102180

tgcttgtca caacttcagt aagcaacat ttcttgagca cctatgtggt taacagccag 102240

ttgatcaagg ccttgagat acaacgtcta aattcctgtc ccaagaagtt tgcaatttgc 102300

tgccgcttcc caactgggtgg gtcaaaagca agttcaagt ttttgggata ctgacacctca 102360  
 aggtgaccag gcacagcttg ggggtgactgg aaactgcaag tctgtcttcc ctggccttga 102420  
 gtggttttgt ccatttaccc aagtttgcca ttgaaactt atcacttttc tgcataatgtt 102480  
 atttcatgac aaggcctgac tggcacaagg agagaaagag aagagtaagt caacgactac 102540  
 agcaagaggg ataagtactc agatggaggg gcatctaaat cggggcaggg aaattttatc 102600  
 ccaagaagag caagttgggc tacattttga aggccacata acactgggaa caagaacaca 102660  
 gctctctagg aaatagaaac aaaggttaagg ccacagatac gtaaaacaac atgatgactt 102720

caaagaaatg caagtacctg tgttgctatt caaaatgggg gcgagggagg gatagaccag 102780  
 acagacagta aggcagcggc agagagcagg ctggaaaagc ggctagagca cgaaggaact 102840  
 cctgtgagtg taatgtccag atgttaacct cactgctatg agaaatcact gatggatttt 102900  
 aagtagggga gtgaatgac tgaatgacat ttacaaaaga tgctccactg gtaactgaga 102960  
 ggatggcatg gacaaagatc agacctggaa gcaaagagac caatccagag gctacagggt 103020  
 aaaccaggaa gtaagtagaa agtgaaaact aagtcaacgg cagaaaggaa ataatggttc 103080  
 tgggagccac tatggaaaca ggatctggat ggatggtgaa gagaggaaag tggagagctg 103140

tctcagtgtt tgccaggcac catgcttggg ggagccattc ctagacagga gcatgctttt 103200  
 ctactatct tcacatccag gttttttctt ttaccatat tctcacttac ctaaatagtg 103260  
 acaaagaagt gccaaagctg gagaaaaact gggcagaaaa atcacaccac ctaacttttt 103320  
 tctttttctt ttttttttga gacagagtct cactctgtcg ccaggctgga gtgcagtggg 103380  
 gcaatctcag ttactgcaa cttctgctc ccagggtcaa acgattctcc tgcctcagcc 103440  
 tctcaagtag ctgggactac aggcccgctg caccatgccc agctaatttt tatatttttt 103500  
 tagtagagac agggtttcac catgttggcc aggatggctc cgatctcttg acctcatgat 103560

ccaccgcct cagctgcccc aagtgtctggg attacaggcg tgagccacca tgcccagcca 103620  
 ccagctaact ttttaaccta gtaccagagg ttccagggg ccccaaagac acttctcagg 103680  
 acttcaagga tcttttgtaa gactccttta actttagctt tattttaagc acacacaatg 103740  
 ccaaagaaga ataagtataa aattaaactg aaaacaaaa gagacattga ttctaataac 103800  
 tctttcttat ttctcttta aatatatcat taaccattag tttaagtaag ttaacacgat 103860  
 ttacttggg gttcatgatt cttttcatca gacaaagtca aaacaccaga ctactacttt 103920  
 taataacata aaacccaat aaatttaaaa tacttgtttt aaaaggtgca cacagccttc 103980

tcctaaaaga aaatatggta aggaaccaca aagaatgcga cagagcagca ggggaaagag 104040  
 atgacacaag ggtgaaatgg gtacacaaac tcaaatcac ctacgctaataaagaaagaa 104100  
 aaaagtaccc tgctgaagct ttttctagat gaagggttta aagtaaaata cccagagtct 104160

ttttgtaacc gtgttgtttt tttttgttt tgctttggca tgagcctttc ttcttgccag 104220  
 atttgaatg cctcactctt ccaactaccc tgatgccttc agattcaaca atgacacatt 104280  
 tgaatctcat atagtctcta acttcctgca aaaagaaaca aaaccagctt ctgtagttcc 104340  
 atgctcaatc ttaaaccgag cctcaaggac tcccttcttc cathttacat aagaaagata 104400

ctacacacaa atatttttaa tatccagcta atcaagcact aatttctcga tagtaaagca 104460  
 actttaaaac tgctaaaaaa aaaaatccac tctggaggaa aacaaattat ttgaaaacat 104520  
 ttctgtgtag tctttaglac ataatgacca ggtatactga aaactgcttc tcagacaaga 104580  
 cagctacaat aagaaataaa accaattttt gaacctagga tttagacatt tggacatttg 104640  
 cgaaagaatc tggctcctct ttactaaata agtctatgta gtcttagtag cacagttaga 104700  
 aagcattagt ttccccaagc aaagaaaaat ctgcggctaa atgcctttgt attaacgata 104760  
 tcatactaata acttacacca actgtttgta ttttttcagc cathtttagac agtgccagtc 104820

aaattgcaac atttctgaat tggacacctt aagttaacta tctcaacaat tgctgaggca 104880  
 ttagcttggg gggaaagtgt tttgtttgaa tcaggaaaca ctggcttgct gcaatgtagc 104940  
 aatactcact ttcacatttt gagaaggtaa accccaacct cattcacaaa aatcaataca 105000  
 atattatcat tcaattctct ttactagtga ctttggactt gcttttttct tttttttttt 105060  
 ttttaaattht aggaatttcc tctccttaac tgcaatcata tatttgaaag acaagaacaa 105120  
 ttggatttgt ctaaagtttg ccaaaattaa tcgaaacatt ttgggcattt aatattccac 105180  
 taaacagatt tatttcaccc aggaacatga aaaaatgttg ggttttttct ttctttttcc 105240

ccttcagcag ctccaaatgg ctgtcaaaact gggaatcaaa ctgccattaa aaagaaaaat 105300  
 aatttgaaaa caaatgaaaa cagatttttt tcttttctaa gtggaaaagt ctacatttgt 105360  
 aagaaatgat cccacttagg aagataagaa agcattttca aaacaactgc cttggttaaca 105420  
 tgatgactca ggaaaagaga aattttaaaa aaagaaaaat cctataacat aaggcacaaa 105480  
 tttgtataat gaaagatcac agcaaaaaaa aaaaaaaga ggctgtgatt tataccttat 105540  
 gagctattat aaactacaag aaaatttatg tataattgaa aaaaaggaat tcatttgttc 105600  
 ttcccttagt tggcttaata aattttaaaa tacatacaac cctaatgtc gaaggttcct 105660

tcacctgat aaacaaaaca agaaaagcca cacaacaaa aataaactat aaaaatagat 105720  
 cattattgat ttagttccat ttctgtaaca ctttcttaa ggaatctgaa acaaagataa 105780  
 tataagagca tcatttgttt taaatttttt aactgcactt ttcatcttct aggacacaaa 105840  
 ataattcctt aggtgtccat atgagtctaa tgtttttctt tagttttaat acaatctctc 105900  
 caaaagccag gttttaaaaa tgtacttttt cctacagaat gaccacctca ccaaatgtgc 105960  
 attcaatctg catgtatctg cagacaagta ataaagacac gagtgccatt agcataatca 106020

atacacaatt tacagagcta cccagataga actaaaagtg aacgtgtacg ccattatcat 106080  
  
 agtaactgta aattaatagt tgttcgtgga aatgtgttcc cacttatatt gtctcaatct 106140  
 cgacttgtca ggataatgtg accacatatt atatatattgt atagtattta tgtatataat 106200  
 gtagcatata catatacaaa tctatacata tgtatatata catatatact agagtagtat 106260  
 atatttttatc gtataatgct atagttaaac atattttcaa atgattatit ccagataatc 106320  
 tccaaatatg cataaagtaa tatcaacgaa atcaatcaca cataggagga aatggctgat 106380  
 aaataaacac ctatatitct tttgttttgc tttttactat gtagtttaat aagcatgtgg 106440  
 ttttaataagg acacactctc tctctctctc tatatatata tatatatata cacacatata 106500  
  
 tatatgtaaa tatatacgcg gagggagcat attctcagag ggtgggcaga agggccaggg 106560  
 ctcatcttac ttttaaaaga gaataataag gaaaataatc tggtaattc cgctgttgc 106620  
 gtttgtatit ttttaaaatc caacacattt gaaaccttac atttagccaa caccacccaa 106680  
 aaaaaagta catcctgtct ctgaaatacc atctctagga tgtcagaatt ggagtaattt 106740  
 ttttcagaaa cagtgcagg tcatgcccaa ttgcctccac agaaggatc aatgccacac 106800  
 cagtcttgg gacaacctat ccctgcaatg ggtatgtcca tctttcacag ccatgaagaa 106860  
 aaactgtatc aaatgtaata tatttcgaac aaaagaaaac agggataatt tcaggatgg 106920  
  
 aaagtgcctt aatctgccag tgggaaatat gaatttgttt ctctctatc tgcttcatgg 106980  
 tgtgtttaat acaggcagtg tggattacc aggggctagt cagcccaaag ccagggtcac 107040  
 tgctatagtc ttgcaggca caaccatcac tcacttcttc ccagaagtca agctggtggg 107100  
 ctccacccaa gcaaatctct tgacctttga gtaacagcac ggagaagaaa gacctttgaa 107160  
 agtctactca acctctacaa ggcagtagtt ccaagatttc accagcaatg aagaaaacac 107220  
 tccagcacc cttgccacc accactaaaa tatctcccag atcagcttcc agaggcattc 107280  
 aatttttttt aatcagaaga caaagccttt aattatacaa ttacagattt gtcaggattc 107340  
  
 cactgctttt aatgctacca tatttttctt ggagaagtaa ctttctctta gaggcagaag 107400  
 agtagaaaag gagagggaac tcagatctaa atgcctgaag tcaaaaggaa catcagagga 107460  
 gagatctggt ggccagtgga ttaattatit ctacatcttg atttggttta tgacgagtct 107520  
 tggcttcttc atttgaaaag tatgggatga aagatgccca ctttcaagtt ctttttctgc 107580  
 ttcagccata ctaactggat gggccagtg tatgtgactc agttttctca cctataaaat 107640  
 gagagcaatg ataactgaca aaggatacat ttaaagccaa aggaagacac agtgtctttt 107700  
 gaaacgttaa acaggtgccc acacataagg tatttgtcaa aaatagttaa ctcaactctc 107760

ctccagctcc attaccacc ttttattgia gataatgggt actaagagtt gaatatataaa 107820  
gttcacacaa ttctcttag gctttctcca gaaggggaaa tttttcttc tctacacaaa 107880  
aaggcaaagc agccgcaata ctgagtgcc cccctagaga ctttgcaaac gaggtaaaca 107940  
taaagaggat aaaacatgca ggcctcccca gcttcccaga gaacttcac cagaatagaa 108000  
agctattacc agttagtgt ttgctaagag ccagacatcc attaagcacc ttatgtttgt 108060  
ttgttaatat gacagtcctg caaggtctat tcctaacatt ttactggtaa gaaaactgag 108120  
gttttagtaag gticaataac atgtagcttg ttaatagtgt gcaggattca aacacaggtc 108180

caccaggcag cgggtccctt gtgtctactc attgtgacat gccgattgtg cacacaggac 108240  
caaagcactg agacattcca ctgctcagac tagaataagg aaggtgatgc tctcagagca 108300  
gtgagcctgt aatttttct ttcagaaaaa gtctgagagg gttggaaaag tctctttcc 108360  
tcccatcacc taaaatgtgt atagccatga aaggtagtgc ctagaattat aaatcaagag 108420  
actgagactc ctccctagtc tgtcaciaaag tcatgggtgt accctggaata cgtaacttaa 108480  
ggcttttggg tcttgagac agcaagtggg tcatctctag ggtcttcct gctctaaact 108540  
ctcatgatct gtatctctc ctgtcctcaa aacactctgt accctgccta accagatgtc 108600

catccccagc ccgggtgac ctttcgggaa actaaactag caccgcacc caataccctt 108660  
ttaaagtgt tttccagaat atctatatta agcgatccca aagtgaatt tcctttgtca 108720  
ctttctatca tttaaagata ttccactcat taaaagtggc ctgctcaat cctcttggt 108780  
ctccccactc tgattttcat tactaattct ctacttcat ttagcattaa ggttgaagaa 108840  
aaaagtataa atggctatct gaaagtcac tgattggata tattaagggt ttagactttg 108900  
tcggtataga aagacaactt tatgacagtt tacatttagt taaagttaaa agaaaagata 108960  
gtgtctacga agagtatcac cggacaagtg aatgccaagg tcaaccagcg agcgcggaca 109020

gaggctgggc ttctaaagcc caaagggcc gacagagtc gcaatctgga agtggggcct 109080  
gggtgatctt acaaactgaa gagagaaaga ctgagattg aacaagcaag ggaagttaag 109140  
gggaaattaa aacaactga acagttagga ttactgcag aaagaataaa gaagaaacca 109200  
agaggaaaac aatgtcaatc tgccccaaaa taaggctctc aataaaatta aagcaccggc 109260  
tagacacagc caggcatgga tgggagttaa ccgccagtca gcagaccatt cctgtattct 109320  
ccttcccat tcaatctcta taccacatg tgcttctaga caacacagaa tctctctctg 109380  
aagccaagaa gaaaatgctt gtagacaaat ttactgatga ctgaggtgat gcagaaaatc 109440

atccctctgt tccactaatt cttttgtaaa cccaagccca gatttatctt ttttaattaa 109500  
ggattattaa taaatctgct atgattaaac ttccataatg atatgtgaat tttttgtctc 109560  
cagttcctct cccaagaaca attagactac ctttgtaaat tagcactggc cttttgcaa 109620

ggaacctaaa agacaccaat ccgacttacc aaaaaaagat ggcagagggtg ctaaaattaa 109680  
 ttagcttcac tttatgcttc cattatcttt taattggaat ttctgcagta atttttcttt 109740  
 cttaattcta tctacgttgg caaagcaaag ttagattttg gactggatca atgcattggc 109800  
 caggggtgaag gtacctgtcg tggcagactg aactcggcaa agactttgtg agaatccctc 109860  
  
 tagcccccac aaaacaggct tcagaaaggg ctatgtgcta ccacacaggt acataaaaat 109920  
 tcccaatctt caaccacagc aagaaggaac tttctagaat agaaaagagt tgtatgctat 109980  
 ggtgtgtaca aaagtgagaa aaccittgag agtaaaaaga aacatttacc aggcacttca 110040  
 tatctaccag acactattct aagagcttac actaattaac tcttaattct cacaagagct 110100  
 ctttgaatta ggtactagta ggacctcat ttacagatgg agaaactgta gtacaagggtg 110160  
 atttaataac ttcccaagg tcaatcagat tagaatttca acccagagag tctagttaa 110220  
 cacccatgtt cttaccact acactatact tccccattt aataaatgtt tgctaagcac 110280  
  
 ctactatatt ccagaaata ttctgcgagg ttggggacac agagatggag gtgggggaac 110340  
 aagacactgc agccagtgtg atggggaaca cagaatgaaa agaaagatta ggaaaaaatc 110400  
 ctttctataa tatgtcagac acaagatcta ttagttacaa gggaaagcgc tgacaatacc 110460  
 aaaaataaaa atttgaagt tctgtatggc aaaagagaaa aaactaccac ccacagagtc 110520  
 aaaaggcaaa ctggggaaaa tatttgcaac acataagtca ggcaaagagc taattttctt 110580  
 aataatatga gctgctcttt caaaccagaa gataaaaaac ccaaggaaat agaaaggcaa 110640  
 ttcacagaaa aataaataca aatagtttat aaacaattga aatgatgctc aatctacctc 110700  
  
 ataattacag caatgctaata taaaatgtca attaaatacc agtttgtttt ttcacaagtc 110760  
 gcattagtaa ggatgaagta tttaaacaca ggcactctct aacctgctg ccaactgcag 110820  
 tgtgaattgg tcttacttct ttggagggca cactggcggg atccattaaa attttaaatg 110880  
 cacattatct ttaaccagca attccatttt taggaattga tcccatgtat ataaaatcat 110940  
 acatatcagc aagaatgtat gcatgcttcc tgcaacacag ataagtaact aaaaagaaac 111000  
 acctgatga ccagcagctg gggatggact agacaacagc ccatcataca atggatactg 111060  
 caaagtcatt agaataaagg ggagagatca taagtgtta tatggaaggg ctgctaggaa 111120  
  
 atatatattag gaaggaggac aacatagaga cctcccgtt ttgtttgggg aaaagaaaaa 111180  
 aactcacat atatacatca caatttaaga ttggcccagt tagctccctg ggtacattac 111240  
 ccagctagc tatactcact gtctctgtct aacctggaa cagatattta aggaacagtt 111300  
 ggaaggggca acatataatc ggccgtccag agtaccgatg catctcactc tgacctttct 111360  
 tacagaatta cgtggatggt taggggttga attcaaaca cctctcatag acttttgtgt 111420  
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtaaacta caattaagaa taaagacaac 111480

agaaaaggca taggaaatgt gagttgaaag tggaaaaaag tgctagtaga catattactg 111540  
  
 ttttcacaat ctttcacagt ttttctacat ttttttttta agttttgaga tggggctctca 111600  
 ctctgtcacc caggttggag tgcagtggcg tgatctcgac tcaactgcaac ctccacctec 111660  
 caggctcaag tgatcttccc acgtcagcct cccaagtagc tggggccaca ggcatgtgcc 111720  
 accacgcaa ctaatttctt atatttttgt aaagatgggg attcaccatg ttgccaggc 111780  
 ctgtctcgaa ctctgagct caggcgatcc ccccgctca gtctccaaa atcctaggat 111840  
 tacaggtgtg agccattgag cccagtcatt ttttttttaa ttacagaata tactaatgaa 111900  
 ttgttgatgc actatcacag tttagtattt actaacctcc ttgatgtgaa aattgtgcta 111960  
  
 agaatttaca aagatcataa gcagaacat aattagatga ctaacatata ttttcctaaa 112020  
 tagctaagac ataaaataga gaacagtgtg taaattgtct cacaattcca gaatgagtga 112080  
 gtgatcaag tatttagaga gcatttctaag gattaaaaca aaccagata ttgaaagtt 112140  
 aacagactta ggtaatggaa aactcaatga atgtagctgt aggtagtta cttagaatgg 112200  
 gaaaaccagg ccacaatta aaatatggcc agaacttgca cagaagttag ccatgtgcca 112260  
 atgacacaaa aggaatacca tttgtgtgaa ctgaaagaac actattgttg taaaactaag 112320  
 taaaatctaa agttaacatt atgagagaca caaaggaggca cataatatgt cttcatagac 112380  
  
 tgtagttcc atgaaacca tgagcagttg ggtctgactg gttccatatt gtctccctag 112440  
 aacctgacac atacttggtg ctcaataaaa aatcctttag aatgcatgac catgttcagt 112500  
 atctttcatt cgaacataa tgaaacttca ggatttgctt gaaagcgctt cctccagaat 112560  
 cttccctga cctcactgat atcgtgtta aatagtctca ttaacatcgg tgctgtccct 112620  
 tcacaggaat ggaaattact agcatctgtt ttatttaata tgtttccact gtttgatcat 112680  
 aactctacca ggatatagac aatatgtctc cttcatagca ttctcaactg ctgactctct 112740  
 tagactgcta aatgactggt aaaacacagt aaatatgtt taattaatca actggctgaa 112800  
  
 ttaatgcatt tgittgtgtg tctacatttg ttgtctaca ttgtaggta cggggattca 112860  
 aagaaaaggg acaccaaact gttctcaaaa ggcttataga gaaaccagga aatgaagtgc 112920  
 cacaacttct ttgacatatg gggataagg gaataacaga gatgggtcac ttttaagttag 112980  
 gtaggtcgga aaaagcctct cacaagatgt gagatgaaaa caatattcaa gcctttatca 113040  
 ttacaacacc gacttgaata tccacaatct aagcctagaa gagattcaaa gtgaagccat 113100  
 ggacatcact aaaggtttgg gacatgctgc tgcaggaaaa gaataccagc atttgggcaa 113160  
 atagatgaac atgaattgaa ggtggctagt caaactaaat taaaatgctg tctttaaagc 113220

aacacacttt ggtaggttgt ggtggctcac gcctgtgac ccagcacttt gggaggccaa 113280  
 ggtgtggac acttgaggtc aagagtttga gaccagccta gccaacatga tgaaaccctg 113340  
 tctctactaa aaatacaaaa attagccaag cgtgatgggtg cgcacctata ctctcagcta 113400  
 ctagggaggc tgaggtgaga ggatcgcttg aaccaggca gtggagggtg caggagacca 113460  
 agatagcacc actacactcc agcctgtgtg acagagttag attccatctc gaaaaataa 113520  
 taataataaa taaataaata acaaaatcaa acaacacact ttgaccttgg ctcaaatgtt 113580  
 ttggacggcc aaaggtaaat ggggtgtctt gataagaaat cacagtggaa agtaaggctg 113640

tccaaactgc gtttggaaat ttttccagt ctttgatttt gttccatcag ctataactca 113700  
 gtcaagtcca caatttgaat gtatgtttgc cccattaata tgaattattg atcaacttgc 113760  
 aagaatcaca atttctcaac ataagaattc taggatgttg gagctacaag ggaactcaga 113820  
 agtactgag accttttttt tgactgttaa gaaatgaagt gatactgatt ccactgaagt 113880  
 ttattgagca cttagtatag ggcaggcaac tggctaagga ctctcctagc ctagggacac 113940  
 agggacaaag atagagataa aaagccacca tagaggtctg ccagcccatc acactcatac 114000  
 tgggttttaa atatgcaaat cggcaagtat aaaaaacagc tacctttaac aggagctata 114060

aaatggtgtt attatcttgt aatggtttta ttttgaagat taaaaattg gtataatgat 114120  
 gcaatagtta tgtaaatgac ctatatgatg ttggaggagg caaaagggat ttcattgtga 114180  
 tcatcttttt ctteggctag ttacactccc caccatcacc attcattcca gtgtcacat 114240  
 ctttgaacac gaagaccatc aagacacca atatcattat ctttaaattg tctcacttaa 114300  
 gatccatgat tcagtaaaag tttatttcaa agcattcacc tatctctcag gggaaaaata 114360  
 gtcaaacctg cacactatgg actttttagt accgacttgc tgcattccct agtgttctac 114420  
 gcctgcacat ttaatggaat aagtcccttg caacttcttt cactcaatt ttgtatagca 114480

gggattccta actgaagttt agttttgtg ttttttaata tgaacatcat acacattctc 114540  
 caagaacctc caatcacttt aaaggatgcc ttaaattctt taaacaattt agaaaattaa 114600  
 ttagcttcac cattgcacga ttaactttca aaaatgttat ccagaacttt taggaggggt 114660  
 aaaagatatt gcaacatcac tgacctagt acaaaagagt gggaagtaaa agttctatat 114720  
 attgtgctta gttgtttcag ttcaagtgga catatttccc tttagattat aagagaaaaa 114780  
 caaagctagc aattcttaaa aagtatagtt catcaaactt tcggtgcca aaatgttttt 114840  
 gagactcatt ttgtctaact gcttcatctg acccaactca cagaaaaagt taacatacca 114900

tacacacgta cgtccttctc ctcacctgca gagctttctt caaaaacta aaaagcaatg 114960  
 gaaagtatgt agactctcat ccagttttct agactataag ctccataaga gcaaggctta 115020  
 tatactgttt tgggtcacag ctgaatctc agaacttagt acagtgcctg ggataagacg 115080

ggcatcaaaa accaaaacac aacaaaacaa aaacccccag aacttgtaa atgatgaata 115140  
agcttcctca ttttagtgac agaaagtcta aatcctagag tacagagggt aaatggcttg 115200  
ccaaaacaca cagcaaatca gagtatgcc cctgtctctt cctgtctctgc aaccatttcc 115260  
ctacaagcac tagtatccaa gtcacaatac ttatgacat aactgtttgt ttttattttc 115320

aactctttcc aggaattaat atgcactccc ttgagccac agttcttctt aacccttgcc 115380  
tcatgtctgc aaaacatcat acaactttgc aagttgcaca ctgacaaccc caaaccccc 115440  
tatgtatagg aacttcagac tccatacatc agcattcaag caatgattct gttttggctt 115500  
cattagtact tggtagatca atgtttgtga agactttaca gcctttttcc ttttctttcc 115560  
tttgtttttt tttgtttgt ttgtttgttt tttttgagac agagtctcgc tctgtcgccc 115620  
aggctggagc ccggagtga gtggagccat ctgggtcac tgaaagctcc gcctcccagg 115680  
ttcccgcct tctcctgcct cagcctccca agtagctggg actacaggcg cccgtcacca 115740

cgcccgcta attttttgta ttttagtag agacggggtt tcaccgtgtt agccaggatg 115800  
gtctcgatct cctgacctg tgatccgcc gcctcggcct cccaaagtgc tgggattaca 115860  
ggcgtgagcc accgcgcctg gccttctttt tcttaatgta taaaagtaat caatgaaaga 115920  
caaaaggtgc tgatagtgtt aataaaaagc atatgtctga taaacttaac acaactaaga 115980  
caacctaat cattaggaat gctgaaagca attaatatgt agtcttattc aagcactaac 116040  
tggacctaat ctggctctat tgtgaaagat aagaatatta gctaagaaca cgtatgaaat 116100  
gctggaaatt gtttcttgaa gtcaatataa agtttaaagc acagtatat ttttagatt 116160

ccaggtcaca gaaactccta taatatggca agttatagtt tactgtgtgg actgttcacc 116220  
tcactacagg tticaacaaa tgtattttgt atgaatatat ggaactgtct gtaatcaatg 116280  
aggattttgt ccctatcagg taaataagtt tccatcttga catatcatat ccttcacagt 116340  
atactgatgg gataataaat tttgagaaaa agccaatcat aagatggaaa gagaaggtaa 116400  
taaagtcagt gaaataatga gactcaatga tacgtgatt ttaatttcaa aaaggaaatc 116460  
ttattctttg acaccaattt taattggaaa aaaatccaat tttccctta aaacattatt 116520  
aacacttata tggacttact aaacaaagtg catttctac agaaggttta gagtatgttt 116580

ccgtgtatat agactatgta tgtgtgtgtc acaatatgtt gtgataactg agggacgtaa 116640  
actcttgggt ttcacatata caaaaaaatt atcataacca aaatattgaa atataaatcc 116700  
aacaactgc actattatga aaacaaatat tctgaatgtc aatcattga ccttgctcag 116760  
attgggagag ctatgatcat gcgggaatag tatatatgct ttccaaacca aatcatcttt 116820  
atttaaaat aagattcaaa atgaacacgt acctaacaca tacacacata aaaatgacag 116880  
gcatacacat ttttttctt ttcaggattt ttcaaagcat ttactatccc atagaattaa 116940

aagagatgct gccccaaaat aataatTTTT aaacttaatc tttttttaaa aagtgttcta 117000  
  
agaaagggga gtttttacac agtcatattg gaatctaaat ttgtttaatg accaaattat 117060  
aaacctctgc aatctgacaa ctagagtaga aatactaaact atagtatgtg ctgccataat 117120  
aatgataccc acaagatcag cccagtgcct gtagctgtgg cagggtcccc aggcagcagg 117180  
ataactgctg ctgatcatt atccctgcta aaactgaagc tactgaagtt ttaaagaatt 117240  
catatcttac tgaatttctt tcatctctaa taattactaa actggcataa ttacttatac 117300  
tagaggtgga atgtgatgca tgctaaaagc ccaaggtgcc taaaattaaa gttttttatt 117360  
aaaaaaaaa aaaaagctgc gattctactt agttttcaga gatttatctt gtgtcgggct 117420  
  
ttttatgcca ggagttagcat aattatttaa accatttaaa agctttcctt acactatttg 117480  
attaatacta taacagagct atttaaattt actaatgtta actttaatgt ttaagtitta 117540  
attgctttgt aataacactg ttgcagaaca ttttttaaact cagacaagta cgcttttact 117600  
acaacaaca aggtatatgc aatcctagca ccatgtagtc cccaacaaa aaacaggaac 117660  
atttcagatt taattgaaat ggaattagaa agttgcatgc atctcccca cccctagaac 117720  
taactttaac ctttgacagc acaacaggag tcaatgaaga aaaaaattaa atacatctgg 117780  
gaaaatactt agctacaggt ttgacgtgga atatcagcct ttgtatcaaa atctcattca 117840  
  
attcaaaagc attctttcac atcttactta atgataatat ttacattttt aatgatgcag 117900  
acagctgcta aaataaaca atactgcaag tcttaaaatc actttccctc ttaaaattaa 117960  
ctgaaaaact gaacatagta tccattaaat ccagccatga ggaatgtatt ctgtggcaac 118020  
agaattaatg acagtaaacc agcaatgtga atcctgacag atgaattaat aaaacacatt 118080  
aataggaaaa agagaccctt aataaaattc ttaattgatc ttagtagacc tactcttttc 118140  
tactatcaaa acctctttct tcttattaca tgcttttaca tcaaaatgaa aactcaagca 118200  
agtatactta ataatatgct tcaacttatg tcaacaagta ttttaactaga atttaccaga 118260  
  
ctaacgagcc ctcaaaaaca gactccttta aaaatagagg gaggcaggta caaatgttcc 118320  
tctaaggtga aaagaaatct cctacaaata tgctacgagt cttgcactag accaaataag 118380  
caagtacaaa gaactaagta taattaccgg aagcaaaaag ttgaaaaatt ctgtcatcac 118440  
tgtagacgt cactgctgtc agtaaggata actacagtgg tttttaaagg atatggaaat 118500  
actctggcaa acaaaaaaag aaaaattatt aacagcttgc tttataaaag gctgcttgct 118560  
aatctcaaat ccctttgtaa tttcattttt acatgtatgc ttttatgttc agtatcctat 118620  
tttttgctct tttttggctg gatgaataaa agacaacaat ccactcatgc ataaaacaga 118680

tgtttttgtt tttaaggcca agtggaaatct tatgaatttg tgtgccctca ctttaggaag 118740  
atgctgccag aagtgctgaa atcgtgaaac cggcgttttg gaagagactc actggacat 118800  
cagttctgga actttgacta gcactcatgg gatccttgcc aactgtaatt gctgtttttg 118860  
tttatgtcgg atgtctact gattggacta taatgaattt aatgacttca acatctagtc 118920  
agtataattt aaaggtgggt gaggaagaa acagtcactg gttgatagat aaatagaaga 118980  
acatttgcaa gtgtctgaag gagtatggat gtcaaact gtttgagctt ctgcagtgtt 119040  
tccaataatc aggcctttta gcatacaagt ccaaaagtaa agcatacatt tctgtatgcc 119100

aattagtatt ttgcctgta caatcatgaa aaaaaatctc tctctctaatt ttgtgtgtgt 119160  
atgtatcttt tcttattttt taaaaactt acctagggtt aaaatctaata catgaaaaaa 119220  
gggagtcaca acctatctaa aaataatttt gagggaaagc cataattgcaa ttcttaaaag 119280  
caaagcactg cactgtctta aaacaattac ctttacacac aaacttgggg gctttttttt 119340  
tctaattatg tcatcatttc caaaatcaaa actcaatctt tactgatgag gttttttttt 119400  
gtctaagaaa tgaacatat gaaatataag agaaactt ttttttgggt tatacttcac 119460  
ctgtctacc gtaagtatat atattttgac ttggaacata agagaaaaaa atgtgtttta 119520

ataaggactg cagagtttaa tgtttctatt aaatttcagg gccagtacaa gctccctgag 119580  
gtggcttttc taacacctac aatttttaga gcttttccac tagagaatac agcctaatac 119640  
acaggttttc ttactttcaa aaggtttcag gcttaaaate cattgccttt acattcaaat 119700  
tctatagttt acattttctc tttaaatgac agactaagtt ttgccactct attacatttc 119760  
taaataaatt actctactca aaaataaaat aaaataaacc ttcttaagta caaaagaagg 119820  
taaattgggg aaaggtcaat cacaagtgtg ataacttcaa aatgtgccaa gttacaaagg 119880  
gttagctact gtgacggcca agttaacaa ggcacttctg gggctctctt tctccctggt 119940

tcccaccact cctctccaga ggctccctggt atgggtttat gaacacctga ggggttcagat 120000  
atcctaattg tgccttgtgt ttaacttggc catctaatag actaagtgt cccctctctc 120060  
cttccagct ttataacttg gctcttactg aatatacac acctttatat agtggaccac 120120  
tttttccttt ttacagtgtt ttttggagta aatttcaaaa aaaaattgtt tgttattagg 120180  
taaaatggcc gagaaactc catcagagag gcaccacaag aaagagaata aatagccagc 120240  
aagaaaaata gaaataggct acaattgacc aatttgatgc aactgatttg ctgcctctaa 120300  
aaataagctg acaggagaac tattttgagt caggtaatct actcaagtac catgtctact 120360

ctcaggaatt gagacaaata tccaaataat ataaatgggg cagaaagagt gactcattta 120420  
attgtctgtc catccatgcc tctaataact ggcttcaatt ctctatttca ttaaataaga 120480  
ggggttatcc agaagattcg taccataagg acagaataag tttgtcaact ttgtatgtgg 120540

gctgatagaa ttttgatgct agggccttga aaggcaggag gggtaaagga gttccatgtt 120600  
tcaaaatata ttccagctt ttacaaatag aaaagtgaat ctttccgtg tttaacaggt 120660  
ttaatgtact ttagaggagg taagtagacc aaccaggacc tgctccactg aagctagaaa 120720  
tatggctacct acitcagga gatggattct taggacaatt aactgaagt ttcctacaaa 120780

caaaaaaccc agcatacttt ttcaagtaaa cataattatt ccttcagggt actaaattat 120840  
gagaattcac acaataaatt caactgttaa tagaaatgtc ctggtaatct gtatttttaa 120900  
gcatttgggt gaaaatacag actccaaacc taactgacat tgtgtcttca tgtttttatc 120960  
tgcccttaggt aaatgacttt cctgagatac aagtttcaaa ttatatcaaa ttgacagtca 121020  
tgtcagcaat atcttttaca tcttgttgggt taaagtacta gtatgcatgt aagacagaag 121080  
ttggaaattc agtgcagaac ttcatgtttt atttagaagg gcctattgca ttttcaggtt 121140  
ttccaatgcc tcttcaagt tggctataat ctacatgggt ttgaaatact gtcactcatc 121200

taataaaatc agacttttta tcttttaatt gcaaacctat taatcagtta ttcataaatg 121260  
aagaaacaca acaggactgc ctttctatac ctgctgatag caaagtgttg ttcactgcat 121320  
attactacta atatgatacc agaacacagg tcataataac acctctctgg cttttctatg 121380  
atccaagtgt gaccttctga atgatataat ggacaatccg catactcaga acactcctac 121440  
aacacatttt gaaaaattgg agacccttcc aagaagacat agggaaatca aaatactgaa 121500  
gagaaggcta ggtattttaa aagagccacc cagaatgccc ttcctcttct tcaaaaccgc 121560  
tactaatatc aaaatgattc gtttggata gctcatctac atatgaattt ttcaaggcat 121620

acctgaaga aaaacaatcc gctcttcagt gaggactgta ctatttttat tctgtcttc 121680  
agcttctcat cccaaaagc ccagccagcc cacctgaggc cattcgctct tttgggagtt 121740  
gtccaagcag ctgataggag agaacagcac tgtgttccgc gccacacag aatatggaag 121800  
ctaaatcttt gtttttagtg taaatatttt atttagaatt tagcagttga aacagatgct 121860  
gtctttgtgg ggaagatatt tggataattt tgcaaatga cgataaaaga ataaatgtc 121920  
ctctttactc attcttctact tgccattttt tgcttattaa cctaagaact gcacaggtat 121980  
tttgcagttc gacttatcaa acctgcccag cgaataccgt caactgacgg attcccttta 122040

ctgcccataa aatcctacgt gcatgagaag aaatcatctt caggaagcac tgggaacaaa 122100  
cgcatcaca gtcaacaaa ctttcgctgt aaattcactc caaaagcagg tgaaccaa 122160  
gctcagaagc tgcgagtga caaaactgcc aatcgtgcaa actttaataa actttttttt 122220  
ttttgaaaag aaaaatccct cccaaattcc ttcacggggt ttcagaagct tcttgagacc 122280  
ctttccaccg gacaggcact aaccgtatc ctacttcaac tcggaaagt cttctttcca 122340  
agtgactagg aagaggtttg tcttggactc tcgctcagcg ttactttcaa gaaagccggg 122400

gtctcgggca agtctcgccg gcgcgagcct ggtccaccgt tacctgaca cccgcgcacg 122460

cccgtagggt ttcttttttc actgtcgaca ctgggatctt tcaggccctg ggtctaggtt 122520

tccccagaa aaatgagggg cccatgtgac ggaaccacc agacacactg tgtggagaca 122580

catgccaatg attcacctcg ttccgaact aaaacttctg cgcttttagga aaaaagcaag 122640

cgttccaatc tgcgaggccc tccccaccc cgtcccttcc caggagaaga aagaaagggc 122700

tttgtgtgtg cggtagggg tccgttcac gagttcaaaa atgcacagcg gccggggggc 122760

gggaggcgtg gggcgccggg ccctgcccac cctttttccc cgggccggcg gcgagtcggg 122820

aagctggtgc gggaaccggg gccacggggc gccgcggccc ggagccagg aggaagagga 122880

tgctgcgcg ccggggacca gagggcgggg ccggcccgcg cggacctcgg cgggacccag 122940

cgggccggg cgggcgcacc agccgccctt tgcctccgc ctccgggtcg cgggggccgc 123000

ggccgctcc agcgtggcc ccctggcct cggcccggtt cccgctctg cccgcgcgc 123060

cctcctcgg ccctcgctt ccgcgcccc cctccccgc tctcgcctc ggagcgccgg 123120

acctcgcggc tcccctcggc cggccgccc cgatttctc ggaaggagc tcgcaaggt 123180

ggaggaggcg gccgaggagg aggaggaggc cgccacgtga ctctcctgc cacattcaa 123240

cacagccatc agatcgataa cttcagggac ccccgcccc gccgcagcca gctagtgcgc 123300

ccccaaaac ccgcacgcac gcccgcac ttcctctcc aacagggacg acggagagct 123360

ggacccacc gcgaaacga aaggactcca gggcgccgg ggagaagtag gggcgagggg 123420

cggtaactt ctgggaatg ccaagagggg tgctctgagg cccgagccgg ggtccggtgc 123480

ccgcggccgg cggccgggt ctgtttact cggcgacgtg cggagaggac ccaagcagga 123540

cgcggcggg cgggaggcgg cggccgggac cccgggccac gtttgtcac agcgggggct 123600

gtccccacc tccgagatga ctttttctt ctccaaaga aaagaaaaa agaagcaccg 123660

cacggttttg catatttatt ctttcgaaa acacacaaca gaaactttt cctccagccc 123720

agatgtagat ctacagcggg atatttttt ttctccctc tccggataat ttcgtttctt 123780

tctctctctc tctcttttt ttttcggtt gttgttgtt tttctgccc actttctacc 123840

gccgccccat tcgggatcc tctccctgc ttctctccc cccaccccga cacctcacc 123900

tactccacc taggggtca gcggggagg gagcgcgcg cccccgcac tcacactcac 123960

actacgcgc gcacagcct cgcagccag cagccctgc tccgtaccc acagtgcac 124020

tcgcgatgg gggaaagcgg ggagcagggg gtctctctt accttgagg gatctcggtt 124080

tcgttgctt gcggcgagac atcctaaaag caaacagctg aagtgtttc aattcagccc 124140

tgaagaaac tatacttctt cgtggccgcg cgcctctcgg gccgcggcgc ctgcgcctt 124200  
 ccgtcggcc tccctcgcc cctcgtccg cgtccgctc ctgcgtccgg ctccggctcg 124260  
 cgctcgcgcg cggggctcgc ggctgcccga gctccgcgt ctgcacgacg gcggcggcgg 124320  
 cggcggcggc tgctgcacca aactttccca gccttcgacc cccaccccca atctccaaga 124380  
 aaaaaaaaa aaaaggaaaa agaaaaagg aaaggaggga aaaaaagcta aaaaaaaaa 124440  
 cccaaagaca atgtttgaag agccgtcagc tacactaaaa agagaaaatc cgttactatt 124500  
 tccacctcaa tcaaaattca catagtcat gcgaatagaa aaaaactaat aaaaagaaaa 124560

gcgtctgggt gattttttt ttctttaccg cttttcttt tcaacaaatc cgcctccccc 124620  
 cccaccggaa aaaaacaaat aacactgatt tgtttcaaaa gcgagtcgtg ctcttttgta 124680  
 gttgggggga cgaggggggg aaatcgacc tgcaaggcga tgaaaagtc ttggaagaa 124740  
 aaatctccca ccatccgagg cagatgcgaa cgggccacga aaataagcaa agggaaaaaa 124800  
 atactttttt tctcccttcc cccacccctt tttttcttaa cccacactaa agtaatttct 124860  
 ttcaaaaaga aaaagccaaa gcacccgagc cgacggcccc cagggtgtgt gcggggctgc 124920  
 ttgtgtgcag ggggtgtgcg gggcccgggc tcggggcgcc cctctctggg cgggggcgcg 124980

gcgccggcgg ctggcgctgg accggggctc taaagtctac ggctgcctcg gcagcggcgg 125040  
 cggcagcagc ggccgcagcg gcggcgagcag cggcggcgag agcaggagga ggaggaggag 125100  
 gagagccggg agcaggagga ggagaaggag tgtgctgtgt gctccctcct catcacaac 125160  
 ctgcaagtc ttggactcgc ctgtcgtcc ggtagtccac ataataatgg aaaatggaag 125220  
 caaggcccc aaagccatca ggatggctcc agagggggcc cctaaccgc agggactcgc 125280  
 tctgtacgta atcactgagg aaatcattgt cagcctgcct gcactcacac acagacagag 125340  
 gggcatgatt aaaaggcgag 125360

<210> 16

<211> 256928

<212> DNA

<213> Homo sapiens

<400> 16

ccagcaagca ccgcaactgca ggaccatcct tgccctggtc atccaaacac aaacaatcat 60  
 tgtgcggtgg atggggtttc aggctgcgtt gccaaagcgtt gggaaatgaa ggcacacaga 120  
 ggccgacgga gcgtcttggg gccaccctga gctcctggca gcagagcaag gctggagctc 180  
 ggcacccagg caattgtgag ctgggtgattg gtactctgc ctggtgcccc cttatgactt 240  
 tagtgtagg cacttattag gtgaattaga gcatttatcg gtgacggttg gttggttggt 300

tggatggaca gaattgcttc taccaggcgg ctgtattccc tcctgcctga taggcactaa 360  
  
 aataagacat tctagtggct ttcatttcag gtcgaaaatg gacagctgag tgtgtgtgat 420  
 gagtgtgtgt gagagtgtat aagtatgtgt gtgagtgtgt gtgaacggat gtggctgcac 480  
 atgtgtgtgt gattgtgcgg gagtgtgtgt gcttgagtgt ggggtgtgagc atgcatgcat 540  
 gagtgtatga aaacacgtgt gagtgtgtgc agatgtggag ggagcggaaat ggggtgctgga 600  
 gacatgggca aggacactat cgcttttgca gtgcctgcta ctttttctca cttcacactc 660  
 ccaacaatgc catgtggtag atgttataat ctgtgtttat agatgagaaa attagattct 720  
 gagaaattaa gtaccctgcc aagtcattct ggtgaatggt agagctgagt gttgactctt 780  
  
 ggtcagcaaa gcigatgacc ttcttaccaa caatgctgaa ccgcaagatt gccaggggccc 840  
 tgacattgtt tcagggtaaa gaagccagga gacaacatca gaggcaggag ctgtgctgta 900  
 ttcatcctga aaagtcttgg aggaggaagc cacctactgg tctctgagtg ggtgggtgggg 960  
 ggcagatgga agtggagggg caaggctaaa accttaagga actgcctgtc agtgagcact 1020  
 cctgggagaa tcagaacact gggaggaaaag aggtcaagga gacagccttc ctgccacata 1080  
 gatagaacat tctggtggat ggaaatttcc acgagtgtct cagcctttct gcctggctta 1140  
 cacagaaatg gatcttagag ctactggcca gaagatcacc tttaccgaaa gcatcttgca 1200  
  
 gtcatectec ttccaagcc gccttccagt aagactcaca atggaaggtc cccaacctgg 1260  
 agcaaggata caagccaagt aagtgaaaaa aaggcactgt ttctgaagca taaagaaaac 1320  
 ctttcacccc ttactttta aaatcccggt atccatgaca actggacgga gggtagaaaag 1380  
 tggctgtccc ctccccctt cattgtttta ctttcagtig ctgcagcaac tgagtatact 1440  
 gggcccagcc agatttcttg ggtgctttct tctttcttag ttccccctt attgtgggcc 1500  
 ctctcagt ccaacattgc tttgtctctc gctggagaag cctgtgagaa cgaggatggg 1560  
 caaagtgtca ggctcttggg gcagctgaaa atcctttgag atggaagaaa tggctggaac 1620  
  
 aaaggggcag aggaacaaaa agccctgaac tgcttcgccc ctgcctcgtg gggctctttat 1680  
 catcttaaac cttgggatit gtgagtgtct aacttttctt tcccaggga tggcttgga 1740  
 gggatacaga cagagtgggc ctaggaaact ggttgggcaa cagtctcagc agagactgct 1800  
 tcccagggag acagagcctg gttaacttag gtcatectct ttttcttcat tccttttttg 1860  
 atttctttt tttccctccc tccctccctc cctccctccc tcccttctt ccttcttcc 1920  
 ttccttctt ccttctctc tccctccctc cctcctttcc ttccttctct ccttccgct 1980  
 tcccttctct ccttcttccc tccctccctt tttcccttcc tcttttctt tttcttacc 2040

ttctttttcc tctctctgct tctctctctct caccttcttt ttcttttctcc ttccttttct 2100  
 tctatccctc tctctcgtat ctgtttatgg ttaatatattt cccatttgag aaaattctaa 2160  
 acaattaggt ggaccttcaa aacctttgtg tattcaatgt atttcaataa ttgacctga 2220  
 agaaaccaga taigtgcaca aagttaatctt ttggtaatg tatcacagta ttgatacatt 2280  
 tataaataa tgggaaaagt ctacatggag agaaataaga tcagtcaa tcaactgtgtc 2340  
 ttatttttatt ctggcaaaag aatcattttt caticactca ttctacagct gcatgttggc 2400  
 cctgtgctga tggccagaga gcaacagtga gcaaacaga catggcctct ccttaatgaa 2460  
  
 acttagagat acagtcagat aactcagaaa taaatgcaat tcacaaatca tggtcagtgc 2520  
 catgatgagg aatgatggga tatgaagaga gggcgatca gtggcattta acttcatcca 2580  
 gggacgaggg aagatttctc taaaaccaa tgacttttga attgtgacct gcaggatgtg 2640  
 ctggagaaac gtggtgaatg ggtggagtga ggagagcag gccaggcaga ggggctgcca 2700  
 cactcactgc aagggccag ttgtcggggg agcatggctt gttcagggga cagaaggagg 2760  
 ctggccagct ggcctacaga gtggggtctg ggagccggtg aaggtctgga ggggagacag 2820  
 ggtacctctt gggcatgtct ttatggtaag agtaatgggc agcttcagt tggccaggga 2880  
  
 aggggtaagg ggtcaagggt ggtgaagggt gtgggacaaa gtcagatttg cagagaaatc 2940  
 actgtggctg cagtggggag gaaagtttgc aaggggcata atgggtttgg ggaccggcca 3000  
 gaatgccact gcagtagttc aggagagaca aggggcattt ggatcctgtg gtggaggtgg 3060  
 agatggtgag aaggtggatg ggagaggagg aattcaggag gtaaaccaa tggaatgtgg 3120  
 tggatgatga ttggatatg ttgggggggc ggtataaga gggagggaaa gatcaaggat 3180  
 ggtgtattat ttttctagg agcaaaatac cacaatctgg gtggcttaga agaacagaga 3240  
 ttatgtctct caatcataga cggtagaggg ccaagatcaa ggtgttgaca cagatgcttc 3300  
  
 ctcttaaggc agcgtgggag actctgctcc atctttgtct cctagcttct ggtgacttgc 3360  
 tggcagtctt tttggctcct tggctttag cagcatcact gtggtctctg ccttcatgtt 3420  
 cacatgatgt tttccctgta tgtatgtgtc tgtgtccaat tttaccccc acctttttt 3480  
 tttttttttt tttttttttt ttttgagacg gagtcttgct ctgtcaccca ggctggagtg 3540  
 cagtggcgtg atctcggtc actgcaagct ccacctccc ggttcacgc attctcctgc 3600  
 ctacagctcc tgagtagctg ggactacagg cggccactgc cacatccage taattttttt 3660  
 tgtattttta gtagagacgg ggtttcaccg tgttagcagg atggtctcag atctcctgac 3720  
  
 ctctgatcc acctgcctca gcccttcaaa gtgctgggat tataggcgtc agccactgca 3780  
 cctggccaaa tttccccctt ttataagga caccagtcatt attggattag ggcccacct 3840  
 actccagtat gaccacatct tatctaatta cacctgcagc ggtcctattt ccaataaagg 3900

ttgcattttg aggtattggg ggtaggatt tcaacatatac ttttttgggt agatacagtc	3960
agcccataat agaccacttc tgggcttctg actccatctc cagatggatg ttcgagccat	4020
tctatgggag tggaaactag atgaaaagcc tatttcagag aaaagacctt gagtttatct	4080
tagatctgtg gagttagatg tacttttaac tcattcattc attctcgaat gtccattaag	4140
tgacaccata aggtaggcac tggattaagt gctggggata tataatatatg caagttagtc	4200
atgactcctg cccccaagat actcagaatt taatggggat agaccttgat atagtttgga	4260
tttgtgtcct cacccaaagc tcatgttgaa ttgtaattcc caatgttgta ggaggggcct	4320
ggtgggaggt gtttggatca tgggtgggac gtcccccttg gtgcttttgt gacagtgagt	4380
gagtttctcat gggatgttgt tgtttaaaag tgtgtagaat ctctcccttc actctttctc	4440
ctgctccagc catgtaagat gtgcctcctt cctcttcacc ttttcaatg aatcgaagtt	4500
tcccgcagtc tcccagcca tgcttcctgt acagcccacg gaaccatgag ccaattaaac	4560
ctcttttctt tataaatttc ccagtcacag gtagttcttt gtagcaatgt gagaacagac	4620
taatacagac ctcaaacacg taagcaagta taatgttgca ggtggaacat atgctatgag	4680
tgagagataa attgagagcc tacaataatg ggattttatac tagtaaaaga ggtcaaaaag	4740
gggttccttg aggaagaact acttaaaaaa ggataactag caaaaagag aaagagcatt	4800
ctggacaggg agaacagtat atgcaaaggt cctgttgtga gtgaaagcag aaaaagcatg	4860
aggaatggga agctgggtag tgcagcagag gtgcagagag catagaggcc acttaaggtg	4920
aggtgagcct ggggaggtga acatcagccg ggctatggag ggtcatggaa gccaggtgga	4980
agaactttat gtagttccta agagcaatgg aaagccctgc aagattctga gccaggtgt	5040
gcatgattta aatataaaag ccatctcttt gcctgtcatt tggcgaatgg ataggaggag	5100
ggcagagtgg acgaaaagac ttcagaagtc cagagacaag gagggtagtg gtgccggaga	5160
cgcacataac tagacaaatt caagagatat ctggaaggga gatttgaatg gcctcagtga	5220
ccaactggat atggagttag ggagaggag gtagtgaaga tgacttttgg gtctcttgca	5280
cctactagca catgacagag aacactgaat gagcgccagc attgggaaat gtagactttg	5340
gggtgcactg gagccattca agagaagggg ctggaaggct gctggatatt cccaactaga	5400
gcttagggga gagctgggcc aggtggggaa ggctggacc aaacagatt ctggaggagc	5460
gggcagagct ggcaaagaat tgcttctcc atcatagcaa agggacagag tatgtgtgcg	5520
catttgcagg gaggtttgca agctcagtaa caggaaaatg aggtagtgtc tgctttctga	5580
tggcttctaa tttttctgag tagaaaagg tgaagtcgtc tgcttttagt gaaaaagag	5640
gaagctgggt ggaagctgt gggaaattgg cagggaaggt ttaaaatgat gttggagaat	5700
aatgaaacgg aaacgtttgc attatgtgaa ctgaaaaata gaaagttaca aaatagaagg	5760

tatgtatgac ttttaattttg ggcagaaaaa gtaaaatggt aacgtacaca taagtacata 5820

tacatatata catatctata tgctcatata cacacttcat gattagttagg actctaagca 5880

atttaaaata ctttgttctt ttcttcattt tctaaatttg caaaaataaa catgtattgc 5940

tcctgcaata aaaacctctt atttctaaaa aagtttataa aaccttttgc ttctattctt 6000

tttattgagg acttgtatat tattaatttg aaaaattatt gttaaactt ttttagctta 6060

aaatagcaaa ataacaacaa caacaacaag tatttgttga caagaaatgt ctttagctta 6120

aagtgtctta gtagaggcca tgctaatttt aaggcgatat tctcattctc taaagttaga 6180

gctcatctgc ctgcaggctc atgacagtga aatctttgct gcctgggtgca gacccaatca 6240

gtgactgaga aagcctagcc agtgtggtag cctgagggca gcagacctgc acctactcaa 6300

agagctaaat tccaagcaca ctggcgccat ctttgctaac tctgatgatt tcgattagca 6360

gaataatfff ttaaaaattg tacaggcgtg aacacattat gttatgttat tatttccaac 6420

aatactaagt tattaaatgt tgtaaatcac tgcttttagt tttggtaact ttatgccttt 6480

tcaaattggct acatttacag atgagaacat cttttccag ggttttccat gggggcagta 6540

tgaggacatt gctagctgca gtaacaaagg acgcaataaa ttcttttttt gtttgtttgt 6600

ttgtttgttt ttaaatgagg agtcacgctc tgcgcccag gctggagtgc agtggcacga 6660

tctcggtca ctacaaactc cgctcccgg tttcacacca ttctcctgcc tcagactctc 6720

tagtagctgg gactataggg gccaccgcc gcgtccagct aatttttttg tatttttag 6780

tagagacggg gtttcaccgt gttagccagg atggtctcga tctcctgacc tcgtgatccg 6840

cctgcctcgg cctcccaaag tgctgggatt acaggcatga gccactgtgc cgggccgact 6900

caacaaatft taatggctca acacttaaag taatacagag agattaaggc acttgcccct 6960

tggtcacaca gctaggaat taaaagacca gcatggccag cccaggcaat ttgacttcag 7020

aacacttggt cctcacctct ttcttatatt cccatctaac atgctaagac acctctgaaa 7080

tgttgtttct tctcactctt tctcacttt gggagggtga tgtgtatatg ttcttgctcc 7140

agtatggagc taattggaga catggaaacg gtacatcact aatacatcaa atgttctata 7200

gatctatgaa attagctttt cctaagcagt atctgtgaaa tcacaggtta gctgggctac 7260

acatagctaa tatgcattaa aataaatgca taagtccat aaaaagtgtt tccacttgta 7320

ccacccaaaa ccatctcgtg tgtgacaaac ttagggaggg gaaccattaa atctcgagcc 7380

tgggcagtgt atgtgcagac cctgttctgg aatcctccat ggggcagagc agacaggccc 7440

ttgtttcacg cacagcctgc ctcttccaag gatggcacga tgaccttcac gtactttgcc 7500

cataaaatgg cacaaggtgc ctgagagagc cttccaggat gcaaacttgg gtcggcaggg 7560  
cctgaccaa tgctggagag gtacctgaac aggacctcta actccaccct ctgccggccc 7620  
caccctctgc taccctccgc cctaaccctg ccccttttgc ctctgcccc gattgcccag 7680  
ccatggaggti tgagatggaa agaaggagg atgccacgct ttccgagatg gcactggcgt 7740  
cagtgtctcc acaagaactc ctgacagaag aggcgaagag gctgactgca cagtcctttc 7800  
aaccaaaatg cagtgttttg tcagtatcag cctggggagg aaactgcttg ggccgagtta 7860  
aagttaagaa tctgacttaa tccctaaatc tggcaacata aagggtgtag acaccaggc 7920

ctagccgtga ctgggccttt tcttgaatg gtctgtgagc ttcgggtagc agacagccct 7980  
ggctctggcg tggctctgtc acttcgtagg catgtaccct tggtacaaa ttttttagtt 8040  
ccaaatttcc taatatgcca aatggggctg aaacaccgta cgcacatggc tctcctcca 8100  
gaactcctgc cttcagacc aatatattat taagagtaat gaagagttag aataagtcaa 8160  
ctcattccac caacctgtga cttttatcca acattctatt accaagtgtg aaaagtgcgt 8220  
gtacgacaaa gtctctgac tttggaaagc ttactaattg actgtactcc cttttcaaaa 8280  
cagtcatttt atgtagcact tttttcagtc tcaaagtctt ttccttaag cgatctcata 8340

aaccctaaca agtttgtcat agaaataatt ttctgtctac ttacttaca atcttcagc 8400  
catgagatag ccaatatcct cccgtctctc ctccccacc ccattggcat ctgtacaca 8460  
caaaacttta ccagacacc cattcacctg acttacatcg ageccatctt ttttctctg 8520  
tgtctctagc tgaactgccg tgagagacac tgacgggtgt gaggttgaag gctactgtc 8580  
aggagatcc tgagaaagt aaagggccag gtaggagaat gaactagtgt tcccaagtg 8640  
tgaatttctg accggagaga caaacatatg ctgtccatca gcttgatggt atttgcctca 8700  
cttctgcct ctacctact agtgggtgac atcttcagca aacagtggga agttcctttc 8760

ctacagaatc acgtgggctg agaaaccctt tgacaataag gatgcactaa gctactcaa 8820  
tttcgggaga taatatatgg agaaaataaa attacttgct gcatttaatt ttgtatctaa 8880  
ctgaactaga acatttgtaa ttaaaaacac tttaaatgaa tccagtaaat tattaagt 8940  
tatggctagc gaagcaatat tgtgatcagt gtagcgaga acaatttaac caggagaggg 9000  
gcttgtttgg gagagatgtg gggctgaaaa aagtttataa gatgcagaag tgaggccggg 9060  
cgcggtggct catgcctgta atccagcac tctgggaggc cgaggcgggc ggatcacgag 9120  
gtcaggagat cgagaccatc ctggctaaca cagtgaacc ccgtctctac taaaaataca 9180

aaaaattagc cgggtgtggt ggcgggtgcc ttaggcca gctacttggg aggtgaggc 9240  
agaagaatgg catgaaccca ggaggcggag cttgcagtga gcagagatcg cgccactgca 9300  
ttccagcctg ggcaacagag cgagactccg tctcaaaaa aaaaaaaaaa aaaaaaaag 9360

ttgcggaagt tcccttggca cacttggcta aggaaacctg gcaccgagga tatgaaactg 9420  
 ggggacttga ggctccctga ataagagatg gagcttgcag aggacgcact aggtgcctgg 9480  
 cgttggccta agcactttcc agcagataat ttgcttatcc tcagggaac cttatgaggt 9540  
 aggtactatt attaccatt ttatagatga ggaaactgag ccacgtggag gtgggaatgc 9600  
  
 caagactgat cccaggcagc ctggctctgc atacgaaact gctgtattct ttgccctgtg 9660  
 gtatctcata cctggaaggc aggcaggga cagaggagaa aggttgaggc tgaatcgta 9720  
 cataagtga agggccccag ggtcctgag ggacactgag aagagaggag cccaagctat 9780  
 taggccgtaa aatacacgc ctgggtgtctg ccacatagta gattctccat aagtgttgaa 9840  
 ctgaaatcaa gcataattac ctgagctatc agccctttct ctctagtcca tcaacatttc 9900  
 tctcaattct ttgattttgt caaacttggg aaaccacgga aaatgtgtac ttcttaaaaa 9960  
 aaaaaaaaag aaaagaaaaa gattgtccag ttcattggaac actgcaacaa gacatgtgag 10020  
  
 aagagatctt actagtgtt aactcaaaat cccgagaggc ttgcgcagag gctggagccc 10080  
 agcaaccatt gcttgtcctt agagcccat taaggggcac cctcctatca tcaccatta 10140  
 gctttctccc ggtgaagcat gaatatcttc acagtgaagc tcaggtctaa ctgtgacact 10200  
 ctactgccc aaaaatgca caggattcca gtgagcaa atgccccgccc tgagtctacc 10260  
 cggcatcggc cacaggcatg catagcagga actgggcggc tgagttcaca ggcagtcaga 10320  
 atgggtgctg ctgctagcaa ggtaaaaatc atctgttctg ccaatgtccc cctctgctca 10380  
 ccctctaggc tgtggtctgg gtccctcagg atagccacaa cttgggaggc agccactgct 10440  
  
 ccccttgctt tgggccccta gctgcgtcct gtttacctc accttctga tacattcctt 10500  
 ggggtgctttg ctigtgtgtg caggggcttt gatcaactcg gccttctgg gcctcgggga 10560  
 gagagacgga ctgcctccgg gtgctcatga ctttccagc agtaagccaa taatgtatga 10620  
 ctctgcgtt gccgttgcct gtttgaggta accaccccat tttcatttct atcagaaatg 10680  
 ctttttcaa atgtcagtat gtttgagagt taggcttaga ttctaagccc agcaggcaga 10740  
 gatgagtgtt ggagctgggg cctgggaaca agcggccctg agtggacca actctaccag 10800  
 tccttacacc agcaggctta gagcagaaca accaggtggg gacagccaat aggagtggg 10860  
  
 taacttttcc atgttgcca gtgtgcccc cagtctagca tttgcacagt cctaccctag 10920  
 cttatatacc tgttctgctt caccagttc aatggctccc tacagcctgt aggacaaagg 10980  
 tcagcttccc tciggcaccc aaagacctct gggccctgac cttgtagagc tctgtttctg 11040  
 gggctgctca tttttctctc tcttgacccc catgcagcag ctatcatgag tgatgtactg 11100  
 ttcttggca gtaaaactaga ctgttccctg ggccatgcta cttccgctgc ttggatgccc 11160  
 cttctgggtt tcttctctg gttcaactta ctcatctatc agtgcctggg ttagctctac 11220

ctccatctga gaacatgtct ctgactgtga aggttggatt agcccagtct gcttccaact 11280

ctcatgggat gtataaagaa tgggagggttc taaaaagtag catcaagaca tcagagagac 11340

caaggttcaa atcttggctc tcacattatt aatcatgtca ttttgggcaa agcgttagct 11400

tctctgggct tcagtttcac cataatgtaa atgagggtat taacagtatt tgccttagaa 11460

gattgttttg aggcctgggg aagtccatgt ctataaaggg ctatagtggg ttgaattgta 11520

gccctttaaa gaaatgtcca ctggggactt cagaatgtaa ccgtatttgg aagaaagatt 11580

tttgcagatg gaattaagga tctcgagatg agatttcctt ggatttagga tgtgccctaa 11640

attcaatgac aggttcctta tagagaaagg cagaggtaga ttttaagaaa agagacacag 11700

aagaaggtta tgaagatg gaggcagaaa ctggagtac acagccacaa ttcaagaaac 11760

gtctggagcc accagaagtg ggaagaggca gggaaggatt ctctctaga gtctttggag 11820

aaagtgtggc ctgtctgata tcttggtttt ggacttctag cttccagaac ggtgtgagaa 11880

tgaatttctg ttgttttagg ccacgaagt tttgtgtgatt tgttacgggtg gccctggaga 11940

actgacacaa ggggtgcgtg catattgtgg atactccatg aaggtagcct gacagtattg 12000

ctattgtttt gatggctctg tgttaaattt gtcttctttg aggtgtgtct gtctacccca 12060

tgtcacctgc ccccaaaatt tcagcatgtg tttttcttaa cttgtgtttt caatgctttg 12120

cacaatgtct ggcacatagt aggtactcag gaatgatttt gggcaaggac atgctgatgt 12180

ggtactgtca cctggagggg actatacttc ctctttggct atcctgtgat cacacatcct 12240

gagggttctc tgcttggta ttgaccttt gatgacttga acgttcgggt tcagtgttag 12300

tagtctgtgg tgcccagtgg cagtgcagta accagcagaa ggggtgggata cccactggtc 12360

tctcaatgga tgggcaccag gggatgcagc aacagtgtg ggcttctcct ccagggggag 12420

ggtattgccc catgaagaga ggctgggacc ggggaaaagg tgccaaatgg tagctgagca 12480

ggctagtggg tgtgcgtggt tgatggatga gcttctgggg accagcgtca gtgagtggct 12540

tgccatggtc acatagatac tttatggcat cacagtgcga ctgtacagca ctggggttca 12600

gtgggctctg gggacaaaa ccttgggctc acagcccagg ccgacatgct cctgcctgca 12660

ctctaagcct gtggagatgg tgataaaacc accaacttg agactaggaa tttgaggttt 12720

agagaatttg aatgatttga cagaggttgc ttaggaagtg gtagtgcaa aatttaaadc 12780

cagttcttgt tcataatgct tgggcttagc aggggagtaa gtaaggaggg gacagtggcc 12840

tgaaagatga tgattgtgtt attgctatct tgtattttta ttctacatag tttataaadc 12900

ccacaatata atattgcttt cctttaaatg gtcgttgtct ttttaagaaa ttagacagta 12960

ctgtgttata tgiatctaca tgtttaccat ttccagcaaa tttttcattt cttcttatat 13020  
 atttgagttt ccacttagta ttctttccct gtagactgaa gaactgtcat agttcaggct 13080  
 tgctgccaat gaatTTTTTT cagctttccc ttatctaaaa agtctctatt ctgcccttat 13140  
 ttttgaaaga tattttttct ggctatgtag ttctgggttg acagatTTTT ctccttcag 13200  
 cattttaaag agttaattta tttttttaa gtatttatTT taccatgata ttttgcagag 13260  
 tattttgcta ttaagatttt tttttaaatt tcagtattta aaaaatactt acttggccgg 13320  
 gtgtggtggc tcatgcctgt aatcccagcc ctttgggagg ccaaggcggg tggatcaca 13380  
  
 ggtcaggaga tcgagaccat cgtggctaata acggtgaaac cccgtctcta ctaagaaata 13440  
 caaaaaatta gccgggcgtg gtggcgggca cctctagtcc cagctactca ggaggtgag 13500  
 gcaggagaat ggctgaacc cgggagggtg agcttgact gagccgagat cagccactg 13560  
 cactccatcc tgggccacag caagactctg tctaaaaaaa aaataaaaaa atacttaatt 13620  
 atctttcac cctcatttat tttctgatg taaactcaac tgtctttcaa agcattatta 13680  
 ctcccaaac tctcccttt tatattaact gttaagatat tattaatatt aatttatata 13740  
 attaatatta tattatgaag atacactttg ttaaccaata ttattattag tatatctgt 13800  
  
 tagactggta gcagaaggga acttttactt tcctttcac actcaccttt gatTTgttc 13860  
 tatgatcctg tataatttta attaaaacta aacaaacctt taaaagctga tatgtcaca 13920  
 actatgtggc aggcctgtca ttaggactat atgtccattt gggattagga ttcacccttc 13980  
 ccacccttgt gctggctctt gaggttgtac cctaggatgt tctcattgct tcgtcagttg 14040  
 acatcttgca gccctatcat ttatacacta agagatacga ggtgaacatg cgaccacaag 14100  
 gatcactacc actggctctc atatttttga atcagtgaca aagtatgggt gctatagtgc 14160  
 tttttgaggg taccagtagt atcttttgag gttaagaaaa ctttatcca gaggttgca 14220  
  
 gctagaactt ctagggaat ttttttctc catccacaat attttttgaa attttggatc 14280  
 tgaatgtcta attatctcca gctggccaat accccacaat tcccaaatta taactgtctt 14340  
 atacctggct ggatacacac atataggttt gcagaatggt tcccgaagac atttgagttg 14400  
 gtacgctgc atcctttgat aaaagcagac ctgtggcact aggccacaaa gggctacatt 14460  
 ctagaaagaa acaaagataa agtggagtgg gacacatttg cttctttct tccaaagca 14520  
 caagccagca caggcccat catctccaga atcaagtcca agttgccttt gtttgatttt 14580  
 cagagtctct tggcctagta tcagtctgct tcttagcttt acctgtcagt gctacactct 14640  
  
 cctctatac tcaccaccc cacccaacct ttgttctggt cacaccaag cggttcaagg 14700  
 cccctagct ggccctctt catcttctgt gaaatggcat tccaggttag ctctgttaca 14760  
 gcagtcatg tgiactggga agtggcagga tacaagatgc acaggtcatg aataaggggt 14820

cccagctat attttagccc acacatccat ttgttttggc ccacaggatg ttgaaaata 14880  
 ttgaattgc caacctctaa caccctggag tttcacata aaattctaga ttttcagctt 14940  
 ttcttagaaa atgaatgac tgaaaattct agattttcag cttttcttag aaaatgaatg 15000  
 atctggcaac acigggtcca tattcctgtg aagccacaca caggggcac tgagtagcta 15060  
  
 ccgtccttt atataggga tgagctcttt cctgtttctca catctgccac ccagcctgct 15120  
 ctctcaagca catgctgacg tggccacccc cgcaagcatg aagatttgca ctttttgttt 15180  
 tggggaaaga ggaaagaaaa gcaaggaagg aaattagcca ggtgtggtgg cacgcgcctg 15240  
 taatcccagc tactcgggag gctgaggcag gagaatcgt tgaacccggg aagcggaggt 15300  
 tgcagtgagc tgagatcacg ccactgcaact ccagcctggg cgacaggga cgactccatc 15360  
 tcaaaaaata taataataat aataataaag aaaaaagaa aagcaaggaa ggcattgattg 15420  
 attctgtctg cgaggtgtct gggacgatga caaaggaaag gacatttgag ctggagcact 15480  
  
 ggagatggta ctigttaaac atgaacaga ccaaaaatcc agcaagtctt tggcattatt 15540  
 tgggatgttc ttgtgtgaa tatgaaggct gaggtttcca tgctagaaac ccgactgtag 15600  
 cctcatctt tctcattctc acatgcata caaatatcag gtctcactga ataattgcta 15660  
 agaactgttc tagtccatcc cttgttctct ctctgtagc accatcctag ttcaggacca 15720  
 cattagtacc acctggagga cttgtgtca ttccttaggg ccttgctaata ctaagtgtgg 15780  
 ctgcaagact agggacatca gcacctaggg cctcccttag acaggtaga ctcagacct 15840  
 caccctagac ctactgacta ggaatctgca tattaacaag atctccagct gattcctatg 15900  
  
 cacattcaat ttgagaagc attcctctca ggagtggtt cttgacctg tctgtgcatt 15960  
 acaatcacct ggggagcatt aaaaaatgct ttagtttctg gcagcaccca aaccaattaa 16020  
 atccaatctc taggggtggg acccagccat cggagtttat tagaactctc caggtgatcc 16080  
 caatttgag aaaaatcagt ctttaggaca caggttctca aaactggctg cccgttagac 16140  
 tcacctggag atcttttgca acttctaaa accaagctgc atcccaggcc gattacatca 16200  
 acgtctgggg gccagtcaga cacaggtatc tacactggtg aaatttcca ggtgattgta 16260  
 gaatgcagcc agaattgaga tccagtgtt tgggactccg ctcaggaatc tttcatttct 16320  
  
 ggagaccccc tcacaatatg tcccctactc cagcgatgcc cagcctccat ggtgccctat 16380  
 gcataatgca ccatctctct aattatctag tacgtacctg cctcaccca cccatttgg 16440  
 ttgggagctc ctggaaaata gggactacgt ttacgtttc tttttcttat gccttgacac 16500  
 atgcctgata ttacaatac actcatcaag aggttattaa tttcttattg cttttattat 16560  
 tattccaatc ctgagagctg tgtaaggcaa ataaatctcg agacctcaa atcactaagt 16620  
 caggggaaaa gtcaaatgg gaactatgtc agacagacct gcctccatt ttattcctaa 16680

ataagatagg tacagagtta agaagcgaca tacctccttc acaatittcc acaaggaaat 16740

tccttgtgga caaaggacag acagaactca aagtcacccc tgctgaggct caccagagac 16800

aaacgcataat ttgattgctt cctctgcctt attttttatg taataatgca gattcactga 16860

cccagtcata atggtgtatt cagtgaagg ctgatcaagg actcaaaaga atgcaacctt 16920

tcgtctctta tctacttcta acctgaaaga cccacttca agttgtactg tcttgcctta 16980

tcggacagag ccaatgttca tcttgcacat attgatgtct catgtctctc taaactgtaa 17040

aaaagcaagc atggccagggt gcagtggctc acacctgtaa tcccagcgct ttgggagggt 17100

gatgtgggca gatcacgagg tcaggagttt gagaccagcc tggccaacgt gatgaaacct 17160

ccgtctctac caaaaataca aaaattcgct gggcatgggt gcacgcacct gtagtcccag 17220

ccccttggga ggctgaggca ggggaatcgc ttaaaccag gaggtggagg ttgcagttag 17280

ccgagatcat gccactgcac tccagcctgg gcaacagagc aagacttcat ctcaaaaaa 17340

aaaaaaaaa aaaaaggca agctggcggg gtgcagtggc tcacgcctgt aatcccagca 17400

ctttgggagg ccgaggcggg cggatcacga ggtcaggaga tcaagaccat cctggctaac 17460

atggtgaaac ctctctctta ctaaaaatac aaaaaattag ccaggcgtgg tgccaggagc 17520

ctgtagtccc agctactcag gaggtgagg caggagaatc acttgaacct gggaggcggg 17580

gcttgcaagt agccgagatc actccatggc actccagcct gggagacagc gagactccat 17640

ctcaaaaaa acaacaacaa aaaaaacaaa aggcaagctg tacctcgacc accttgggca 17700

catgtcatca ggacctctg aggtgtgtc acaagtgtgt ccttaaccct ggcaaaaaa 17760

ctttcttaat tgatggagac ctgtctctaa tttttgagt taacagagtc tatggtgaga 17820

gtttagtaaa ggaaagctca ccctggtgca ggggacgtg gatgatggca aagtctggag 17880

gcagcagagc agctaggagg ctgttccaat ggtccaggta gaagtgatg aacaactgaa 17940

cgagtgtggt ggcaaatggg gaaatagggc agaggcccaa tggcaagggc atcatgaggt 18000

agaatcagta gctatattag ttggctgggc tgctataatt tatcatgtca cagttctgga 18060

ggctagaagt ccatgatcaa gatgtggcag ggttgggtcc ttctgagagc cgtgcggatg 18120

aatctgttcc atgcctctct tctaacttct ggcggcttgc tggcaatctt tgggtgtcct 18180

tggcttgtgg cacatcactc tgccttcac tttctatggt gttctgtgtg tgtgtgtgtg 18240

tgtgtgtgtg tgtgtgtgtg tgaaaatttc ctctttttat aaggacactg gtcaaatgg 18300

attaggcctt cgtcgtcca gcatgactct catcttgta ccagcagaag ttatccaagt 18360

caccagcggg gaatccgtaa gggctctcgg caaccttgat ccttgcctct tcagaagaaa 18420

gaattcgatt gaagggcgtg aggcagaaga agagatggag gcaagtttta gagcaggagt 18480  
 gaaagtgtat taaaaagctt cagagcagga atgaaaagga agtcaagtgc acttggaaga 18540  
 gggccaagtg gacatttttg aggtcaagtg cggcatgttg cctttgactt agggttttac 18600  
 acatcggcac acttctccgt cctgtgtccc ttttctttga tccttccctt agggtgaccg 18660  
 gcccacatga gccatggcct gctagcgctt gagaggtgag catgcgcagt gtgttgactg 18720  
 gagtcgaag catcctctcc tgaggccttc ttccttttcc tgctgaaatg cccccggaag 18780  
 gtcacctctt gccattttgc ctcataatgc acatgctgga gcccaagccc aattcctgag 18840  
  
 atcttattaa gaagctgtcg gccgggcatg gtggctcatg cctgtaatcc cagcactttg 18900  
 ggaggccgag gcgggaggat caagaggtca ggagttcaag accagcctga tcaacatgat 18960  
 gaaaccccg tctacgaaa aatacaaaaa ttagctgggt gtggtggtgt gcccctgtaa 19020  
 atcccagcta ctcaggagc tgaggcagga gaatcacttg aaccaggag gcggaggtag 19080  
 tggtagacca agatcatgcc gagccaagat cgcgccactg cactacagcc tgggcgacag 19140  
 agcgagactc catctcggga aaaaaaaaaa aaaaaaaaaa gaagaagaat ctgttgatca 19200  
 ccaatttcag gtgttttcta tctacaggga aatigccttt ccctgggtgt ggctgtcaca 19260  
  
 gtgtgacaac tgctgacca tcacctgggt gccacctgac tttcctgttg ggggtgtgggt 19320  
 tcggggagcc ctcttctgtc ccgtcatgc ctaactagct accttctgta acaaccttaa 19380  
 ctaattcatt tgccgaacc ttatttccaa ataaggcac attctgaagt actggggctc 19440  
 aggatttcaa catatgaagg ggagtgggca caattcaacc cgtaacagca ggtatagagt 19500  
 tttttgtgtg tgagctgtgt catgtgcaag cacttgaact tcaggaattt tcgcttttcc 19560  
 attttagaga taagccacat ttttctgtg gagatcaaca cactccttcc taagtttttg 19620  
 tcaaatcat aacttatgaa aagcaactct ggggatgttg acaaaactgg aaaaacagat 19680  
  
 gtcttgagcc aactgggac aatatgagcc gagcagaagc ttgagaaact caggtgaaca 19740  
 aaaacataaa taattggctt tggttgttca ttaccagtt atcaatttca ctactttgag 19800  
 ctgatgattt tggcagactt aatgccctga gatttcacaa gtaaatgttc atagaaacta 19860  
 ttacaataa ctgtatacct gtcacaaca gactacagga tttagagtcc ctttcttttc 19920  
 cctcctctct cctccctct ctctacttcc ttttaggca taactgttag tacagggctt 19980  
 tacttgtaa ttgttcttt gtgattctgt ttgtggcaat taaatgcagt ggaggtttgg 20040  
 taattagctg ctgtaattag aaacacctic gggtaggaa ggtgtttcct tttcatcact 20100  
  
 ttaggagctc tagcactccc ttcaaacgc ctgcacttgg ctgtggggga ggggggagtg 20160  
 agcagctgca catcattcac gctggaggcg gctttctgct aacaacaaca ccttgacccc 20220  
 tgccttcaga attctcctt gcagctgcaa gcagaactga aaagtgtgca gggtgtctct 20280

tgcagttaat aattcccaga tctcctgcag gccctcggc gcacacgtct aggctggaat 20340  
 ctggacagcg ttatcctgga caattcaatc cctgccagaa aggtatcgcc tccccaaaga 20400  
 ttgtctgtct gcctttcttc ctatcttggg ctaaaggagc tttcaggaat tacatatgta 20460  
 catatttcat gticcacaat gggaacgctt gtatctcacg tcaaaacaaa agttaaagaa 20520  
  
 aaatgaaaaa cctcatgaat tgtcctttta aaaattctct gtttcctgaa aaacaaacaa 20580  
 aacacaaaaa caaaaaactc agacgaaata aaacctggt gaaaacctcc aactgggagt 20640  
 acttgctgcc tgatctcctg gctgagggaaggaggagtag tgtttctaatt ccattattac 20700  
 cagacgctga gcttctggga agaaagaaat gcatcttaaa ttgttatctt cctctctctc 20760  
 ttttccagct cttagactcct ttttcttttg catgttttg cagcttcaga tttcatacca 20820  
 agggagcttg ctcaaggagc taagaggagt ttgagggtgc tcttctggg tttagatctg 20880  
 taggtacctg ctggcctctg acaccttaaa aaccagttag agaaaagaga tgggggcccc 20940  
  
 glaccgggc cctgctggga gctctcctca gaccggtgtg caccagaag tccagattca 21000  
 ctgggtgggg gtgggaaggg gcttctcaag ttccccaga agtacctga acacccaaa 21060  
 caagtaaatg cctcacctc acgtcacctc tctccccctc ccccgagat ctgaggaggg 21120  
 ggacagctctt ttaagtgtt cgcctcaggc atgataattt gaattctttt taacttttag 21180  
 aatctttttt aacttttaga aagtcatggg cgggagcggg tggctcacgc ctgtaatctc 21240  
 agcactttag gaggtctagg tgggtggatc acgaggtcag gagatcgaga ccatcctggc 21300  
 taacacggtg aaaccccgct tctactaaaa atacaaaaaa ttagccgggc gtggtggcgg 21360  
  
 gcgcctgtag tccagctac tctagaggct gaggcaggag aatggcgtga acccgggacg 21420  
 cggagcttgc agtgagccga gatggcgccc ctgcactcca gcctgggaga cagagactct 21480  
 tgtctcaaaa aaaaaaaaaa aaagaaattc ttgtgagttt ggtattctac tccataatat 21540  
 accaactttg gtgctagggg aaagatgata ttttctccac cagatctgtg attaaaatgg 21600  
 atgctcccggt gcgggtggtg catgtctatt acaaccgggt gggggatgct ctctgctggg 21660  
 tgggtgcatgc ctattacaac ctgggtgggg atgctctctg gcgggaggtg catgtctatt 21720  
 acaacctggt gggggatgct ctctgctggg cgggtgcatg ctattacaac ctgggtgggg 21780  
  
 atgctctctg gcgggaggtg catgtctatt acaacctggt gggggatgct ctctgctgctg 21840  
 cgggtggtgc atgtctatta caacctggtg gggaacagg taggtgcatg actattacag 21900  
 cctgggtggg gaacaggtag gtgcatgact attacagcct ggtgggggaa caggtaggtg 21960  
 tggggtgat aacctgctgc tgacaaaggc cagtgggagg aaggaaacaa atgcctcaa 22020  
 attctcatca gatcgagct gcctcaaggc cttgtcagcc cttggagtga cagctgcctc 22080  
 ccttgctcct gtgtctgaca tccggtttcc agaggacagg gcttggtagg ctcttgcctg 22140

cccacaccc tcagggtgct gtcgaccccc tttccagat gtgaagctgt gcttctccaa 22200  
  
 cttacaacct ggcttcacag ccaggacaca gcctgcctgt ctggggcttt gcatttgtct 22260  
 ttcttccttc actctttgaa ttgggaaca gggatcttga actcaaagaa ttcctgacc 22320  
 acgccactaa acacggaggc cagatgcagc gtgctcctga tgttagcttg tcaggaaacc 22380  
 taaatgtgct gtgatgatct aagtcacctc gcggcaaatg gaggatgatc acaaatttgg 22440  
 gaagagtagc ttgctcatgg tgcacagtcc ctaaattctt tgcaatccag agagcttgaa 22500  
 tgaaaataca attagcatcg acagcccttc ttcttccttc tcaggtttcc ttccatgcag 22560  
 tgatgtgatg catgggaggg gagtttacca cgaactcatg gacacctggg taacttacct 22620  
  
 tgatcacaaac aaaaccaggg ggagaaaggc actgtgccag gaactcctca gcaagcaagc 22680  
 tcaatgcaat ctatttgtct ccacagtcag acctttctcc taggaagatg ccttgggttc 22740  
 gccaagctg tatcccgaaac tcggttcttc ttctttgctt cctttaaaat tgctttttcc 22800  
 tggagacata ttcttgctga gttatgttct tcaaattctt ttccgtcagc tcacttcatt 22860  
 tctacccaaa atatcacgta caagatattt ccaaacacac atgtctatct ccagtgccac 22920  
 atagaagata ttttttcaa acatcatatt taacctaaaa cttcttctt attttaatgt 22980  
 aatgcatttt cacccttaat cgctactatg cactgactgg tgtggtgcag aactctggga 23040  
  
 taagggtgta aacaccaagg gcattgtttt gtcattccac aaagtccaat ccagcctctg 23100  
 tcaactgctga tcagtgaaac ggaggttctc agaacctcag tcaccacagc agaaacctgg 23160  
 ggatgaaact ccttcacag agatgttgga aggattaggt gaagatgtct gctattttta 23220  
 gcatgatgtg ttatatgcaa agtcctaagc aatttaagtt ttctatttt ctttgaagga 23280  
 gcaagcttgc taaatggata aagctcccaa gaatattttg gtttgggata gaaacacatt 23340  
 gaaacaaaaa gtttagggac ccagcacatt ttgcacaaga tatggatatg gattttctcc 23400  
 ttatttgcta aaaaaaaaaa aactctctgt gatcactgtt gttggatctt agtctttata 23460  
  
 aagtatacga aggaccttct gttgagtatt gaaaaacata cgtgatctat ctgcaggctg 23520  
 gaaaagtttc ttcgaaaatg gaaatgtctt tgggagtagc agcagaaggt ttccttcctc 23580  
 ttatctctct gttggaaaat tttttcttt taaaaaacgt ttgtttttt atttccatag 23640  
 gtttttgggg aacagggtgt gtttggttac atgagtaagt tcttagtggt tgatttgtga 23700  
 gattttggtg caccatcac ctgagcagta tgcactgcac cctattagta gtctttatc 23760  
 cctcatctac ttccacact ttccccaatg agttccaaa gtcgactgtg tcattcttat 23820  
 gcctttgcat cctcatagct tagtccccc ttatgagtga gaacatatga tgcacctagc 23880

acttaagccc tcatgactga attttatgat ctggaaatit tattgtcagt tggcagcact 23940  
gaccatttgg cctaggctca ataaaagata atctagcctc tctcttactg cagctacaac 24000  
aaagatgcaa aagagaaaga ggaaggattg tttacaaaac gacagaaatt tacaaaaaag 24060  
aagggtgaag taiggggtggg gtgaccagtt ttcccaaatt gatgagggtc gtcctggatt 24120  
ttaccttttt gatggattat tttggggtaa taatttagat ttcttatcag aagattacga 24180  
ggcctagaac aaaagtgatt tgtaaatitg ttggtgggtt gacagtgggg gaagaattgg 24240  
aaaaataaat agtgattatc atcttagaat tcttaaaaaa acaaaaaaga aaaacatata 24300  
  
tgatctagat gttaaagcaa acacagccct tgaattcaat atcaaggatt gatataaac 24360  
atttgattg tccccctcaa ggggtctgata gaccaaccct ttgcccaact ttaaccacta 24420  
tttccatagg tctagaatcc tctctttcat ccagtctcaa tccccctcta gagatcttac 24480  
tggatgtaca cccaaattag aaaattgttg ggaggatgaa atgagagaat gcttagcttg 24540  
catataggag ttatcaacac atgtagctct gattacttct gtaacttgct ataggaaggt 24600  
gaagaaagca gacgttgagt atattaaaca tatattaggc tctgattgat ttgtatttgc 24660  
ttagatcagt ggctctcaac tggggatgat tctttcttaa gagacacttg gcaatgtctg 24720  
  
gagatgtttt gatcctcatg actagggctg gcaggagag tggtctgggt gggctactgg 24780  
catctagtgt gtaaagggtg ttgctaaaca tctgcagtg cgcaggacgc cccacaaca 24840  
gagaattctc cagtcacagg gtgcagaggt ggggaaacce tgccttagat ggatcttgac 24900  
ttgtttaggc tctgtgtatg aggggaagat ttgctttctt cagtaatta gaatagtac 24960  
taaaagtctt aggttttgat ctctatctct caaagaaaat aatataggat ttaataaaag 25020  
ctactttgat cttagcatct tggcatitaa aaaattacaa tggtagggtc gggcgcggcg 25080  
gctcacgcct gtaatccag cacgttggga ggctgaggcg ggtggatcac gaggtcagga 25140  
  
aatcgagacc atcctggcta acatggtgaa acccgtctc tactaaaaac acaaaaaatt 25200  
agccaggtgt ggtggcgggc gcctgtatgc ccagctactc cgggggctga ggcaggagaa 25260  
tggcgtgaac cggggaggcg gagcttgacg tgagccaaga tggcgccact gcactccagc 25320  
ctggcgaca gagcgagact ctgtctcaaa aaaaatgaaa taaaataaaa aaataaataa 25380  
aaataaaaat aaaaaatta aaatggatg agtcaagttt taattcttta atgaaaaca 25440  
gttattgcta aaaagtctga tgtgtttgct ggtgaaccta aaactgctct aaaaatgta 25500  
ttttttttt aaaaaaacta atgtgaatgg aaaagtgatt atgaccaaca gaggtttgtg 25560  
  
atttatctgt gactcttttc taagtgaata gttatagtca aataagctcc aggaataaaa 25620  
ctcatttcaa ataagattat taaatattt cagttttct aatcactaga ttaacaata 25680  
aaaagatcag atctttcata tctaataatt ttctgcata ttatttgata cttctaata 25740

cagatatatt aaatgtttct agtttctgtg gacataattt tggatgaattc cttttctttt 25800  
 gtatttaaaa attcttaaaa ttgtacatat ttttggggca catttggtgt ttgatccat 25860  
 gtatacaatg tgtaatgac tcatcagagt aattgagata tccatcacct caaacattta 25920  
 tcttttccat gtgctggaca cattacaagt cttgtcttcc agctattttg aaatatacag 25980  
  
 taaattacat ttaactaaca gttatagctg atgaaaatta taatgataaa tttaaaagaa 26040  
 aaaaattcat tgttatttaa tcaggtatgg aaataaaccc cagagctatc atactgttca 26100  
 aggattgcta atctttaata tctaaaacaa actaagagtc tgtattcttt tttttcctct 26160  
 ttatttgaga cagggtctga ctctgtcacc cgggctggag tgcattagtgc cgatcctggc 26220  
 tcgtgcagc ctgcaccccc tgggctcaag caatcgtctc atctcagcct cccaagtacc 26280  
 cagaaccaca ggtgtctgcc cccatagcca gctcattttt aaaatttttg tagagatgga 26340  
 gtctcactgt gttgcctagg ctgatcttaa attcctgggc tcaagtgatt gtcctgtctt 26400  
  
 ggccctccaa agtgcctggga ttatgggcat gagccaccat gcccgaccta agattctgta 26460  
 ttcttaatcc ttttctaca cccactcctg gttctgaact tattttgttg gtcactaac 26520  
 caccttgggc ctgagttac tcagcagagc aatgagattt cagacaaaaa accttcttag 26580  
 ttgttcacaa caccaagatt ctatgttctt gtaaagaatg gtttaagtgtg tatgtgtacc 26640  
 tgagttacgg gggagacctt ttgagtaggg gttactatcc agggctcttg tgagacagga 26700  
 atgtactggg tacttatgcc tctaggaatt acatgtctgg agttcgaggg gacctcaagg 26760  
 ccactaagtc ctctttttgc ttctcctaaa catccgtctt ccccaggact ttctcttttc 26820  
  
 ctttgttctc ctggtgtgtg ttgattgggg gctgttggcc tgagggctat gcttctctgag 26880  
 actctgcccc ggcaggctgt gaggggacct ggcccgatct tgaccccagg gatccttatg 26940  
 ctaggagctg gggtagcttt ggaggctttg gctgtcagca gagatgactc ctgacctaga 27000  
 ccttgaatg agcttgttcc cctgtgaagg atggagataa gtggagttgg agttctcag 27060  
 ggggtgcctaa taacctacct aggataactc agagaagaga gctatggtgg agtgttgaaa 27120  
 tactagccct tgtgaactgt acctactggt atgcatgccc ttacttatgt agtttctttt 27180  
 cacattgctc taggcttggc caaataactt gcttttgtca attggacatt agtaaacatg 27240  
  
 atacaggctg aagtttgata aactcttgag tttaggcctt gccctcttgg aattctaaaa 27300  
 cgatgcaaag agaaaccagg gaaacagcat caacagccag gcaggtgagc ctggtcatac 27360  
 tagaccatcc catgccagct gagctatcag atgactgtgg acatgaatgt ccctagccaa 27420  
 gacagcaaaa gaacagctca gctgagccca gcccacaaatg gctgaccac aaaacatggc 27480  
 tcctgttatg ggagccacaa taaatgcctt ggggtggtttg ctgtaacgaa attggttaact 27540  
 gatatgagct gactgctatt tagccatttg cttatgagat ctgaatgact gagaaaaatca 27600

gctcagccct gtcaccctcc ccctggcagt gcctcttggt tgctgtcttt atatcttctc 27660  
  
 ttctgtgctc tcagaatgcc ctgtgcccac tgctcattat actgcatcaa ttgtttcatt 27720  
 catttctttt tctttttttt ttcttttttg agacagagtc tccctctgtt gcccaggctg 27780  
 gagtgcagca gtaagatctt ggctcactgc aacctctgcc tcccagattc aagtgtattc 27840  
 cctgcctcgg cctcctgagt agctgggatt gcaggctggt gccacgacac ccggttaatt 27900  
 ttgttatatt tagtagagac aggggtttacc atgttggtca ggctgggtctc gaactcctga 27960  
 cctcgtgac cgccccctc ggcatcccca agtgcctgaga ttacaggtgt gagccaccgc 28020  
 gcccggcctg ttaattcatt tctctctgac ctgagcacct tttctttcag tttagtacct 28080  
  
 ccagggtcga ggacagagac ttgtaaaatg ttggtgcccac atggacacat ggagaaagaa 28140  
 ggtatgaagc ccggccattc gtctgtatta tagaaaacgc tgaaggcttc ccaaggcacc 28200  
 agcttgctat gtagctgacg ggccaccaag gcaagggtgtg ggagtattct gcagctagtc 28260  
 atggcagcca gtcaggacc tcttaactct gctcctcacg caacttccat cctgctgcag 28320  
 tgtccaccag ctcttgaatt taaagtcttt gaaatgtaca tcctgagctg gggtccttg 28380  
 ctcaggtcat ggtcctttct gatgaccgc catttggtct ctcacttggg acctttctgc 28440  
 agcaaagccc tggctccatc ctctgtccct acccctcct attccccgc cctctctctc 28500  
  
 ctggcctctg agattcgggtg agggattgtt taggtacaaa gtccattgga agccacatta 28560  
 agtgacttaa ttatcagaag aggagcgtat tggaatgagg gacaaggatga cagctactgt 28620  
 gtgcacaaag actcagtcct ttttcgtttg tcttttttgc tttttcttc tgtgccatga 28680  
 caaaaagctt actcttgta agttgcttta ttggaatatg agcctaaaat aatatcacta 28740  
 aaaaaaata tcaacttggga aatagattcc gaagaaaggt tcaaacatcat aaatggtcat 28800  
 agaattgttc taatgtttta tatcggaact ccacattttg gcatttgtct ctgaaggagg 28860  
 caattgtttt acattcagcc aggtgaaaaa tgtctgcaag ctgatggaat ccttctggaa 28920  
  
 catcaaagga tgggaatctg gcttcatttg tactaacatc atttattatc ttttcttcag 28980  
 attttaagtt ataaaaatc catgaattaa tgatctctct gaggtatga gaaatttgca 29040  
 tggacaattc agctgaagaa ggcagtaatt tacacacatg cacacatgaa taatcccaac 29100  
 aaagtaagcg aagccaaaca aacgtgtttt gtttcatacc ttgaagttct ttgatttgag 29160  
 gtctgtagaa ctaaaaggaa gacagtgttt taaatgtgtt tttcaaagaa gagtcttctc 29220  
 ttttaacca attctaattc aattctgtta gaattttaat tgttccttga atctttaagg 29280  
 agactgggtt taccattatt catttgaacc aggggttcaaa aggggttctgt tgattaaaat 29340

aacaattttc gtcacataaa ttagaccatt tactagccag agctatcatt tatcaaacad 29400  
tactgtaagc tctgtaagct cagcacaggc taagcacttc aaatacatgg tticatttaa 29460  
taatcccaat aatttgactt aagtacatat taatatcctc ttctcagaga taaggaatca 29520  
ggatgagagg ttcagcaatt tgcccagggt catttagaaa gcaggagcag agctaggatt 29580  
tataaccagc ttgcgtgaac tcaaagttca ttcttttaac tcctgttgcc ttggaacatt 29640  
accgttgaca atatttgga aatgtgtcat ctctgttgc aagggacaaa tatgcagttt 29700  
aaggaatagg catcaggctt ttagaataac tgactttaca ttttagactt gtccttctct 29760  
  
gtccttgggt gggacccatg aagtaatgct gctttgacat ctgcggcgga gaaagccact 29820  
gtccactcaa aattcatggg cccttccatg gtacaggatg cttcttgaga agcagctgct 29880  
tagccaggga tgttacttag ttccacctat gaatggaaat gatgttggcg gcaccaggc 29940  
agaggtggct aagcagtga tgtgtcttcc ttacctgccc ttggggagtg acacccagg 30000  
agagctggac actgcctgtg ggaaaagggt agagcctact cctgtccaga cctccctcca 30060  
ggccttctc ctccactcca accagagcga acacactgaa gtgttaagt agtgagagct 30120  
acatttttat tgtaagccg ttggagtgtt ggggtttctt tgtaataca gcagtttagca 30180  
  
ttaccctaac caaaaataga gcttcttta acttcccttt aggggaagt agtggtatga 30240  
acagctgaaa agagggtagt gggcctcttc accagagtgg atttcccagt taggcagtta 30300  
ctacatccta tgcctgatgt cacatgttta gaatatgggc ctggggggat gagagaagag 30360  
ggcaggtggg tgctcaaggt gaggttggg ggagaaactg aggttgagaa tggctctct 30420  
ttagcccagg tggtagattt tcaattatag gaaacttta ggagacggtg gtagataact 30480  
taagagaaag aaaaatgcga accgacatgg atgtgttta aatgagttag caggctgagg 30540  
tgggtggatc acctgaggtt gggagttaa gaccagcctg accaaccatg agaaacctgt 30600  
  
ctctactaaa aatacaaaa tagccgggca tgggtggcaca tgctgtaat cccagctatt 30660  
cgggaggctg aggcaggaga atcacatgaa cctgggaggc agaggttgcg gtgggccgaa 30720  
atcgcgccat tgcactccag cctggaaaaa aaaaaatcca tctcaagaaa aaaaaaaaaa 30780  
aaaatgagt agcagaagtt ccccgaatga gcaccttct gaggagattt aacttgatgt 30840  
ctgatcagtt taacacaagg cacattgtc ttgtgtctt caaaaatctt gggctgtctt 30900  
ctgcaagaa aaagattaaa gcacatctt ttttttccct cttctataaa gtctcatgtt 30960  
acgtccctat tttagcttt tcaaggcact aagattattg aatattgatt tgggttaaaaa 31020  
  
tggaagacag ctctttctgt ttataccctg cagttcatcc tcctgtgtt ccccatca 31080  
cttctatgca ctttctgaaa atcagtttaa ttaaaaatgt catgcatggt ttattgaatt 31140  
tcatctgaag aataagcgt aacaaaaat gtttggctt ataaccaagt aatagatat 31200

ttggatacta ggatgggga gaaataaaac taattgttta aacctcagtt aatgagaaca 31260  
 tactgttttg ccagtgcagt gttgggaaag aaagcatctt tatttgataa tggaaaatat 31320  
 taataattac ttaaagcact ttgttgaagt aactgtatga gagctacatg tttcttgttg 31380  
 gtagccatca ctctttgtaa caattgtttt aataccagag ctctttcaga gagtaataac 31440  
  
 agaagtatac cttttactat tgttaccaga aaggggtccc gatcaagaca ccaaagaag 31500  
 gttcttggac ctctgcaag aaagaatttg gggcaagtcc ataaagtga agcaagtta 31560  
 ttaagaaagc aaaagaaagg ggctgggcgc agtggctcac gcctataatc ccagcacttt 31620  
 gggaggccgc ggtgggtaga acacagagtc aggagttaa gaccagcctg agcaagatgg 31680  
 tgaaaccccg tcttactaa agattaaaaa aaaaaaaaaat tagctgggtg gcaggcgtct 31740  
 gtaatccag ctactcggga ggctgaggca gacaattgct tgaacctggg tggcggaggt 31800  
 tgcagtgagc cgagatcatg cctttccact ccagcctggg tgacagagcg agactctatc 31860  
  
 tcaaaaaaaaa aaaaaaaaaa aaggtaaaag aataaaagaa tgcctactcc ataggcagag 31920  
 cagcagcatg ggctgcttga ctgagagtaa acttatatct tgattatata ctaaacaag 31980  
 ggtgaattat tcatgaattt tctgggaaag ggggtgggcaa ttcctgaac tgagggttcc 32040  
 tcctcttttt agaccatgta gggtaaacig tcatgatact ggtgggagtg tcttttagca 32100  
 tgctaagca ttataatcag tgtataatga gcactgagaa caatcagaga tcactttcat 32160  
 tgccattttg gttttgggtg gttttggccg gtttctttac cgaatcctgt tttctcatca 32220  
 aggtcgttgt gacctgtatc ttctgtgtc ccctatctc atcctgtgac taagaatgcc 32280  
  
 taacctctg ggaatgcagc ccattaggtc tcagcctcat tttaccagc acctattcaa 32340  
 gatggagtca ctctggttca aacacctctg acactatgca gttcataca acagtttagt 32400  
 ttaatgcaaa cagtacgtg ctgctgatca cagaaataag tccctgaaat ttgaatcagt 32460  
 ctaggggaga aaattcttct ttggatttaa gagagtccag tcttttccca gtagacaaga 32520  
 acaaggaaga tagctacagg cagccatctc tctatcagga ggaaaatcaa cttaaaaga 32580  
 aaggcaataa tagaatgtgg tacatatact gaagaaggaa tttatgaatt ttacaagtac 32640  
 aatcaaagac aaccaagaaa tttttacttt ttccttcaaa agctaagtg agtgtacca 32700  
  
 ccccaaccc cgtagtctaa gttagagaag aatactgcct gcctgttttt cttccgtgc 32760  
 tcagtgagcc ttaccatac tcccagttt cacattcctt gaggtcagtg agtttctgc 32820  
 gtcacctgcc tagcacagct gtaaagtac aagggtgata cagaacatg gtttctaag 32880  
 gatgtagaac atatagtata gataaatgta aaagactgat caccgggtgc ggtggctcac 32940  
 gcctgtaatc ccagcacttt gggaggctga agtgggcgga tcacgaggtc aggaaatcga 33000  
 gaccatcctg gtaaacacgg cgaaaccccg tctgtactaa aaatacaaaa aattagccag 33060

acatggtggc gggtagcctgt agtcccagct actcgggagg ctgagacagg agaatggcat 33120  
  
 gaaccagga ggtggagctt gcagttagct gagaccgcgc tactgcactc cagcctgggc 33180  
 aacagagcga gactccgtct caaaaaaag actgatcaac tgcctttgtt ctgccttctg 33240  
 taagtatgct tctgcatca ccactgactg cttaaaaggt ggctgcttcc tttgtccggg 33300  
 gctcagactt tctggatgc tagtctact aagccaggtg atcacctttt aataaagacc 33360  
 tttcctgaac tcaactctct cagtctctcc tatctctgat tatcccgcca cagtacacca 33420  
 tggcatacta tacagtcaca aaaaagaatg agatcatgtc ctttgcagga atatggatgg 33480  
 agctagaggc cattatcctt agcaaaactaa cacaggaaaa gaaaacctaata tactgcattt 33540  
  
 tctcacttat aagtgggagc taaatgatga gaacacatgg acacagagag gaacacacac 33600  
 tagggcctat cagaggatgg aggggtgggga gagggaaaga gagagagaga gagaaaaaaa 33660  
 aaggaagcca gtagggttta tagcagagag gagaatttgc tttatcagac cttgtcgact 33720  
 gttgacattt tgggccaggt aattctttgt gatgggtctg tctggtgcat tgaagatgt 33780  
 tcagcagcat cctgcccctc tttccaatat atgctagtag cacgcccccc aacctcagtc 33840  
 atgacaatca aaaaatgtctc tagacaggca gggcacggtg gctcacgcct gtaatcccag 33900  
 cactttggga ggccaaggcg ggcagatcac aaggtcagga gatcgagacc atcctggcta 33960  
  
 acacggtgaa acccgtctc tactaaaaat acaaaaaaaaa ttagccaggt gtggtggcgg 34020  
 gcgcctgtag tcccagctac tcggaaggct gaggcaggag aatggtgtga acccgagagg 34080  
 cagagcttgc agtgagccga gattgcgcca ctgcactcca gcctggcgga cagagcgaga 34140  
 ctctctctct caaaaaaaaa aaaaaaaaaa aacaatctcc agacattgac aaatgtcttc 34200  
 tgcagggccca agctgttcta aagcagtgtc gtagtaataa aacatcagcc acatctgtaa 34260  
 ttaaaatttt tttgtagcca cataaaatta aaaaaggatga aattcaagca atttctttta 34320  
 tttaatattt aaaaatgataa tttcagctac aattattgag gtattttaca ttcacttttg 34380  
  
 cgtacaaagt ctctgaaatc tagtcagtat tgcatacttc aagcatatct gaactctcac 34440  
 tagccgtgtt tcaagtgttc aatagccaca tgtggttaaa gcaaccacat tagacagaaa 34500  
 agctctaaag ccagcaacac agggacttac catgcctttt atcttacagt tgagtccata 34560  
 aacgtccttt tttttttttt tttttttttt taaggacgat tttggtgtga tcgtctgttc 34620  
 ctgttccctg tggtgaaaag tatectaata caagctaca cgggtgttcc tgataattaa 34680  
 ggtattaaaa acctctagtg gacatctttg ctacatttcc ttattataca agcatcattg 34740  
 tctaatagtg gctgtagcat tccttgtatg gctctaagga gttgcttctg tttagacagc 34800

agggataacct gcttgcattgc ccagtgccttg cagacatggc tttttcatga aggcttttct 34860  
 tgtccatgag ccatgcttga ttctcattgc attttcttga gtcctttggt catgaacttt 34920  
 attgtctgac tgctaagccc tggcctccct ctccccata tgcagtagct ctttgcttgt 34980  
 gtgcaagtac ctigggctaa gcatgtttca gggtaggcagg aatagcagag gtaaaggaga 35040  
 gatgggctct gtcatcaagg tgagtgcagca gaagaatcaa ggcacctttc ttgactacag 35100  
 ctgggaattg cagtaaaacc aaaggaggac attcttgagc aattgtcaaa atcagaaaca 35160  
 gaaatttaca aggaagtgtt ttccaggagat tttttttgtt tccagatgca gcaggcttgc 35220  
  
 tgattgaaaa catttgggtc ttgaaacca ggtttttact ctgagaacga gaaatgtcag 35280  
 aaaatcccat agtatgatcc tctttccac tttatagatg agaaaactaa attatagaga 35340  
 ggctagaaaa cgagcccaag tctatgcagt gttagtaaca catggaggaa cataacctgt 35400  
 tctctggct aaccaaata ttcacctca aagtgtgcc tctatata tttggtttgt 35460  
 tttgagatag tctcactctg ttgccaggc tggagtgcag tgggtctatc tcagctcact 35520  
 gcagcctcca tctccgggt tcaagcaatt ctccctgcct cagcctctca agtagctggg 35580  
 gtgagcagggt tgtgctacca tgctggcta attttgtat ttttagtaga gatgggggtt 35640  
  
 caccatgttg gccaggctgg tctcgaactc ctgatctcag gtgatccacc tgcctcggcc 35700  
 tcacaaagtg ctgggattac aggcattgagc caccacactc ggccacctgc ctctatatt 35760  
 tatttagagt ttattcaaat aaattctaca acaccctta ccaaagtgtt tttatcttta 35820  
 gttacttaaa gattttcttt tgaaatata tttgatatac atgaaagtg caaaaatagt 35880  
 gcagagaacc tccatgtacc ctgcaccag ctccccagt gataagatat tgcattagtc 35940  
 tggctgggcg cggtagctca cgcctgtaat ccagcattt tgggaggccg aggtgggcag 36000  
 ataagaggt caggagatcg aggcattcct ggtaacacag tgaaccccg tctctactaa 36060  
  
 aaatacaaaa aaaatttgcg ggacgtggtg gcaggcacct gtagtcccag ctactcgga 36120  
 ggctgaggca ggagaatttg ttgaacctgg gaggtggagg ttgcagtgcg ccaggatcgc 36180  
 gccattgcac tctagcctgg gcgacagagt gactctctgt ctcaaaaaa caaaaaccga 36240  
 caaaaaaac accccttcgg gcttcaggca gaatcgagaa gcatgagaaa gctgccttg 36300  
 ttggctggct ctgcttttt ggtgctccc ttgtccctg accccacata gggattcctt 36360  
 tgtgccttct cttcttctt cttctttgc ctctctctc ccgggtttca aggttcaat 36420  
 cacacatgct gttttctgtg caagtcattc agacccttc cttgccagg tgaggtgga 36480  
  
 ttaatgagac aagtgaatcc ctcaattttg aaataaattt ggcagattat cccaagaca 36540  
 tgctgtgact gtcacctact ctttactttt ctttaggaat gaagtcatta cagcctgaca 36600  
 gtgaatgggt ggtatttctg ggatgctgtg ggaggcatat ggatgatatt cttttcattt 36660

gaattatgta aaatacctct cattattaat ggatgccaac tgatcagggt tctcctgctg 36720  
atggttctgt tggatgtcta ggatgtgtgt gtgtgtgcgt ctaggatgtg tgtgtgtgtg 36780  
catgtgtgag tgtgtttgtg cgtgtgttta ctgggtgggc ctgggtgggt gcgaggcaac 36840  
tagatgcttc atgagaaata taatgagact gtttatcttt agtttccatg ttcagggaag 36900

ttgtctgttt caagttaaag gataaatgct cagggtcaagc taatcccaat ctttttcttt 36960  
tttttttttt tctggggcat tctatttcag ttcaatcacc attccttttg aattcattct 37020  
gttttactaa aaagaaaatg ctccacaactc ttcagtcctt attggggaag gttttcctcc 37080  
aggcatgaag gggggctaag ggtaagggtg ttgaagtcga aagatcagca ccatctcaca 37140  
gtccagaagc acagaggagc aaggaatggc ctccctggct ttatcctaac tcctgaataa 37200  
acttttctta gggctcttgt gtgtttgtgt gaactggaat tccagctctg ccatagcccc 37260  
tgccccaga gcacaggagc aatggaaagg cagtgaatga tagagctgct tcttagggca 37320

gattctgatt tctttctgtg aaggctgccc tgaaattcaa agaagcatta ttatttcacc 37380  
caatttaaaa cctgcctga tgctgaatgg gcaagaacct aatttcacct ttggaggcaa 37440  
atgggaagct ttttgtctg aaagaaagaa gaaaagagga ttctggagga taattgaatg 37500  
aaaatccctt taagggtcca gaaaacttcg cccttccaaa agggatgaaa cgagggtcaa 37560  
atatatttgt taaaagtgtg gggcttgaaa gccttaatta tttctttgga aagtcgtgtc 37620  
ttttaagac ttaaacaaaa gcttcaagaa ggcaggagct gggagaaatt gccgatggct 37680  
ttagagaagg tgaagcccaa aggaagcaa ttactggtga acaatggtat attaacaacg 37740

attattcttc cagattgggg gacctacat tggggttggg atgtgattta ggaagattgc 37800  
ctggtggtcc tgcccaggtc ttgcccag aagatgcggg atggaggagt gacacggtca 37860  
gacgtgactg aacaggctgg aagggaagct aggttggtctg attaaggaag ggaagaaatc 37920  
atccttattt catatattct acagaaaata ttatttctct tggggcagaa tgggtgggctg 37980  
ctgtagttaa tgctgtctgg atttagacag atgggtattc ttaatctcca atccctcact 38040  
tactagcctc aacaccttag gcacagtcct ttatcctct cttctcacc tgtaaaatgg 38100  
ggaaaaaatt cctgccaca gatggtgaaa actaaatcag gctatcctgg gcctgataca 38160

cagcagatgc tccatagggtg tgggttctct ggatctcttg ttctctctct gcttggtttg 38220  
atttctggac aagtccctg tggcatttta ggtgcttgc tttgaatttt ctgtgtcaca 38280  
gtgaagtcca ctcccagtc tccgtttggc catctgctgt tgattgccag gggcagtcac 38340  
actctcttca tctgttctt cagaccagg gctacctctg caccagctct ctttggggga 38400  
gtttctaaat agcagaggat ccagaatcat tcctaagatt aacaaaatag ctgggcacag 38460  
tggtcatgc ctttaatcca aggaggaggc caaggcgggc agatcacaag gtcaagagat 38520

tgagaccatc ctggccaaca tggtgaaacc ctgtctctac taaaaataca aaaaattagc 38580  
  
 tgggtgtggt ggtgcacacc tgtagtccca gctactcagg aggctgaggc aggagaatca 38640  
 agagggttag gttgcagtga gccgctatcg tgcctactgca ctccaggctg gcgacagagc 38700  
 aagactacat ctcaaaaaa aaaaaaaaaa aaaagattaa caaaatattg gaaagagctt 38760  
 gcattctcgc ttcttcatg ttctgtgagt tgcaggcagt atttccctct gccctgcaga 38820  
 ggagggtgcag gtgaattggt taaaacaatc cattttgccc ctttgattg ttttgtgtca 38880  
 tgcaaacctc cccttgactg ttccagtttg catatttatt ctgttctgag attcaaccaa 38940  
 gagctcttcc tggttcccaa tcaattgctt ttcctagcag gaactgacaa tccagcagaa 39000  
  
 accgccccctc agttccctcc ccacctcttg tcttgattga cataaccctc tcagacccca 39060  
 aaccagtga gttgtgtggg tctcctggcc aacctaactg tagattaata atggacagtc 39120  
 aggtctgttg gtggtgagga gttggggagt cctttctcaa ggagcccaga gacctctttg 39180  
 gaaagattac caaaccttgt taaaaacaga catccttggg gccagacacg gtggctcacg 39240  
 cctgtaatcc cagcactttg ggaggctgag gcagggtgat catgaggtca ggagatcgag 39300  
 accatcctgg ccaacatggt gaaaccctgt ctctactaaa aatacaaaaa atttagctgg 39360  
 gcgtggtggc aagcacctgt agtcccagct acttgagagg ctgaggcagg agaatggcac 39420  
  
 gaacctggga ggcggagctt gcagtgaggc gagatcgtgc cactgcactc cagcctgggt 39480  
 gacagagcaa gactctgtct caaaaaagaa aaaacaccct tggggttgtc aaattagtga 39540  
 atgtaaagat ttccaagggt ttcaaaagag tggcctgccca gccagctttt gaggaactg 39600  
 ttaattcaga ggcaggagcc tctatctggt ttgctggttg ggaaaaagt tctatagcac 39660  
 ttgtaggctt tgcaggcatt ggtcctcttt gtctccctt aggaagtcaa atagagtctt 39720  
 tctggcaaga attgggcaag aaatagcaac cgtttctac tttctcaatt ggtccagtaa 39780  
 agggggcttc ctgggtgatg tgatttttag ctatttggg gacgtatgc acgttatcag 39840  
  
 aaatatgaac acagaacttg tctagtga tacgctagat ttcatagtaa ttaggtgttg 39900  
 ggcattttga cagagagaag aaagggtgtt agaatagtgg caacagcagc ttgaatttct 39960  
 aattatgttt ccccttttgg ggcccagggtg atacacgtct tcaatttctt gccttatcct 40020  
 ttttttcta aattggtaga actcagttcc ttaggcagat gggagcactt ttaagaaga 40080  
 tggaaatttc taacaaccag agctatctca aaagtcataa gcttctgcc cctggaaatg 40140  
 tgcaagccat gtctgtctgc agagctgaaa ttcttgtgtt ctgaggagc tgggcaaatg 40200  
 ctaagatgga ggttctgaaa tctgattact gcaccaatca ccatgggaga gagttagtga 40260

tatatctact cccagaccgc gaactacaca gaatcaagat ctattaaggt ggggcccag 40320  
aatttacatt gttaaccct ctccagggtga atcgcccgtg catattgtct taaattccct 40380  
tttaatctga gatcctaata ataccaaat tggactgaaa ctaaagcttg ggctaaagct 40440  
ttctaggaat gctcatcacc tgcgatgtcg gaactgtctt ctaggtgagc tctggggttt 40500  
cccttgagtg tgcaaggccc ttctccttgc tcccagcctt ctctctttt ctttgtctcc 40560  
tcttcccttt ctgcacttcc ttttccttgt ctctctctcc ttttgtctct ctagggtcag 40620  
tttttctgcg tgttttcctg actagggtccc cactgcatta gtgacatcaa ccaccctga 40680

ccctacacat ctgtaggtgt gaaaccttgt gtgcagaatt tccacgcagc tctcatcggc 40740  
ctgacccac ccaagatagc tgggtagccc cttgggtgga gacaaaaacc agcccagtg 40800  
gaaagctgc tggggtgggc tggcatgcat ctgaggtttc ctttaaagct agagagaaaa 40860  
gggctagctt ctttttagaa gtctcttga gctctagtgt ctgtgtaaat cagcgtaaaa 40920  
cactctagaa tcagaaaggc cgtgtgtgtt attttctccg agagctttaa atacaggatg 40980  
gtttggccac agacttagtc ataaaatgaa ggctccacag aggtcgacac aggtgaactt 41040  
gagtgtgat ctggggcagg aaatcaagat gctttgtgt tagaaacaaa tccactaatg 41100

ttatttccat taactaatca attacttgat taactcatgt gttcatcata cacttattga 41160  
gtgcctacta aatgccaaat accagctgag gactaggagg agagagaaaa catctgctct 41220  
caaagatgca agccttgcaa aggggaaaaa aaaacagatg agcagacaat tccgaggtgc 41280  
agagaatgtg gagattgtat cactgaattc aaaaagcaca gacctgacc agtctggggg 41340  
ttgtggtgtg gaggacagtt gtctgtctta aagccaatcc tcagggttg gtcatgcacg 41400  
gcactgtctg tggcccttgc ctgaatgaac catacatgac acagcaaggt ccctactcaa 41460  
acaacagcag cagcaactta gcaattatat gaatatgttg cctccaaaat gatagatttt 41520

tcttttcttt tttttttttt tgagacagag tctcgctctg tcaccaggc tggagtgcag 41580  
tggcgtgac ttggctcact gcaagctccg cctcctgggt tcacgccatt ctctgcctc 41640  
agcctcccga gtagctggga ctacaggtgc ccgccaccac acccggttaa tttttttgta 41700  
tttttttagta gagatgggtt ttcagcttgt tagctgggat ggtctcgatc tctgacctt 41760  
gtgatccacc cgctcggcc tcccaaagtc ctgggattat aggcgtgagc cactgcaccc 41820  
ggccccaat gatggatttt tctaaaacaa cactgagtag ctgtgtgta ttgtaaaagg 41880  
accagagaat ttgaagttag acctatttga cctttgcaa ctgaggggtc ttaggaaatt 41940

cactttatct tctgttgtc aattgtccta cctgagaaac aaggattcct cagggttgaa 42000  
agtctaaata aaggaaagga aaggaaattg cctggcgtgg gtggtacata tgagacactc 42060  
aagaaaggat gtttacattt ttggccgggc gtggtggctc acgcctgtaa tcccagcact 42120

ttgggaggtg gagcgggcg gatcacgagc tcgggagatc cagaccatcc tggctaacag 42180  
 ggcaaaaccc agtctctact aaaaaataca aaaaaattag ccaggcgtgg tggcgggcgc 42240  
 ctgtagtcc agctgctcgg gaggtgagg caggagaatg gcgtgaaccc gggaggcgga 42300  
 gcttgagtg agccgagatc gcgccactgc actccagcct gggcgacaga gcgagactcc 42360  
  
 gtctcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaggatat ttacattttt aaatagtaaa 42420  
 aaatagatat cactaaatat cacaggccgg gcacggtggc tcatgtctgt aatcccagca 42480  
 ctttgggagg tcgaggcggg cgggtcaciaa ggtcaggaga tcgagaccat cctggctaac 42540  
 aaggtgaaac cccgtctcta ctaaaaatac aaaaaatta gccgggcgtg gtggcgggcg 42600  
 cctgtagtcc cagctactgc ggaggctgag gcaggagaat ggctgaacc cgggaagtgg 42660  
 agcttgagtg gagccgagat tgcgccactg cactccagcc tggcgacag agcgagactc 42720  
 cgtctcaaaa ggaaaacgaa aaatagatac cacaactcaa aattctagat tgcataagca 42780  
  
 gaactggctt tgccaaaaat tgaaatggga aataaattgg cacaggctat caataattca 42840  
 acaagtaaat taaatttaaa atctgcattt cctggaccgg gcgcggtggc tcacgcctat 42900  
 aatcgacga ctttgggagg ccgaggcggg cggatcacga ggtcaggaga tcaagaccat 42960  
 cctggctaac gcgtgaaac cccgcctcta ctaaaaatac aaaaaatta gcaggcatg 43020  
 gtggcgggcg cctactgtag tcccagctgc tcgggaggct gaggcaggag aatggcgtga 43080  
 acccgggagg tggagcttgc agtgagccga gatcgccca cagcactcca gcctgggaga 43140  
 cagaaggaaa ctccatctca aaacaacaa aaaaaaaaaa caaaaaaact gcatttcctg 43200  
  
 gataacatgg acaacagaac aaatagtttt ggtgacttct ggaacaatca acatccagtg 43260  
 cagtctcaga ggctctgga gtgctggaac catcgagggc agctatgaac aatgtgctat 43320  
 cacttctctc atctctcat gacaaggtag atgtgaaaac aagtcttgcc atcagtaagg 43380  
 tcccgtaaac ttagagtgtt attggttacc atcagcagaa caatggacag gaaatgcatt 43440  
 tctttctttt tctgtcattt tactcaataa gaatttggaa gctgctcagt aaaggctcct 43500  
 gagcaattta gctgttggtg tggccctgct aaaaacgaac caagctggca aaggataggg 43560  
 ctatacaatg ttcatggcat ttcatggtt cttcaagggt aagtgaatcg ggatttggtt 43620  
  
 gtctaggaat gacagtaatt tatgttgact gttgtgtggt ttctgtgtgg ctgggctaac 43680  
 agcactctct gggatgatgg gacataagtg cgtaatgaat tggttgccac actaaactct 43740  
 acagtggaat gaaaactccc tggttgtctg tcacacaccc aggagtgcag gagaagaaga 43800  
 ccgggagaag agagataggc agagatgatt tatcattgca atgtcatggg gagattggca 43860  
 taagcctttg ggttcaactga actggtccac aggagagagc caactttcga atttactctt 43920  
 ttagcaccaa ctttaatgaa cgggctttta agggtagtg cctttgaggg aggagtgcc 43980

caggatatcta tacgaaggat gtggatgtgg caagggaatt gccttgggcg tgtaggatac 44040

acacaggctc acgtggtaga acagtactcg cttccaagat ggcagcttgg gctctgtatt 44100

aactctgatg gcatgttgac aacaggteet cattcacttc agtggggcaa aaacaagggg 44160

ctcggttctt aaagttacat aaaaacaaga gcagtgatac ggtgcagtga gctctgatta 44220

gtttgtctagg gctgccataa caaaatacca cggaccgagt ggcctaacca acagaagttt 44280

atcttctcac gattctcgag gctggggagtc caagatgggg gtgcgggttg gctctgatttc 44340

tcctgaggcc tcctccttg gtttcagat gaccaccttc tcaccgcac tgacacacga 44400

ttcttctctg tgcacacaca ttctgggttg tctgttcttc ttctataagg acacaagtc 44460

cgttggatta tgagttgcac cttatgagc tcatttaagc ttaattgtgt ctttaagac 44520

cttgtctcta aatgcagtc ctttgagat tagagcttca acatatgaat ctgcaagga 44580

cacaattcag ccataacag attctcaaaa gattgtctgc acaaaggttt ctccagtatg 44640

tgataagatt ttctgtagt catgacaaaa tgagcagaat aggtacctgg ccctttcttc 44700

agttgagctt aactaacct aacctctcc tacacttcca ttctaatga catacttct 44760

ctaatagatt tctttctgcc aaaattcaaa tgcctgcac acaccaagat tcaaatagtc 44820

tatgtctgcc aaactctgt catgccttc tcacctgc tctcacacag tgtaggtagg 44880

gagagagcaa acacacatgc acagacacat acacatgcac acatgcatgc acatacagta 44940

tgcatgtaca catacgcaca cgtacgcaca tgcacacaca cacactcctt tctcagtaag 45000

ggcagtgact tagttacctt ttttggtgcc aacgcgtctt tctttgaatg ctggtgacag 45060

tggatggcag tgtccgattg tacatgaggc ttctccctaa gtgcttttaa tgaggcacc 45120

agaggcttca gagaaaagag gactttttta gggttcagtg aggagagac atgggggttg 45180

catcactacc aagcttcagc catcagaagg aagccaacct acggtacctg gcctgaagac 45240

tctcatttgg atttgctag ggtccagcac cccccaggac ccatggcttg gtcttcaga 45300

gacaaaaggc tggagtaaa gactgataca gctgttttcg ctaaaaaact caataagctt 45360

tggagcacia ttgtgtgtt ttgatagt tccagcagca ttttgcata aaagaagagg 45420

ggacaatttc ttttacttag ccaaccaggt gaaggagtgc agtagagac gtccaccca 45480

gtgcaattgg cagtgtggc tggtaggcct ggtgggtccc agcaggaat gcatccacta 45540

tggatgatga ggaagcacta gtactgggca ggagtgttc atctgtgtc agtgggtgca 45600

gggcaagatc caagggaagt ggcctggctt gcagtgttg ctgcccttg acactcctga 45660

agaggttaagg acgtgtcag ccacgtgctt tattagggga ggatacatga taggtttctt 45720

gggcctccct aaaacagtig ggtcaagctg ggagtcccca gcatacacg tttagtagg 45780  
 aaaaaatagc taaatatggc ctgttatttt tgacatgtgc atattttata tgcagggtt 45840  
 gtgtggtctt tggaaagtga taggtacaaa agaatacatt tctctcatca tcactaatct 45900  
 ggggttcattg gaggaggatga gatttcagga ggtttttgga tgatggcaaa gctgtatggg 45960  
 ctagcagaag aaaggcattc gggactccaa gcgtgttcta gagagtgcaa ctttttcag 46020  
 ccacacctct gcagtctcaa gctctgtggt gatcctgact gcatttctct gtattgttca 46080  
 ttttgagtc ccttagagat gattcagtta aaacgaggac atcctgtgtt catccttgg 46140  
  
 ctttggggat ttggtgggtc aacaggtaga agtgtcact cttctatttc ccagtcttg 46200  
 ggatagcgaa tcacgaatat attcactcct tccgtgccct ttcttgggaa gccatggagt 46260  
 ttcacactaa tagcagctgc tgtctgtcat ttaccgtca cgtggacagt atctttaatt 46320  
 gagacagcta cccagtgttc ttttagaatg aggttgaagt caaagatttc tgactgtttc 46380  
 tctattaaga accatttcatt tcaagattat ttgcctgttg gtcctgtgtt tagaaacact 46440  
 tttgttcgt aaacacagca gttggctaag taatcattac tttccttttt atttagtaaa 46500  
 tgatgcgctt attctctgca aggctctggt ctttgtgatt ttgccagtga tctcaggttg 46560  
  
 tgtcaattct gtgctggacc aaggcagaga aatgtgatga ttcagccagc ctgggccatc 46620  
 ccctatgagc cgggtgcatgg gttttattag cgtttttgga atgctgaaag gacttacgag 46680  
 cattgtcttc ctttaagga gctctgaggc cttagacca cagaatggga accattcctt 46740  
 gaatgttttt gaagttgttc tgctgtgtgg tctgagttag ggagaggaca aagaatagag 46800  
 aagcatctgt gtatcccttt tggggcctgc catggtggag taccttcgtg gcatactcgt 46860  
 ggcatcgcca aaatatttgg gggcttgggt ggacgcctg ccgatcttgg cttgaaccc 46920  
 acttacagt catgagggtg cagtggctgc tccttgtgta cagacacggg tactctgtc 46980  
  
 cttctctac caggacact gtgagccggg tgagggcgga ggcagatgga ggaggaaag 47040  
 aagcaaagtc aggcgggaga ggcagcaaga caggcatgt gaggagcaaa gccccgagcg 47100  
 ggtgccaggg agaaagaaga aagactttca tctgacatt gttttcaat aattgcagtt 47160  
 actgagaaag aaaccacagc tgatgacagc aaattattga gccgtgaga ttcagaaatg 47220  
 cgtgtaatga gcgaagaaag ctgtgtgag ccacaccaga gagagggaga gacagagaaa 47280  
 ggagagaaag aagtggggag ggaggagga gagaagagag ggaggagcg agagagagag 47340  
 agagagagag agagagaatt ccagtggggg aggtacttgc tactgaagtg ttcattctc 47400  
  
 cttgtgttag accagagtc ttatacttt tctttgctt tctctctac ttttgggaaa 47460  
 acaaagtta tataaacgcc gggcaaagg atgattcata acccaggtgg gttggagcag 47520  
 gacagcaaga gatttcacg cactactcag aacagcatc aatttaaac ttaggaaata 47580

tttttttcct gaaatttttc agttaataatt tttggattgc ggttgaccgc aggtgactca 47640  
 aactacagaa agtgaaccg tgtataatga aaagatggag gactactata tatctataga 47700  
 tctatatcta tagctatacc tatgtatcta tctatctaca caattacagg acaaaatata 47760  
 tggcttgtgt ttcattggtt acacagggtga tttattgcag ctgtgacaat tccagtacat 47820  
  
 gtcccgagct tgtgaaattc ctgttgtttg cctccatggc ggttgggagg tgggagcacg 47880  
 tgtcctcccc agccttgttc catgccccgc tcattgcttc tgtttgtgga agagcagggt 47940  
 ggcttgtcag gaacaagcag ctccacttcc tgggtcacat gctacacagc caatgactct 48000  
 catacagcag gtgccctgat cgctcgctag agagctgctg gatccccaat ctactccttc 48060  
 tctcagggca gtggctagcg cagggaatgc ctggtcggaa acaaaactgga gagaatgcag 48120  
 agtggagtga ggagcccacc gatgctttcc tccaggccct ggagagcctg ggttctgaag 48180  
 aagagcacag aggcccacgt gtggtacat aaaattctag gaacgctcca tctgcactgc 48240  
  
 aggctgaga ataccagtg tgacagcgt gaaaacattc ctggtttacg cttcttaata 48300  
 ccagtctgta aaaataacag tccaactgca tgagatcatg gggagtttgt gtggggccgt 48360  
 atgctgtggg ccgagtctgt gctgactgac atttggaggc ttgcactctg gggcttgttg 48420  
 gtttgggaag gggaaggaat cagagggtag gagtggaaact agggagtagg agtagaagaa 48480  
 agagaatgag aaaaaggatg aataagccta tcttagcagg agatgtccat cagttaagga 48540  
 gtaacaggga aggggtgata acattacat ttattgggca tctaccatgt agcagataat 48600  
 gtttatattt tttctattt tctctctct acaattaact agcattttaa gcccggtttt 48660  
  
 tctccagtag agaaaacat gtcatagata tagtaagtaa tttgactgaa ggctgttaag 48720  
 gaggtagaga caatattcag cctgaggttt tccccccc agagccttgg tgattgtcat 48780  
 tatgtcgcag gattttcacg ttaggaagaa gtcagtttca tcacgagtgc acatctccag 48840  
 ctggaattta tgttgcctg cgagactgct ttagctgatt ttatttgact gaactcagcg 48900  
 gttgttttag gagccctggg atgaagcttt gctctctct ttcaggcac gagtgtttg 48960  
 ggatgagcca tatgcacaaa cgtgatggct gttgggtcag gttgttaggg atgagtacc 49020  
 agtgaccagt ggtcaatttc ttagaaaaca ctctcagcct cttagaaaac acccctgagg 49080  
  
 agggggtaat ccagattcaa ctctgaggga cagaaatgc cccaccattc cccaggttca 49140  
 ccataggaag aaggaccact agtatcattt gtgggggcac ccttcactt gggcaaaatt 49200  
 caaagtaatt taaaaacttg attcagttgc acctctgctt ttcaataaga atatagaagc 49260  
 tacggactat cttctatttc tcagatgttt gagatgcgtg gtatatttta attttcacia 49320  
 cccactggg aaggtggaat taactctgtt ttatggagga agaaacagag gctcagagag 49380  
 gatattagct gccagaaca aaactatgat tcagttgttg ttttaggtt tagactcatt 49440

cattcagctct gatttttagag cttttttttc ccactaatgt cttagcgatt tccagaggga 49500

ccaggagggc tctgtctca ttaggcacac tgggtatgct ctggttaaaa caggacccaa 49560

ggtggtatgtt attaccaact taataaatta tgttgagaat ttatttaaaa gccctgtata 49620

atccagctgt tgaatgatac tgttccttaa atggaaaaca aagatctttt ctctctccat 49680

agaaagtggc tcacattttt gcaaacaaaa ttacatgttt tataacagct ttcttgagag 49740

aattcacaca ccattcaatt taccattga aagtgtaaaa ttcaatgttt ttaccgcat 49800

tcataaggtt gtgcaacct caccaccgt aatgaatatt ttcatctctg caacaaaatt 49860

acatttttaa tcagttaaaa taaattaaca ttacataaaa ccgagaaaaa gaggaggatc 49920

tttcccgatt ctactggctc catttaacgt ttatcattat tgccgcactt tccagctttt 49980

atttaccaga gatgcagta gctagtcca atcatctgtg cgtattgttt tatgtctgct 50040

tttttaagtt gacattttcc atattgttac ttgcatctt taatggccca taatattctc 50100

tcacattgat gtgcgataat ttacgaacct accacctttt gctcaacat tagggttttt 50160

tctctatcat aaataatgtt gcagtgaaca tctttgcaca cgaagcttat ttccctgtt 50220

gaatatattt cactgggctg tagtcccaag agtcggcttg ctgggttaaa ggggtatgaat 50280

gttttatatc ctctctccc ctcccccattg ttattttcca gagaggatg acaatttcaa 50340

aaaaaaaaa tatagcatat atatatatat tatatataaa aagtcattta atgttaccaa 50400

ggttttgggt tcattatgta aatcagagac aggcaaaatc tgtgaggtca aacgtcacgc 50460

atttcttgag agccaggaac gattgtcctt tatgtgtccc acctgggtgac ttaaataagt 50520

ttaccatttt ccttagaaaa ttattcccat ggaaaatgat tccctcaacc tctgacctt 50580

ttgttggttg ctgtcagctt ggggcaacac ttgtttcca gctgttctta aaagccactt 50640

ctttagcatt taacctttg aaggcccaca ggggtgaag agggggtggg tggtaggag 50700

ggtgaacggg gcagagaggg ctaggaggag ggagggggag aatccttgta catitgcacc 50760

actatgcccc ctggttagag tgtgctgtgg catctgcta caaaagcaa acttgccagg 50820

agatacacgt ggtggctgga aaaacgagaa taccctcaac ttgctctgtt gcaaacagca 50880

acaattcagg aagctctgat gacgttatgt gcacctgaga gcagctgtta gtagccagag 50940

tgatgtgaa cgactgagag agacagaggc ttttagggc tcaggtgtat tcacccatg 51000

cctcaccttc ccagaaacat gttgtgaact tcaggatttg tgggtgtctt agacgtcacc 51060

aaaatcccta ctggattcat aaaattctgt atcagttaag atgcttttgg ctagaagctg 51120

tagaaaatcc aaatcaact ggcttaaaag ataacaagag tttcatgtt gttgaaaagt 51180

ccagaggcag ggttgacact tagcaaagct tgatccggaa gctcaggatg acgatgaata 51240  
 gttttctttt tttccctccc gctttccgtc gtgtcagcta catccaaggc tggtcctcca 51300  
 tgtcgtcaca agacagtgc cagttggggg ggaatgtgtg ctttctcctt catgtccagc 51360  
 aggagacagg ggtttttctt tctctcagcc atggagcgta agtgctagaa ttcactgcac 51420  
 ctggacaaac ttaggtcaaa tgcctgtttc tgaacgaatt tttttttgt gtgtgatgat 51480  
 gatctttctt acacattttt taaataccag aagtaattaa atatgttcat ataagtaatt 51540  
 tagaaagtaa atcgtgttta tatttatttg agatagatgt gatatttgta tttatttgag 51600

atagatgtga ttattttata tatgcataca cacagtgaac caattttttt tttttttttt 51660  
 ttttgagatg gagtcttgct ctgtcaccca ggctggagtg caatggcgcg atctcagttt 51720  
 actgcaagct ctgcctcctg ggttccctgcc attctcctgc ctccgctccc gtagtagctg 51780  
 ggacgacagg tccccgccac catgcctggc taattttttg ttttttagt agagacagtg 51840  
 tttcatcatg ttagccagga tggctttgct ctctgacct cacgattcac ctgcctcggc 51900  
 ctcccaaagt gctgggatta caggtgtgag ccatcgtgcc cggccctactg aaccaatttt 51960  
 tgtgttgaga gggtagaggct actgataggt gaatcatgat ttagacaaa cagggcccac 52020

tcctggagct ggggctggga tcagtcctat tcaactgtg aggcttcacc attgggaagg 52080  
 cagctaacag cacctctat aattcctgtg gcaacctccc ggagaaggaa tcaccccatc 52140  
 tttccttgaa ctgcttaagt gacaaattta cgtgataaat cattctttt cccagaata 52200  
 cagtcagccc tccctatctg tgggttcgc atccacagat tcaacaaca ataaaaataa 52260  
 taaaaataca gtataacaac aatttacata gcatttgtat tctgtaaggt attataagta 52320  
 atacagaccg ggcacggtgg ctcacgcctg taatcccagc actttgggag gccgaggtgg 52380  
 gcggatcacg aggtcaggag tttgagacca gcctggccaa tatggtgaaa ccccgctctt 52440

actaaaaata caaaaattag ctgggcgttg tggcgggcgc ctgtagtccc agctactcag 52500  
 gaggtctagg ctgaagaatc gcttgaacc agaaggtgga ggttgcagt agccaagatt 52560  
 gtgccactgc actccagcca cagagacaga gcaagactcc gtctcgaaaa aaaaagtaat 52620  
 ctagagataa ttttaagtat atgggaggat gtgcataggt catatgcaa tactacacca 52680  
 ttttacataa gaaacttgaa tattataaat ttggtatga gggggacat cctggaacaa 52740  
 acccctgcg gataccaagg gacgactgta tgtgtatatt tggagcatgt gcgcctgatt 52800  
 cctgaaagat acataaggaa aaatggattc tacagacgca aatttttcta atgagacaga 52860

attgattgat caacaaatat ggctgagaaa catgaagagg attattggga tattgaatga 52920  
 caagcatgaa ctgatgggt tccagtagc ttgtgaaaac tagaagcctg gctttcaggg 52980  
 tgactgctgt gtgtgtgtct cccattgggt tagccggccc ttcatgcct ctccagagcc 53040

actgtgaggg agttggagga gcaggagacg ggagtaggtg acactgggtt ccagaagcct 53100  
 ccaaaggagc tgttctgcag aaaggacctg gttcagggcc tgccccaaga acgtccatca 53160  
 ctcccttggt ttctagactt tcttcactg tcagaggcct ttgaaccaga gcaatgcat 53220  
 ctigaatagg agctgggtaa aataaggctg agacctactg ggttgcattc ccagatgggt 53280

aaggcattct aagttacagg atgagataga aggtcagcac aaaatacagg tcataaagac 53340  
 ctgtctgatg aaacagcttg cagtaaagaa gccagccaaa acctgccaaa accaagatgg 53400  
 caacgggagt gacctctggt catcctcacc gctacactcc tatcagcgca aggacagttt 53460  
 acaaatgcc a gggcaagta ggaagttacc ctatatggtc taaaaagggg aggcataat 53520  
 atgaataatc cacccttggt tagcatataa tcaagaaata accgtaaaaa acgggctgct 53580  
 ccgtctgcca agtagccatt cttttacttc ttactttcc taataaactt gtttcacttc 53640  
 attgtatgga cttgccctaa attctttctt gcacaagatt caagaaccct ctctgggggt 53700

ctggatcagg accccttttc ctgtaacact accaccgat taggcatgtc ctgggtgcta 53760  
 catgagggtc gttgtcaca atagctgttc aattctcttc tggactaaaa aggacatttg 53820  
 aagttgggcc ggagcagaag tgctcaggct tgaccagggtg tggactgcat atggcaggca 53880  
 caggacagc tgaaggcag tgtccagggg aagccaggat ggggagccca ggagacagct 53940  
 gggagtgggg atcagctgaa gggctggata tggagggtggc agttgggtgg atgaacctgg 54000  
 agatacagta gtaagtggac ttgaggaaaag ttctagaaca actcccagag ctgcaggggc 54060  
 actgtgcagg gtgtctgcag cctgaacatg gagtcttct gaatggaagc tgccctttgc 54120

tgctctggga gcctttgatt atgcccagaa gaacaggagg ctttgaagc ctgcagagta 54180  
 ggaaactggc ttccctaccc accctcttgc cagtaggctg catgacctg ggaagacgt 54240  
 tcccccttc aatcccaatt ttgttcattt gttgggatcc attaaactgag tgagagagtc 54300  
 ggtggttgat ttctgaggtc tgcttgaaaa ttctgcaagc tggaggcttc tctaaggag 54360  
 ttaattgtta attcaagtg aaactgagga tggcgtaag tgtgacctc tctgggtta 54420  
 ttgtcatttt ataatgcact cctaggagac caaaattcct agaagatcct aaaagaatag 54480  
 tggtttgggt gtgtgggggt gggggggaga aagagaggag tgaaaggag agagagagag 54540

cacgagttct ttgtttaaca cactttaaat cgacagagca agactctgtt tcaaaaaaa 54600  
 aacccaaaa acccacttta aatctgaaat ctatccctac tataatggaaa ggtgaagatt 54660  
 ttctgaatca tcigggatgc tcagacccta gtaatactca tgggtgggatg tgcaggaact 54720  
 attttgagta tttatttag ctacagtagt tctgtatgaa ctaactgaaa tgccagacgt 54780  
 cgagtcagt tgatttttca cttgatattt gtttgggaatt ctgggggtgg aaagcaatag 54840  
 atggtgcaat agattaggtta acactaggct ctttagtaat aagaggtcac ctctctggct 54900

agatttggct ttggttctct catttcccat ctattatcct tgcaacaggg tccaaccagt 54960

gctctccaga acatacgtc cttggggctg agacttgtct ggagctgtca tctagagcct 55020

ggaagataag aggtgtctaa taattgtggc tgaagtttgc cattatcagc tctgtcttgt 55080

agataagaca acitgggactc tgagaagttc acctggctgg acagtggcca gttcaggtgg 55140

ctctggggag tgttggctcag aaagctcagg tttctctctg gcctcccagg caggtggtct 55200

cgtagtctca ggacaggtct agtttgcctt tggctgcaga gttaggggcc tgaatagggg 55260

cgttactttt ccttcagctc tcaggtctga gtcctggctgc ctggctgtcc agtattctgg 55320

tcagagtctg ctggaattgg tagcctttta ggagaaagtt tgtgagactg aaagcaaact 55380

acctgcctct catcccagca cctcccaccc tgctttctca gaagtgaata aattgagctt 55440

ggcacttcaa agaaaaccac cgacagtatg tgttggaat gataacattc aagctttaa 55500

gcaaaaaatta ggattttggg aaacatattc attatcatga gcttgacagg tcccagcac 55560

ttaaagacat ttctgatgag attggtagtg ataccaaca atgtgatttt ttgatattg 55620

tataatgaaa tatgttaaca tttgggtgac ttgtgtaact gtgaactaat atttccaaa 55680

tgactaatga atgattctac aaaatcatgc atgggtaaaa gatctattca aactggatgg 55740

tggattttta gggaacagtg aaaagctctt caatataatt ttggattcca cattgcaat 55800

aacctttaa aattaccact tactgagttt tgggtgtagta gcaaagaata tatcaaatta 55860

tctgcaatta ttaaataact cttccatctc ccaactaagt atcttcattt acttcaacca 55920

aaataatata tttaacaga acacagaagc agatgcaaga attcaactgt cttagccaa 55980

acattcaaaa gagtigaaaa actgaaaaat attgcttctt tctcattaag tttttggaaa 56040

ttataatttt ttataaaaa atgttatttg tgttaacatg taacgagttt aaaattgtta 56100

cctttaggct gggggcgcg tggctcacgc ctgtaatccc agcactttgg gaggccgagg 56160

caggtgaatc atgaggtcag gagatcaaga gcatcctggc taacacagtg aaaccccatc 56220

tctactaaaa atacaaaaa attaggtggg tgtggtggcg ggcacctgta gtcccagcta 56280

ctcaggaggc tgaggcagga gaatggtgtg aaccaggag gcagagcttg cagtgagccg 56340

agatggcgcc actgccctct agcctgggcg acagagttag actccgtctc aaaacaaaac 56400

aaaacaaaca aaaactttct cagttttgtt ttctaactg gaaaatattg gatataataa 56460

atgtaagcaa aagctcttta ggattctaag ttatttttaa gagtataaac agtgccccac 56520

cccctgcaa aaacttttga attgctgac taaaatatac aaagaactcg taaaagcaa 56580

caagaataag acagcatccc aacagaaaaa aaaatgagca aaggttgcaa acaggtatt 56640

tacgaaaaga ataacacaggc atacaaagaa agagttgttc agattattaa tcagagtga 56700  
gataaaaatg tgacacgtta ctttatacct actaggctgg caaacctag aaagccaaat 56760  
aatgacaagt atggttgggg tttaggaca gaaaaacct catgtacagt tggtaggagt 56820  
gagaaaagta tagtagtgat tctgaaagca ttctaatagt agttatttca gttaaatatg 56880  
cacaggcttt tttttgtttt tgtttttgtt ttttttgaga tggagttttg ctcttggtgc 56940  
ccaggctgga gtgcaatggc acaatcttgg ctgctgcaa cctccgcctc ctgggttcaa 57000  
gagattctcc tgcctcagcc tctgagcag gcatgcgcca ccacgcccg ctaattttgt 57060

atttttagta gagacggggt ttctccacgt tggtcaggct ggtctcaaac tctgacctc 57120  
aggtgatctg cccacctcgg cctcccaaag tctgaggatt acaggtgtga gccactgcgc 57180  
ccggccttgc atagtctta cgacttagca attccatgtt tgggtatatg aacaaaataa 57240  
attgtcatgc acaagtcatt tgggtgtgtg acagatgttt attctccctg ctgacaggga 57300  
cagggatctg aagcctcctg ggagcccatc actagttagt ggattgggaa cacgtaaatg 57360  
aatgctacca gaggtacca caccatggat atatccaaa gaaagtgcta caagaaatga 57420  
aagaaacaag cagaagcaat ctacagcatg atattgttta tgtaaattaa aattacagtc 57480

atacaaagca attcatgttt tgcaagaata caaattatag aatttacatt gcattggttt 57540  
cctagggctg ttaggaacta ccactaattg ggtggcttaa aacaaaataa attattctct 57600  
catagtctg gaggcctgaa gtccaaaact gaggtgtcga catggttggt tccttctggg 57660  
cctccgagga agaattctgt caatgcctgt ctgtagctt ctgatggtgc tggcaattct 57720  
tggcttctct tggctttag atgcatcact cccgtctctg cttctgtctt ctttctctgt 57780  
gtgccatgc ctctcttgc atttacattt ctgtcttctt ataggacac cagtcacatt 57840  
ggatttaagg cctgccctac tctagcgtga ctgacttca acttgattat atctgcaaag 57900

actctatttc tctgtttcac aggctctggg tagacatgaa ttttggggga acacaattca 57960  
gctggataga tagagcaaac atacgagaat ggctggccac atgggggagg gaatgggaat 58020  
gtgagatggg atacacaggc ataaacaaac aatggccaag caagaggtgg gcctggacag 58080  
agccggcagt ggtgtgtaca cactaagagc cacacaagga aacttctcgc tatccatttt 58140  
ggctctagat tcaggaaaac agaagcaaga aaatcaaac aaaaaacagt aataaaaaca 58200  
acaaaacctc acctggctct tttttttttt tttttttttt tttttggcgt tgtggcacat 58260  
gcctgtagtc ccagctactc gggagggtga gacaggagaa ttgcttgaac ccaggaggca 58320

gaggttgcag tgagtcgaga tcacgccatt gcctccaac ttgggcaaca gagcaagact 58380  
ctgtctcaaa aaaaaaaaaa aaagaaaaaa agaaaagtct cctgaggatt ctgaccaca 58440  
atctgacttt cacatgcgtt tgaggataga atttacta cccaagaatt ccaaaagatc 58500

ccaagcaaaa actgagttaa aaggagtaat gatttggcaa tgccttctgc catTTtgcca 58560  
aagtaattac aaatcctctt tgaagaaaaa ataacctctt aactcaggct tcaaagaact 58620  
tctacagccc aagtTcctca aaagtcaaga gaggtaaaaac agaacttaga actTcacaca 58680  
agtagaggaa gaatatggaa taagacaatc aaggaaggca aacagagaaa aagtaatata 58740

aaaaaagcaa cttatagaaa gcacaaagac taaaatggac tcaaatatat cggcattcaa 58800  
aataaatata agtgatttaa actTgccagt tgagacaggT tgtcagaaca gatgaaaaag 58860  
aaacagaacc cagTaatg ctttttactt gaaacatgag gaccagaaa gttttaaaac 58920  
atataaatgg aaaaaagttt ttagcatgta gaccgtgagt gctcatttgt gaagctttat 58980  
taatttcagg caaaatatgc tttagggcaa aaaagtctta ccagagtaaa tgcagaatat 59040  
aagatggatt caaatgaaaa tggattaatg ctattcatta attgcattaa ttaaatttat 59100  
tgcaatattt gtagaaaagt tattcaatat aatttggcat ttattcatga gtattcttaa 59160

taaactagaa gagagctttc ttaatctgat gaaggcactt ctcaaaataa tctacaacta 59220  
atctcatact taatgataag ctattagaga caatttatTT ttatttttat ttttttgaga 59280  
aagagtctgg ctctgttgcc caggtctggag tgcggtggca caatcttgac tactgcaac 59340  
ctccgcctcc tgggttcaag tgattctcct gccttaggct cccgagtagc tgggattaca 59400  
ggcacctgcc accacgcctg gctaattttt gtgttttttag taaagatgtg gcttcaccgt 59460  
gttggccagg ctggtctcga actcctgacc tcaggTgate ctctgcctc ggccctccaa 59520  
agcgccgggg ataacaggcg tgagacacca cgcccagccc aagacaattt aggaacaaga 59580

caatcattcc tgctctagct gcgtctttta aactttgtac agtaatgcta gataaagtag 59640  
caaattaaag tagtataagg attgtcatca tttggacatg aatatacaga aaacctcaaa 59700  
gatctatagg caaattttta gattaataat ttatactgat ataaaatgaa tacacaaaac 59760  
aaaattgcat ttctaggcca gcatttgaat atgtgatttc aaaagacata atttaaaata 59820  
acaaatacaa gtaaagtgtc ttggaaatct aaaatgttca agacttttac agatagaaca 59880  
tattcaactt tatttaggtc tttaaaaaac ttaaaagaag cacaacgttt atagatatga 59940  
tgtctggatg tcataaaggg attaacattc tccaaactga tttatagaaa ttccaattgg 60000

actctccttt agatgaccac agactggttc tgaaatttct atggaagatc aaggggccga 60060  
gtataccag ggcattcctg aagaagaaaa cccaggagga tgtttgcctg atacaaagat 60120  
ttaacatgaa gctacagtta ttaattaata tatcgagagt cctcttgggc aggaccttcc 60180  
accaggtctt cctgaaaaa gccgcttacc tttccctgac caccTgcgc agcaacttgc 60240  
tttcaatgct ctgccagcag gcagggagca tcatctacag ctgctgccc ttggctgttc 60300  
ccaggTggga gtaagatgcc aatccaatcc catggatgct gcgacctca aatgctgtgt 60360

taatactttt gatgttgctt caccggctcg aggtgaaggg acagacaccg cagtccccc 60420

tcctatggag atgggtggga acctctacag ccagctccgt gcctccaggg aagttgatgg 60480

tgaccagtcc atgtgggcag aagctgcttg gtggccctg gaaggagaac ctacatgtg 60540

atttaatggg ggcacatggc acctactgtt gtccccagcc tctgggactg ctgccagaaa 60600

aaactgaaat gctgagacaa aggcctcacgt ttaatatcct gctgcggtga tttctaaaat 60660

agggttggtga caaatgggac ccgatcagtt ctacaggact ctgtgcccat ctgttttgg 60720

ttcctttgtg tgtttgctca gtcagaacaa gtatttatca gctgaggtga tgaaaggcat 60780

tgaagcatgg aattatcggg gtgtgctggg ctctcttca catgagggtg attgttcct 60840

acgtcaaaag aagagggtgtt ggggcagagg gcttaaaatc tgacggacat tgattggaac 60900

tttggtctta agtaactctg tgggtgaacc cgtgttgctt tccttctcgg agcctcagtt 60960

tcattgtaaa aggaggagga ggggtgcctcc aggcctggggt gtgtccacag cagaggggccc 61020

aggttgttgc tcaatacacg atcgtccctt cctcctcaa agccttgaat agagcaagca 61080

ggtgtctgtg taaccacatt tttcttctat accttagaga ctccaaataa atagcatcag 61140

ataataatca tgtaacagg aggcctatta cccattaaa gttgtaaagc gagtttctcc 61200

catcgtttta gaccatgtcc gccacacac acacattctg tggcgtgaaa tcccgatgcc 61260

tccacettcc ctttccctgt ttgtgggctg tttctcttgg cagcagcctg gaatccaggc 61320

cttctatggc tgaagtgatt gctacccctt tctgtgtgtg agagcaagag aagcgggtgg 61380

agggaaggga caggagctcg ggaagagggtg attaacacat atccccctgg cgggtcatgc 61440

tgctttcatg ggcatcctaa tcccgtttcc tctcctaagc agaaggcact gggattgatt 61500

taacagattt ttgttgtta ctgttattta gggctctctt ttggtgggta tgataccata 61560

atatcttggg ggtatttaag ccttaagcag cacctacctg atcacccttg cttgaccccc 61620

ttcccagtct cagacatttc tcataatcag tcaccttggg tggaactcag gctgggtgtc 61680

ccggttcag acctttgatc tcgctgtgta agggatggag ggcttgggtg tggtaggca 61740

gggagtggca attggagtgc aaggtgtccc tgagattctg atccatttt tcctttctc 61800

ttccacttag gaacatctgt ccagtcctg ggatgggtg gctataacca caaaggaata 61860

agagaagacg actagttttg taatgggtaa atgatattha tttttattht ttaaattaat 61920

ttttttactt cagtacgttt ttggggaaca ggtgggtattt gggtacatga ataagttatt 61980

tagcagtgat gtctgagatt ttgatgtacc cgcccatcac ccaagcagtg tacacagtac 62040

ccaatgtgta gtcttttacc cctcaccacc ccccgacctt tcctttgagt cccagagtc 62100

taatgtgtca ttcttactcc ttgggtcct catagattag ctctgacata taagtgagaa 62160  
 cacacgatgt ttggttttcc attcctgggt ctatcactta gaataatggt ctccaattcc 62220  
 atccaggttg ctgtgaatgc cattatttga aatttgtctg gtaggctggg aggtaaagta 62280  
 gtgtggcaag gcagagagtg aggaacaggc tcgcagcatg ctctgaccc agcatgttcc 62340  
 caaaggtggc agttgtcagt tacattccca cgttggccag ggttcaaggg cccagagcag 62400  
 ggtactttta agagaggctg gtattaatat ttgaccagaa gttgtctgtg gtataaacag 62460  
 tgccttcac ccaacttcat tcttcaattia cttttttaa aattgtatta tttatttaga 62520  
  
 gacgggctta taagactggc tcatttttgt attttttgta gagctggggt ttttccatgt 62580  
 tgcccaggct ggcttagaac tcctggcctc ccagagcgct gggattacag gagtgaataa 62640  
 ctgcactctg cctttaatta cctttcttcc acgcacagag gctttggatg aggttgtatg 62700  
 catgtgtgta aactagagaa agatttcaag caaatacata atacaggaat gttgtaaccc 62760  
 aacaggcgct ttccattcat tcattcattc attcataaag cctcatcaaa catttattat 62820  
 gcgttccagg atacagtggc aaaaataatg aacacatctg ttacctgggg cttactgtc 62880  
 attattggac attaatcaaa taattgcaca gataaacata taatttcata gtgtgctcag 62940  
  
 tgccgtgaag gagagcacag tgacatgaaa gaggatatta taggggatga ggggctttcc 63000  
 tgagaaagt acatctgagc caggaattga aagatgagta gaggataagg aggcagaggc 63060  
 aggatggggt tgggggctga gactggggta ggaaaaagcc agtccagatg atagaatggt 63120  
 agaatgaaat gttttagggc atcctagtgg aggtgagtgg agttttgggg ggcactgccg 63180  
 caaacccct gtgtatcata gatgtcaaga atatgaggat aggcaggttc ccctagatcc 63240  
 agtacttcca gcaaatgacc gtctaattgg tagctaggct tatggaaaga accctccttt 63300  
 ccaattgttt ttatacttct ttgtctgcg gacaaaagca tttttgatgt tatgtgaaaa 63360  
  
 tgtgggtttc aagtgtggcg atttcatgaa agtatagggt gacttgctct gcctggaata 63420  
 atgattggaa gaatggcaag tggggtcagg aaggaggttg aggagtgaag atggagggat 63480  
 caggaatgga aagaagagag gatactccct aagcaaggct gggatttttg cgggaggcgg 63540  
 gggcgttaa caaagctagg tatgaaatct gaggcagtag ccaccatcgt gattgcagtg 63600  
 gaatgagggt gctccctga ccagtcagga aggatcacat cgccccaagg ctggggatga 63660  
 ggggaacagg gagcctctcc agtttggaag ttaaacaatca caattcacta ctgtgactaa 63720  
 gctacgcac aatttgctgg atatggcttc tgcctcagat tcttcaagcc ccacacaggc 63780  
  
 tgctggtttc tccagtcttc caagctgacc ctgagtgtta caattcagac aactcaacat 63840  
 ggaaagaaca tacctgagge tgaggggctc ggctactctc ccataacggc gaaagggaat 63900  
 tctgggaaag cactgggctt ggggtcagag ggcgtgcact caccgccact actaatttat 63960

tgacctcaca aaaacattta ctgattataa tgataacat aatgtttata gtttacatag 64020  
 gattaaatta tgaactttta catgccagga attgcatgaa gtgtgttacc tccaacaggg 64080  
 ttcaaatatt cccatttcac tcatgggaaa gaacattact aagtgcattg tgttgaatag 64140  
 tgtccccaga aagatctgtc caagtcctaa accctagttc ctgtgagtgt ggctttatatt 64200  
  
 ggaaataggg tctttatagc tataattaag ttgagaatct ccagatgaag tcctcctgga 64260  
 tttagggtgg gcttttcttt acagggagg agaggagggt ctgacacaaa gacacgcaga 64320  
 gaaggcagcc atgtgaagac aaggcaaaga ttggagtcc ttagcaagaa accaaggaac 64380  
 acccaggtt ggcagaagcc accaaaacc aggagagagg cgtgggagag actctcctgt 64440  
 agagcctcca gtgggaacca accctgccgc accttgactt cagacttctg gtctccagaa 64500  
 ttgtgacgga ataaatttct gttgttttga gccacataga ttgtggtaat atgttatagt 64560  
 agtcctagga agtcataca ctttctcaag gacatctaga cagtaaaaag taagccagga 64620  
  
 tttaaacca gatttgcaa cttcaggtcc ctatcaata tgccatagga agtctttggc 64680  
 tcatttctt aacagaaaaa tgggagggtt aaattctatg acctgaggtc cctttgaatg 64740  
 ctgtgtctgt ggattcaagg gccaatccaa aagtgagatc tgaaggtag attcagtctt 64800  
 glacctgagg aggcaggttt gaccaccact gggctccaag gacctcatgt ctgagaattc 64860  
 cctggtgata ctgactcaat gtctccattc atgtgttgca ggagaccaag atgagataga 64920  
 aataaaaaga gagataagaa taaaatctaa taaaatctaa tgctgggtc caaaaaacca 64980  
 tttaccacaa tgccaaattg gaaggacca acaatgtgat agagaacaca ttcaaatgag 65040  
  
 cactctgagg gatgggactg cctcgggcca ggcagtgttt gcagatacag gtgctcaaag 65100  
 cagggttggg agagtctctt gttatattct gctcatgcca caccagtgc cttggcgggt 65160  
 gggacgcagg gtagcaatt ccttaaagag ggccaaggat ggccaaagcc ctttgagatg 65220  
 ggagaaaaca cctatgagtg aaagacatgg ctgatgtatc aaagaaagt cacatacatt 65280  
 gggatcccat ttaccaaca aaccaattct acagaggag gggccacagg aagatggtct 65340  
 aaggaaggga tttgtaatga tcagagctgt ctagaagtga aggacctatc gttggtcagt 65400  
 aaagcattcc ttattattgg acatgaacca aaacctctt ggggaccatt tggtagagct 65460  
  
 gtagtagtag gttttggaac atcagatgag atgctggatg ggatagtttt atatttccta 65520  
 tcaactcgga gatggcaggg attctagctc tggattttca atgccttctc cctttctgg 65580  
 actgcctgcc cctctgtagt ttttgtggga tggttttggc cagatccttt tgaaggacct 65640  
 gaggttcatt cagaagagtc actgagggtta atctgtgttg ggatgtgat ctccagagat 65700  
 tggggcaaaa tatgtgcctg aaagagccgg aattagtgc atctaagggc taagctcaag 65760  
 tcctgggagc aaggtgtggc cttcatagg agaaggggac aaaaggtcgg aagccataaa 65820

ggaggagcca ggaagaaaat ggaatataaa gtgggtaaaa atgaatgact tgggaaagt 65880

gagaaagga gggggtgaca cacacacaca cacacacaca cacacacaca cgaaagagag 65940

agagagagag agagagagag agagagagag agagatgggc tctgaacaga gcctctcccc 66000

agcagtgggg gcagcccata gctactctgt tcttgggcag tggctctctgg acagcagaat 66060

gcacgtggat gttggagtig ccagatctaa cccatcggga gtgtgggcca gtttgaagg 66120

tttctgtct tgcctaggga ggtcactcga ggaaagtcca gagtatttct agataatcta 66180

gtggtgaatt tgagaggata acagaaggac caggaggttc agttagaaag acaagactgt 66240

gggccgttc cattttccat aagagcaaat ctcccaggg agcttaagga cctccccctg 66300

ccgggtgctg ggctgagcgt ctctgcact ttgacacgtt agtggtagca acaactttgt 66360

gtgatggcag ctgtttattg ttttaatttt acaattgatg aaaatgatcg ttaaagccat 66420

tcagttagta agtggctaag ttggccgtca agcctggatg ggcctacct tgaggtggt 66480

gcctcaccac tctcgggcc tgaggtgctc aggccacagg ttgttaatgt tggaaaagac 66540

accagagatt ctctcccgca acctgttctt ttttttttt ttttttgag acagagtctc 66600

gctctgtcgc ccaggttgga gtgcagaggc gcgatctcgg ctactgcaa gctccgcctc 66660

ccgggttcac accattctcc tgcctcagcc tcccgagtag ctgggactac aggcacccgc 66720

cacgacgct ggctaattct ttgtagtttt agtagagacg ggtttgaccg tgctagccag 66780

gatggtctcg atctcctgac ttctgatcc acccgctcg gcctccaaa gtgctgggat 66840

tacaggcatg agccaccgtg cccggccgc aacctgttct ttttacgaag gagagaaccg 66900

tggcctacag aggggaggac gtggcttttc tcaaagtitt atgtttggaa caagcttccg 66960

agctggggtt ggaaagccgg gaatcctgcc ctgggtctcc ggctctttgt ctgtttttgg 67020

tgctgaggga gcctggcttc ttgccctggt tccatcactg acagctgagc aaacctcagg 67080

ctctctttt ccttgatggt aaattaaagt cctccagctt gactcactcc tgggctcagg 67140

tggtgttatt atcaggatta attacatggc tagagagagg gctgagcctt tcctggggaa 67200

acaagccac ttaaagaca ctattatgtt ttaactgccc tgatacatit gtaaccaaga 67260

cttcttagaa tgatattaaa atataaatag agaaaggatc caaaatttaa actgcaattt 67320

ttctgccat ttctggica gcataaggaa tattgagttt tctatctaag tgcccatata 67380

agatatgaaa tacctgggta acgggagcaa ttgctgctt aaattggaac ctgcaaatc 67440

aattatcagg aactagagca tgcattttct cctaagccaa aaaaaattat tcttcaaat 67500

gacatttgge tgctcactgc atgtcataat caaacgagga gtgaggtcta atgcagtagc 67560

tccacatcta ggtgaaaagg gaaaaagaaa ttatccccaa aactgcaaat cttctaagat 67620  
acgtgatcct atattttcaa gactgaagca agccttagga atttaaagag ttttaagaaag 67680  
taaaatttga ttcaaattca cttctttacc gaaacttgca aagcaaaaat ccccagtttc 67740  
tctgggtggc attttattgc ctggctatag gtctagacag gcctagagcc aggggtgcag 67800  
ggtgtgggtg ggggaagggc agtatttcat agtatagcag tggaaaagga gcttagaggt 67860  
tctttggtat ggcgattctc aatcctggct gctcagtga attgcctggg atgcttttaa 67920  
aaacatggc tagggctggg catggtggct catgcctata atccccagca cttttggggg 67980

gactgaggca ggcggatcac ctgaggtcga gatttcgagg ccagcctgac caacatggag 68040  
aaactccgtc tctactaaaa acacacaaat tagccaggcg tgggtgtgca tgcctgtaat 68100  
ccccgtact cgggaggctg aggggggaga atcatttgaa cccaggaggc agaggttgtg 68160  
gtgagccgag atcacaccat tgcactccag ctgggcaat aagactgaaa ttccgtctca 68220  
aaaaaacaac caaaaaacca tggctggcca ggtgcagtgg ttacacactg taatcccagc 68280  
attttgggac accgaggcag gcagattgct tgagcccagg ggtctgagtc cagcctgggc 68340  
aacatggtga aaccccatct ctacaaaaac tacagatatt agccaggtgt ggtggtgcac 68400

gcctgtagtc ccagctactt gggaggctga ggtgggagga tcaattaagc tcaggaggca 68460  
gaggttgca ttagccaaga tcccaccagc gcactccagc ctgggcaaca gagcgagact 68520  
ctcaaaaaca caacaacaaa accgtggcta gctgggttct acccctagag attctgattc 68580  
aattgatcca ggttgttga gctcagctac tgtgttactt aaaagatttc ccaggtgact 68640  
gtaatgtgca gccagggttg aacctaagct tctcacagga gtgctgtgag aattaagtga 68700  
gataaatgaa gaaagcacac ccagagcagt acctggaacc caggtgctta agcatggtgg 68760  
cttcctccg gcctctgggt tctccatct ctccctgccc caccgtctcc acaccttcta 68820

cttcctcca cccatcatt gccattccct gccaccgtc acccacccc tgttctgat 68880  
gagttaatat aagcaaaatc cttttcaat cccatctaag tgcctgttgt tatgatcgtg 68940  
tgtgtgcgtg cacttgtaca tgttgtgctg tgtgcacggg catggcgggt tccatcctct 69000  
cttcagaggc aggcaattgg gtgggaggag tggatctatg acttctggca gagtgtaggg 69060  
agctttccat ttgtcacga gggttcctcc ttggagcatt cattgtcatt gtaattcagg 69120  
tgtgcagact gccagttcag actgtcctag gctggagaca ggtggctgag tcaagggaag 69180  
cattgcgtgt tccggtggcc tgggggctcc ccttgggggt gaaaaaggga gggcgattcc 69240

aggtctgcaa gaagtgggtg gcagcccaga gcatcctgtt tgttggagtc agggcagagc 69300  
aggttacag tcagctggcc cccaagtgt tctcttgca accetgaagc ctttgtgtct 69360  
tgcagctact gcatatttag gtgtacaggg gtgaagaggc gcacattgga gtgttctttt 69420

ccagcatgca ttigggtctc ttcatatttg agaggaccac aaaggaagcc cacctgagcc 69480  
 agagtttgag aaagtccgtt tcatcatggc tgaccttaag aagcggaagt agagtacaca 69540  
 agtgctcagg gtcattatca tatgcatcat cttaaacatt tatctttctg tgtgtgtgtg 69600  
 ttgaggtcat ttaataatcct ctttctagct atttgaacc atatatcatt ggtaactata 69660

gtcatcttac agtgatatag aacattagaa cttattcctc ctatttagtt gtaatttgtt 69720  
 atcccttata tgtataatct atacaattat atgtatagaa acatcacaaat gcactccaca 69780  
 aatatgcaca attactcatc catttaacaa ataattttat tcttaccaaa agaagcagca 69840  
 gaagtgtgca aagcaaatat ttgccccttc atggattgtt tcaaatectt tggcagattg 69900  
 gatgtgggtt attgttaggg ctgtaatgag gaatcagtgt ctgagctggc agcagcaggg 69960  
 atccgaggag accttaatct acctcttcaa acccctgaag aacttccta agcatctggc 70020  
 tgacctcaga ccagcactcc aatgcccttc tcttcaggaa ccagtgaag gacccttctt 70080

ggaattgcta atttctctcc ttcatataa ctcatgctat acatatttat ttgggtggtt 70140  
 gcttgctttt attgttaagg agtggtctta gctgtacctt tatTTTTTT ttttgaatt 70200  
 gaggaagatt tgagaaacca agtaaccttg gaagtctgct ggaatgagct taacttttta 70260  
 ttttaagatga gctttaattg accatagaag tgaaaagttc ttaccaaaga cggatatatgg 70320  
 aaagacatac atcaatgctt ttatttctt attactattt gtattagaat taaactcttt 70380  
 caaatgaaga gtctgggtgt aaaagaaaaa ttatgggcca cttctgagat taacacctct 70440  
 aatatggtac ctctagacat agtgagagct ttcatcaat atttgccag tataagtctg 70500

ctgccctccg ggatgaaatt gcccaggctg ggagagtaat ttgatctcgg agtgacttta 70560  
 atcaatgtgc ttctgttaag caaatatttc caatttttca gcagtttgtt tgctgtgtaa 70620  
 atttctttt tctgccataa tgctgagctg gcaccattaa tttccacagg tgggacaagg 70680  
 ctgttggctt cctgggtta cttttcagca tgctgggagc tggaaggata gaatttcacg 70740  
 agccattgca gccagctgcc gagcacctgg ggcaacgttt gcagcaacc agggaaccac 70800  
 ctctaaccac aagtgccttc caggttctg aggaaggtcc agttgtctga ggtttacttt 70860  
 ggacacattt ttaatcatcg tggttggcac agacaggaag gctgagccag aacgaaatat 70920

ctgggagcca cagatattcc agctgggggtg aaactttctg gagtgaacct cgccaaagac 70980  
 tactgtgggc agctgcaatg acccactc tgctctaaa gcagtacctt aggagagaga 71040  
 agattaagag attccatgcc ctgtgtctct ttctgggtca ctcaaaggga tgtgaggtgt 71100  
 tctttcaagt tacagcaact gaatgcataa aaattgctca aggggaagca tcttcttaat 71160  
 gcgtttttgt ccactctccc tttagccctc agcagacaga aaaatccctt ttaaatgtat 71220  
 ttctaactt atgttgtaag gaggcaaatg agaagcaaag ctgaaattcc agagggaaca 71280

gaacacaaaa gcgcttgtgc acgtgtaccc tcaccttgca cacctacacc ccagaggcca 71340

gcctggccca atgggctctg tttattcagt gttgtctttt cctgataatt ctgctgatga 71400

cagggaagca acccttcttc ttcttcagtc tgcaatatit caccctccaa ttactctttc 71460

aaattttgtt ttcaagtctc tgcccaaatg ctggacttag ggagcccaag gctctcattt 71520

ttgtatttct cttatgacac ttgacattgg ctgccttgtc ccactgccta cgcgagctct 71580

tttgaagaca aggactctta ttggagctga gtcctgactc cccactcagt gtcaggcatg 71640

tggaggcaaa gtgcttcctc tgtggctctg ggtaagagct ctgaccatgc tgggctccag 71700

caggttggcc ctgcagctgg tttgtgtgta agctgatggc tgattgggca cegtcaatgt 71760

gcaagccaca ttictaatca acttctatag aaaacactgg agacagaagg gcataatagc 71820

tataatatat cttaggtctt tgacgagaag gaatcgccaa tacgtggggg gagaattttt 71880

ccttcatgac gaatgacggc aacctcttct gagtgcctgc tctgtgcaa gtatggtgtt 71940

cagtgccttc aagaatgttc tctggctggg tctgggtggc catgcctgta atcccagcac 72000

tttgggaggc tgaggtgggc ggatcaggag atcaacacca tcctggctaa cacggtgaaa 72060

ccctgtctct attaaaaata caaaaaaaaa aaaaaaatta gccggccgtg gtggcgggcg 72120

cctgtagtcc cagctactcg ggaggctgag gcaggagaat ggcatgaacc cgggaggtgg 72180

agcttgacaga gagccgagat tgcaccactg cactccagcc tgggcaacag agtgacactc 72240

cctctcaaaa aaaaaaaaaa aaaaaaaaaa gttctctgat ttgatttttg caacaaatgg 72300

aaagagacac acttccatga tgagcaaca gtttagagat acatttctaa agctagaccc 72360

agaattggtg aagtcaaggc tacctagctt caaggccctt gctatcctgg gttctaatec 72420

taaaactttt ctttgtccaa aatttgggtc ccaagttagt tgaaagcttg agataaagac 72480

caaagtttca ttgctggtct gataattttt catatgtaag atctggttta gagttttgtg 72540

cctagattgg agtgcattec aacctggttt cctggttate tttttaactc tggcctacag 72600

tgaattaaac ctccaccaaa ctaagttaag accaagtgtg ctgagactgt catttctgtt 72660

ggacatacca ataagtatic agaggttggt ttttatgata ggcaatggag aaaaataact 72720

ttctattttt cataagctga tgttttcctt ggtaagagtt ctttcatgat ttgtctgcta 72780

tagaagaatg agccatttcc aattggatag acacagtgat ggattagtgt tttgtcctct 72840

aatccagaa aaaaacttct gatttccaaa ttgccaaagc agtgcttata tttggttctt 72900

tgaatgattg gtggcatca attacaata ggtaaatgtt cctgacacat aaaagtcgcc 72960

agctatatga taaaccacac agtagcagct tcaaagagtt tgcctttgga aaggtgtttt 73020

taaataaaac aagtccaaga aacatgaaac agcaaattca tattcacaca ctggcaggca 73080  
 ctgcagttaa tatgagagaa tgtattactt tctggtagca ataaagaggt cttgattagt 73140  
 aaagtaggac ttatttgaa agtatgtgt tcttaaaacc cctcacactt ccagggttat 73200  
 ataccataaa caggactttt agataggagg atcatctgag aacacatatt taatttcttc 73260  
 ccctccctaa ttccactgg gaagaaaacc agagcctgct ccagtgtat agcgtgacac 73320  
 ctgcattctg gaaatgttga ggaatctctg caggatttgt actgttgat ggaggaggag 73380  
 ttgcctggg ctccctttg tgtgaatgaa cagcttgctt gggagggtgag tgggagggat 73440  
  
 ctcaagaaac attgctagta cagggtgca atctcatatc tgagattcca aaatgtgagt 73500  
 agatttgaaa acgcatagct ttgtgtgtcc atcaaaattg gcacaaaac tgattttggc 73560  
 cacaaatgt aacctgaata acctgaactg tgatggatca tagtcatgac tctgtgaaca 73620  
 caggaaaaaa aaattcagt gattaatgg tgaagtgt gatggattaa ttctgtctt 73680  
 ggacaataca catttacctg taaataaggg atgatggctg ttactcagt tagggactat 73740  
 ttagaaacac atgattagt agagcaagga cacaggaaga gtttaaaaa tcattcgtgg 73800  
 tgctgttct tcacctgagc acgtgtctcc agcccagcat ccatgtccaa cgctagcctg 73860  
  
 ctcatgacaa gaaccccgga tgacaccaat gcttcgtcag acgcagaggt ggaagcactt 73920  
 agcctagttt gattcaacgt gagcttgagg ttataatgaa tgatgcctta aagaaagaat 73980  
 tagagcaggc cgggcgctgt ggctcacgcc tgtaatcca gcactttggg aggccgaggc 74040  
 gggcggtga cgaggtcagg agatcgagac catcctggct aacacggtga aaccggtct 74100  
 ctactaaaaa tacaaaaaga aattagccgg gcgtggtggc gggcacctgt agtcccagct 74160  
 actgcggagg ctgaggcagg agaattggtgt gaacccggga ggcggagctt gcagtgagcc 74220  
 gagatggcgc cactgcactc cagcctgggc gacagagcga gactccgtct caaaacaaaa 74280  
  
 caaaaaata gtatttatgg tctatatac attatttcac caaccagttt atttatttat 74340  
 ttatttttt gagacagagt cttgtctgt cgcccaggct ggggtgtagt ggtgcgatct 74400  
 cggtccttg aaacctctgc ttcccagtt caagcattc tctgctca gcctcctgag 74460  
 cagctgggat tataggcgcc tgccacatg tccggctaatt tattttatt ttattttatt 74520  
 tttatttag atggagtctc gctctgttc ccaggctgga gtgcagtggc atgatcttg 74580  
 ctactgcag cctccgctc ctgggttcaa acaattctct gctcagcct cctgagtacc 74640  
 tgggattaca ggcacctgcc accaggcctg gctattttt gtatttttag tagagacggg 74700  
  
 gtttcacat gttggccagg ctagtcttga actcttgacc tcgtgatcca cctgcctcgg 74760  
 cctcccaag tctgggatt acaggcgtga gccactgcgc ccggccaatt ttgtatttt 74820  
 tattagtac gatgtttcac cttgttggtc aggtgtgtct cgcacttctg acctcaggtg 74880

atccaccac ctcggcctcc taaagtgttg agattacagg catgagccac catgcccgtt 74940  
gtcacaaac agtttataac aatatacatt aactatggaa aaactctaata aggatttata 75000  
tgattttata cactttatct cactcactgg aactctccct atatttgag aatgttttct 75060  
tgattttacg aagtgtctg aaaccttctt gggatgtccg tgagtgcgta tggtagggctg 75120

tgtagatagt ctgcccagag ccttggggc tgtttttaga attttgtttt catgggcttt 75180  
cactttccag ggccagtctt tgagacctga ggccctttct gggaggactg cctcaaggc 75240  
ggctagtgtg gactttgtgc ctgaatcatt ggaagtgtg taactatagt acctgagaac 75300  
gtacgcctta cctttccccc cagcccttaa ctaatgactg aatggatgct ccagtcttct 75360  
ggcctcaggt gacacatctt ggaagtgtaa cttacactcc acagtactc tccaagatgc 75420  
tttctgtta tcacagtgtt cttctctctg tgtctacctt tctatgttct gatttctgaa 75480  
acacagctgg ccccaaagga cacagaaaag gaattgaaga cctgtgtcct cttccttggt 75540

ggggctaggg ctggcagaga ggataggcca cagagccttg gcagactctt ctccatccca 75600  
cctctctctc ctggaagttc accaggcatt gcaggctgca tgagccccta gaggcattgtg 75660  
ttcttgccag tctgggtgt cagtggccaa cagagcgcat ggctgactcc tactgagaac 75720  
agcttttcta gacaatgagt ggggtctatg gcctgagtga tgcctaattg ctggccagaa 75780  
tacagacagg aatttctagg acatgctgat gaagctcctt gaagctgcaa tagctgttgg 75840  
tcctaggcaa ccaacagcaa gaaattactt ttcaaagagc aaagtaatac cacactttat 75900  
tcaaatatgt gccctctttt cttaatttgg gccagactga tatgaccaga ggcttttatg 75960

ttcttaggca gaaatcatct caaatgccag tgatggataa gcaaattcct ttctctataa 76020  
attgagaaaa aggagaaaaat cattactgaa catattttaaaa aaatgcttt gcactgaaga 76080  
attacagtaa atgattactt ttgtgtctta gtctgttcag actgtataa caaaatacca 76140  
tagacctggt ggcttataag caatggaaat ttatttttca cagtcttctgga ggccggaagt 76200  
ccaagatcag gctgccagca tgggtcaggtt ttgcggaggg cctcttcca gatgggaaga 76260  
tgatgactta ctcatctatc ctcacatcat ggaagcaggg aactttggtc gcttttagccc 76320  
cttatgggga actactatgg ggcacgatct cattcatgag ggctgtgctg tcatgatctg 76380

atcatctccc aaagtcccca cctcctatga caatgaggat taggtttcaa catatacatt 76440  
tttgagtagt acaaacattc agaccatagc atattgttaa taaaagttgc agaaaagaac 76500  
attgagaaac atggactaga tatgcaacaa gattcaagat agaattatct ctatggtaat 76560  
tgcttgtcac aaagaaggaa cagttgagag caggaaatcc tgcaaggaga ggaaaacttt 76620  
gttaaattta aaatgccaat tacaggcacc tgccaccagg tctggctaata ttttttattt 76680  
ttattttatt tattttattt tttattgag acggagtctt gctctgttgc ccaggctgga 76740

gtgcagtggc gtgaggcaat aaacagcaaa ttggagactc taggaattta atcagtaaaa 76800

ataccagctt gagaaatfff cccaggagtc aatctaaaat gagagaatgg ataagagttg 76860

tgagcacttg tctagaagat gtgatgcata caaaacaaaa attcaagaaa gaaagcagaa 76920

acagtagtca aataaatgga catcaacttg tctgagttga aggaacacat cagagtcfff 76980

cctgtacatt agataaaaacc catgataaga aaataatcat ctagagccat actggtaaaag 77040

ttttgcatat aaaaaatatg caggatgaaa agagcagatt aaatatcaat aaaccaaadc 77100

catcatfff taaatcaata gcatagaaag gcaattgaat caagtcgca gaggtttgat 77160

gggaaagact gcagagtcct tctgtatgc agagccacat gactgtcctg tgcctggac 77220

actttgcct tgggtggcct cttcctttac aaaaagacat tacaagttat ctttgtaaag 77280

acagctgggt gcagaggctc atacctgtaa tcttggcaca tcgggaggat gatgtgggag 77340

gattgcttga gtcccgagc ttgagactag cctgggcaac acagtgaat cccaactcca 77400

cgcacataca aataaaaaat tagctgggca tgggtgtgca cctgtagtac cagctactct 77460

ggagactgag gcaggaggat cgcttgagcc tgggaagtca aggttgcagt gagctgtgat 77520

tgagctactg cactctagcc tgggtgacgg agcaagaccc cacctttaaa aaaaaaaaaa 77580

tgactagtag aatccaggct ggatcacatt catfffftct cccaattfff aaagaaaata 77640

tttttagga gttcctgaaa ttatcttagg ctcttggcac tgtgtccact gagcgtaatg 77700

gagaaattgg cctgcctgt aaaagaaact tccagaccca cccaggggc tccaaatgt 77760

caaacgctat ttataaaact ttctgaaaa acttgaatct ttctgagtgg ttctggacat 77820

ataatcatat catgaattag gaagttgtgg ttcatagaa ttggccatgg accatacaag 77880

acatagaagt ctaaacaatt ttattataa tgattatgaa aattattccc taaagagtag 77940

ataaataatg ctaaatafat taaataatat acatttaaat atttatttat atacatttaa 78000

aatcctaagt cattaaaacc ttgaaaatta tgaagcaag gaagaaaaaa aaaggcaagc 78060

taactatttc tgctcacagg tagggcttat agattfffft ttttttggg gagaaaaggg 78120

attttatttt atttatttta tttttttaa ttcaattacc tttatttctt ttaggattta 78180

accttatgtg aatcatatta agacaatgat acatttgcatt ttgaggtgtt tatgattcaa 78240

ctaagttcc ctctgctfff tctttttta tatatatatt tttattata ctttaacttc 78300

taggatccat gtgcacaacg tgcaggtttg ttacatacgt atacatgtgc catgttggtg 78360

tgctgcaccc attaaactgt cgtttaccatt cggtatatct cctaattgcta tccctcccc 78420

ctctcccttc cccacccca caacaggccc cagagtgtga tgttccctt cctgtgtcca 78480

agtgtttctca ttgttcaatt cccacctatg agtgagaaca tggcggcggtt tggttttttg 78540  
 tccttgcat agtttgctga gaatgatagt ttccagcttc atccatatcc ctacaaagga 78600  
 catgaactca tcatttttta tggctgcata gtattccatg gtgtatacgt gccacatttt 78660  
 cttagtccag tttatcattg ttggacattt gggttgggtt caagtccttg ctattgtgaa 78720  
 tagtgccaca ataaacatag gtgtgcatgt atctttatag cagcatgatt tatattccct 78780  
 tgggtatata cccagtaatg ggattgcggg gtcaaatggt atttctagtt ctagatccct 78840  
 gaggaatcac catactgtct tctacaatgg ttgaactagt ttacagtccc accaacagtg 78900  
  
 taagagtatt cctgtttctc cacatcctct ccagcacctg ttgtttcctg actttttaat 78960  
 gattccatt ctaactgggtg tgagatggta tctcattgtg gttttgattt gcatttctct 79020  
 gatggcccgt gatgatgagc attttttcat gtgtctgttg gctgcataaa tgtcttcttt 79080  
 tgagaagtgt ctgttcatat ccttcgcca ctttttgatg gggttgtttg ttttttctt 79140  
 gtaaatttgc ttgagttctt tgtagattct ggatattagc cctttgtcag ctgagtagat 79200  
 tgcaaaaatt ttctccatt ctgtagggtg cctgttcact ctgatggtag tttcttttgc 79260  
 tgtgcagaag ctctttagtt taattagatc acatttgtca attttggtt ttgttgccat 79320  
  
 tgcttttggg ttttagtca tgaagtcctt gcccatgcct atgtcctgaa tggatattgcc 79380  
 taggttttct tctagggttt ttatggtttt aggtctaaca tttaatctt taatccatct 79440  
 tgaattgatt tttgtatagt gtgtaaggaa gggatccagt ttcagcttct tccatatggc 79500  
 tagccagttt tcccagcacc atttattaaa taggaaatcc tttcccgatt tcttgttttt 79560  
 gtcagttttg tcaaagatca gatggttgta ggtgtgtggt attatttccg agggctctat 79620  
 tctgttccgt tggctacat ctctgttttg gtaccagtac catgctgttt tggttactgt 79680  
 agcctttagt tatagtitta agtcaggaag cgtgatgcct ccagctttgt tcttttggct 79740  
  
 taggattgac ttggcaatgc agactctttt ttggttccat atgaacttta aagtagtttt 79800  
 ttccaattct gtgaagaaag tcattggtag ctgatgggg atggcattga atctataaat 79860  
 tactttgggc agtatggcca ttttcacgac attgattctt cctatccatg agcatggaat 79920  
 gtcttccac ttgttttgtt gttgttttat ttcgttgagc agtggtttgt agttctcctt 79980  
 gaagaggtec ttacatctc ttgtaagtig gattcccagg tattttattc tctttttagc 80040  
 aattgtgaat ggggtgttac tcatgatttg gttctctgtc tgttattggt gaataagaat 80100  
 gcttgtgatt ttgtacatt gattttgtat cctgagactt tgctgaagtt gcctatcagc 80160  
  
 ttaaggagat ttggactga gacgatgggg tttttagat atacaatcat gccatctgca 80220  
 aagagggaca atttgacttc ctcttttctt aattgaatac cctttatttc tttctcctgc 80280  
 ctgtttgcct tggccagaac ttccaacact ctgttgaata ggagtggga gagaggcat 80340

ccctgtcttg tgccgttttt caaagggaat gcttccagtt tttgtccatt cagtatgata 80400  
 ttggctgtgg gtttgcata aatagcactt attgagatac gtcccatcaa taccttattg 80460  
 agagttttta gcatgaagtg ctgttgaatt ttttcgaagg ccttttctgc atctattgat 80520  
 atatggtttt tgictttgtt tctgtttata tgcctggatta tgtttattga tttgcgtgtg 80580  
  
 ttgaaccagc cttgcatccc agggatgaag cccacttgat catggtggat aagctttttg 80640  
 atgtgctgaa ggattcgggt tgccagtatt tcattggtga tttttgcatc aatgttcac 80700  
 agggatctcg gtctaaaatt ctcttttttt gtgtgtctc tgccaggctt tggatcagg 80760  
 atgatctgg cctcagaaaa tgaattaggg aggattccct ctttttctat agattagaat 80820  
 agtttcagaa ggaatggta caactcctcc ttgtacctc ggtagaattt ggctttgaat 80880  
 ccgtctggtc ctggactttt ttgggttggg aagctattat tgcctcaatt tcagagccta 80940  
 ttattggtct attaagagat tcatcttctt cctggtttat tcttggagg gtgtatgtgt 81000  
  
 cgaggaattt atccatttct tctagatttt ctagtattt tgtgtlagagg tgtttatagt 81060  
 attctctgat ggtagtttgt atttctgtgg gatcagtggt gatatcccat ttatcagttt 81120  
 ttatggtgcc tatttgattc ttctctcttt tcttctttat tagtcttgc agtggctctat 81180  
 caattttgtt gatcttttca aaaaaccagc tcctggattc attgattttt tggagggttt 81240  
 tttgtgtctc tatttcttc agttctgtc tgatctcagt tatttcttgc cttctgctag 81300  
 cttctgaatg tgtttgctc tgcttctcta gttcttttaa ttgtgatgc aggggttcaa 81360  
 ttttagatct ttctgtctt gtcttgtggg catttagtgc tacaatttc ccgtacaca 81420  
  
 ctgctttaaa tgtgtccag agattctggt atgttgtgc tttgttctcg ttggtttcaa 81480  
 agaacatctt tatttctgcc ttcatctctg tatgtacca gtagtcattc aggagcagct 81540  
 tgttcagttt ccatgtagtt gagcagtttt gtagtagttt cttaatcctg agttctagtt 81600  
 tgattgcact ttggtctgag agacagtttg ttataatttc tgttctttta catttctga 81660  
 ggagtgtctt acttccaact atgtggtaaa ttttgaata ggtgtggtgt ggtgctgaga 81720  
 agaattgata ttctgttgat gtgggttgga gatttctgta gatgtctatc aggtccactt 81780  
 ggtgcagagc tgaattcaat tcctggatat ccttgtaaac tttctgtctc gttgatctgt 81840  
  
 ctaatgttga cagtggggtg ttaaagtctc ccattattat tgtgtgggag tctaagtctc 81900  
 tttgtaggtc actaaggact tgctttatga atctgggtgc tctgtattg ggtgcatata 81960  
 tatttaggat agttagctct tcttgttga ttgatccctt taccattatg taatggcctt 82020  
 ctttgtctct tttgatcttt gttagttaa agtctgttt atcagagact aggtattgcaa 82080  
 cccctgcctt ttttgtttt ccatttgcct ggtagatctt cctccatccc tttattttga 82140  
 gcctatgtgt gtctctgcat gtgagatggg tttcctgaat acagcacact gatgggtctt 82200

gactctttat ccaatttgcc agtctgtgtc ttttaattgg agcatttagc ccatttacat 82260

ttaaggttaa tattgttatg tgtgaatttg atcctgtcat tatgatgtta gctggttatt 82320

ttgctcgtta gttgatgcag tttcttccca gtctcgatgg tctttacaat ttggcatgtt 82380

tttgcagtgg ctggtaacct ttgttccctt ccatgtttag tgcttccctc aggagctctt 82440

tagggcaggg ctgctgggtg caaaatctct cagcatttgc ttgtctgtaa agtatattat 82500

ttctccttca cttctgaagc ttggcttggc tagataggaa attctgggtt gaaaattctt 82560

ttaagaatgt tgactattgg cccctactct cttctggctt gtagagagtt tctgccaaga 82620

aatccgctgt tagtctgatg ggcttccctt tgtgggtaac ccgaccttcc tctctggctg 82680

cccttaacat ttttccctc atttcaactt tggatgaatct gacaattatg tgtcttggaa 82740

ttgttcttct tgaggagtat ctttgtgggt tctctgtat ttcttgaatt tgaatgttgg 82800

cttgccttgc tgggttgggg aagtctctct ggataatctc ctgcagagtg ttttccaact 82860

tggttccatt ctccccgtca ctttcaggta caccaatcag acgtagagtt ggtcttttca 82920

catagtccca tatttcttgg aggccttgtt cgtttctttt aattcttttt tctctaaact 82980

tcacttctgg cttcatttgc ttcatctgat cttccatcac tgatacctt tcttccagtt 83040

gatgaaatcg gctactgaag cttgtgcatt tgtcacgtag ttctcgtgcc atggttttca 83100

gtcccatcag gtcctttaag gacttctctg catgtgttat tctagttagc cattcgtcta 83160

atcttttttc aagggtttta acttctttgc catgggttcg aacttctcc tttagctcgg 83220

agaagtttga tgcctgttag ccttcttctc tcaactcacc aaagtcattc tccatccagc 83280

tttgtttcgt tgcctgtgag gagctgcatt cctttggagg aggagaggcg ctctgatatt 83340

tagaattttc agtttttctg gtctgttttt tccccatctt tgtggtttta tctacctttg 83400

gtctttgatg atggtgacct acagatgggg ttttgggtgt gatgtccttt ctgtttgtta 83460

gttttccctt taacagtcag gacctcagc tgcagggtct ttggagttcg ctggaggtec 83520

actccagacc ctgtttgcct gggatcagc agcggaggct gcagaacagt ggatttttct 83580

gaaccgcgaa tgcctgtgtc tgatcgttcc tctggagggt tctctcaga ggagtacctg 83640

gccgtgtgag gtgtcagctt gccctactc ggggggtgcct cccagttagg ctactcaggg 83700

gtcagggacc cacttgagga agcagctctgt ctttctcag atctcaagct gcatgctggg 83760

agaaccacta ctctcttcaa agctgtcaga caggatatt taagtctgca gaggtttctg 83820

ctgccttttg ttggctatg ccctgcccc agaggtggag tctacagagg caggcaggcc 83880

tccttgagct gcagtgggct ccaccagtt cgagcttccg gtcactttgt ttacctactc 83940

aagcctcagc aatgggtgggc gccctcccc cagcctcgct gctgccttgc agttcgatct 84000  
cagactgctg tgctaccagt gagtgaggct ccgtgggcgt gggaccctcc cagccatgca 84060  
caggatataa tctcctgggtg tgccatttgc taagaccatt ggaaaagcac agtattaggg 84120  
tgggagtgcc ccgattttcc aggtgccatc tgtcacagct ttgcttggct atgaaaggga 84180  
attcgctgac cccttatgct tcccgggtga ggcgatgcct caccctgctt ctgctcatgc 84240  
tcggtgtgct gcacccactg tctgcaccc actgtccaac aagcctcagt gagatgaacc 84300  
cgatacctca gtiggaaatg cagaaatcac ccttcttctg cgttgctcat gctgggagct 84360  
  
gtagactgga gctgttccta tttggccatc ttggaaccgc cactgtagat gttatttaat 84420  
ttttgacatt gaccatcaga gaaaaaggag ttcagctata tatgtgtgtg tgtgtgtgta 84480  
tgtgtgtgtg tgtgtgtgat gtgtatata gtatactttt ttcctttatt ttttgagaca 84540  
aagtcttgc tttgcatata ggttgggaatg tagtgacctg atcacagtgc actataacct 84600  
cgaagtctg gactcaagtg atcctcctgg cttagcctct ctggtagcta ggactatgag 84660  
tgttcaccac cgtaattag cccaactaat ttaaaaaaaaa ttgtagagac aggggtctcg 84720  
ctatgtcaca tgggctgggtc ttgaactcct ggccctcaaac aatcctcctg tctcagcttt 84780  
  
cccaatgtac tagattatgg gcataaacca ctgcatctgg cttcaaatgt attgtttaaa 84840  
ttgaaataac ttgtagaaca gaaacaggaa tagctttaaa tcaatggata aaggaaaaca 84900  
taccatttag catagaacaa aaagtagaaa agggcaagaa agtgtgagaa aacaaagcat 84960  
gaggcagaag gacagtagta tagtcacatt ttgtgatgat aaatttgtca tagaacaaaa 85020  
tctagtgaag ctatatgcta ctttagagac atctacaaat tacatgttta agttaaaagt 85080  
gaaagacaaa aatggacttg aaaaaataca acgaaggaag atggtatttt aaaaatgaga 85140  
caaaataaaa atctcagaaa aaaccataaa tggaacaaag agctaagcg cacaagccac 85200  
  
aataaatatt tagaaattgt ttactcttgt atgatgaata acagcataaa agcacaagct 85260  
gataactaca aatatgagga aaaggcaaaa atttagtagc aagaagagaa ctaaatacat 85320  
tattcatctc taacaaataa gaaaaatcaa tatataaaat atttgaataa atgacttaat 85380  
aagtttgatt taatagatat aatttaaatt ttgtgtccta caggatatta acatatgttt 85440  
glaaactacc gttcacattt taagaaagct gacatttgag gcagtaaatg aaattttagt 85500  
aggttaagaa tggacacttt ttgggtgattc cattgaaaaa atattaaaga ttaaaaaaag 85560  
gttgactggc cgcgatggct cacacctgia gttccagcac tttgggaggc tgaggtaggt 85620  
  
ggatcacctg aagtcaaaag ttcaagacca gcctggctaa gatggagaaa cctgtctct 85680  
attaaaaata caaaaattag atgggcgtgg tggctggcac ctgtaacccc agctgcttgg 85740  
gaggctgagg caggagagtc acttgaaccc gggaggcgga ggtttagta agccgagacc 85800

atgccactgc actccagcct gggcaccaag agtgaaactc cgtctcaaaa acaaaaacaa 85860  
aaacaacaa acaaaaggtt tacaagtaa tgttatggag aatggtggag tagggagtgc 85920  
taagtatccc tcccttcaact gaagctcgat taagctgccc aaaactgtca gaataaactc 85980  
tttcaaaact ctagaatcta aaaagaaact tataacaatc aggggaagtac ttaatgaaga 86040

gagaagctgc taaattttga tgacagcatt ttggattttt ttgcttattt gcttataatt 86100  
ctccattatt cagctaagca gtggtcacag gactgacacc agctaacgtt cttggtgtcg 86160  
cttgatgcca tcccaggggg ccgatggac cttgttctca aagaattgtg gctggagtgt 86220  
tgatctgtct ggtgccaaac gagggatgaa ttctatgtct tgtctttgtt tcagcccttt 86280  
ggaacactgt caggactgga atggcctcct ggattgtggc tgtcaaaagc atttaatagc 86340  
atatacaggc acctgccaac ataccagct aatttttgtg ttttagtag agaggggggtt 86400  
ttaccatgtt ggttggccag gctggtcttg aactctttt tttttgaga cggagtctcg 86460

ctctgttgcc cgggctggag tgcagtgggt cgatctgggc tcaactgcaag ctccacctcc 86520  
cggattcacg ccatttcctt gcctcagcct cccgagtagc tgggactaca ggcacctgcc 86580  
accatgtccg gctaattttt tgtattttta gtagagatgg gggttcacg tgtagccag 86640  
gatggtctcg atttccgtac ctttgtatcc gcccgctca gcctccaaa gtgctgggat 86700  
tacaggcgtg aaccactgcg cccagccggt cttgaactct tgatctcagg tgatccacc 86760  
ccatcgccct ccaatgtgc taggattaca ggtgtgaacc accatgcctc accctggaat 86820  
attttataaa acacactaag gattgtattt ttcagtactt ttcaaactgt tcgggggcat 86880

gagctccata cactgccgat taccattgt gtgtcagggt tccaatcgcc aggatgttaa 86940  
tgttctcttc ttagttaaga tttctttcag ggaggccgag gtgggcagat cacctgaggt 87000  
tgggagtctg agaccagcct gaccaacatg gagaaacca gtgtctgcta aaaatacaaa 87060  
aattagccgg ttgtggtggg ggcatgcctg taatccagc tacttgggag gccgaggcag 87120  
gagaatcgct tgaacccggg aggagaggt tgcagtgagc cgagatcacg ccattgcact 87180  
ccagcctggg caataagagt gaaactctc aaaacaaaac aaaacaaaac aaacatag 87240  
tatatattat atacatataa aatacacaga atattggtat tttataggaa aaatatataa 87300

tatattggta taggtataag actgtaaaac tgacagtcct tcctcagggt gtgaattaag 87360  
aagctgagta tgtctttaag gaagcagctc tctcctgggt agactctttt cattatgttc 87420  
actgtctttt taaattgttc gtacagcaaa atacacaatt tgatggattt ggtcaaatgt 87480  
gtttgacaac catgtaacct atcaagtat agaacatttc catcaacaca gaccaggatt 87540  
tctcagcctc tgcctttgtt gtgggggggc tgcctgtgt atttagggct agttaacagc 87600  
atcctcgacc tctgcccact agatgccagt agcatgacaa tcaaaatatc ttcagacatt 87660

gctacatgtt cccccaggga caaagtcacc cctggttgag aataaccgcc atagaatgtt 87720

tctttctggc ccattgcaat caatccccct ttctcccaga ggtaactact cttctgactt 87780

acatctctat agattagttt tgccctgttct tgaacttttt ataaatacag gtacacagta 87840

tggctctctt tggctctgtc atccctagct caacgtaatg tccatgagag tcttatttgt 87900

tgtatcagtt ccaagatatc aatagaccgt ggttggttag ccattctccc ttctcatggac 87960

gtttgggctg ttccagtggt ttggctatta tgaacaaagt agctgtgaac attcttgtac 88020

aactctttgt gtaaacacat attttcattt cttctgggta aatatgcaag gtatatggca 88080

ggtaaatatt taactctaca agaaactgcc aaattgtttt ccaaaatggc tatatcattt 88140

tacgctccaa ccagcagtg c tgagagtcc aggtgctcca caatctcccc aacgttttgt 88200

gcatctgtc ttccattagg cattctgggt ggtgtgtgtt atctcattgt gcttctaata 88260

tgcatttccc taatgactag tgatatgaa caccttttaa tgtgtttatt tcaaatatat 88320

atatcagaca aatgactgc atctagaata tatacaaac tctgaaatca atattaaaaa 88380

agacaataa tccaatgaaa atgggcaaaa ctcttcacga aagaagcatg aatgtcacat 88440

ttttgttgta tctttccac actccactc atcacttctg cactggatgc tgctctttgt 88500

tgaacaacag tgcttactta gtgtgtgtca aaccatttc taagcacttg acaatgttaa 88560

ctcacttacc cctcaatatt agccattta attctcaaaa cagccctata aggtattatt 88620

attccactt tagagaagag gaaactgaga cagtgagtct aagtgtttg ctaaaactca 88680

cagctgggtg gatgaaggat ccaggattcc ggcccaggca gcctggctcc aagctcttaa 88740

ccacgatatg cacagtgtgc gcttctcctt acaaggcaga tgctatgagg tatctcaatc 88800

cctctgctgc actttctcaa agtgagtgtt caaaatttta tcagtaacag gatgttgggt 88860

ttcagatacc cgtaatacag aatcgatatg ttatgttg ctttctact gctgattgct 88920

gttactcaat ttccatcgt ttgtagggtg ccttaggagc tgtgactttg atgtctctg 88980

taggtaaaaa gatgtttttc aaatcccttc caactgttgt cttcttgtg gtactaggaa 89040

aggttttata gttttcttta aggaaaaaaa gaaaaggatt aaaaaagaa aagataaatt 89100

ttggtttgag agctgcctga aaagatttgc ctgctctaac tcaaaagctt ttctccatc 89160

gcatttctga atatcactag ggacccctta ctttctcct ctcttctctc cctccatcag 89220

tagtgactgg ggttaaaagt tacctgcttg cagcaagatt ctggttcacc tggatgatg 89280

gcttggctgt gtccaatcc aaatcttttt ttttttttt ttaatatact ttaagttcta 89340

gggtacatgt gcacaacgtg caggtttgtt acataggtat acatgtgcca tgttggttcg 89400

ctgcacccgt caacttgica ttacatttag gtatttctcc taatgctatc ccttccccag 89460  
 tccccaccc actgacctgc cctgggtgtg gatgttcct gccctgtgtc cgtgggtctc 89520  
 attgttgagc tcccacctgt aagtgagaac atgcagtgtt tggttttctg tccttgttat 89580  
 agtttgctta gaatgatggg ttccagcttc atccatgtcc ctgcaaagga cgtgaactca 89640  
 tcctttttta tggtgcaca gtattccatg gtgtatatgt tccacatttt cttaatccag 89700  
 tctatcattg atggacattt gggttgggtc caattctttg ctattgtgag tagtgccgca 89760  
 ataaacatac atgtgcatgt gtctttatca tagaatgatt tataatcctt tgggtatatg 89820  
  
 ccaagtaatg ggattgctgg gtcaaatgtt atttctagtt ctagatcctt gaggaatcgc 89880  
 cacactgtct tccacaatgg ttgaactaat ttacactccc accaacagtg taaaagtgtt 89940  
 cctatttctc cacatcctct ccagcatctg ttgtttcctg actttttaat gatcatcatt 90000  
 ctcatctaa ctggcatgag atggcatctc attgtgggtt tgatttgcatt ttctctgatg 90060  
 accagtgatg atgagcattt ttgtatatgt ctgttggctg cataaaagtc ttcttttgat 90120  
 aagtgtctgt tcatatcctt tgcccacttt ttgatggggg tgttttttc ttgtaaat 90180  
 gtttatgttc ttcttagatt gtggatatta gccctttgtc agatgggtag attgcaaaaa 90240  
  
 ttttctccca tttttaggt tgccgttca ctctgatgat agtttctttt gctgtgcaga 90300  
 agctcttttag ttttaattaga tccattggg caattttggc ttttgttgcc attgcttttg 90360  
 gagttttagt catgaagctt ttgcccatgc ctatgtcctg aatggattg cctaggtttt 90420  
 ctctagggt ttttatgatg ttaggtctaa aagtctttaa tccatcttga gttaattttt 90480  
 gtatatagt taatgaaggg atccagtttc agctttctcc atatggctag ccagttttcc 90540  
 cagcaccatt cattaaatag ggaatccttt ccgatttct tgtttttgtc aggtttgtca 90600  
 aagatcaggc ggtttagat gtgtattgtt atttctgagg cgtctgttct gttccattgg 90660  
  
 tctatatatc tgttttgata tcagtacat gctgtttttg ttactgtagc ctgttagtat 90720  
 agtttgaagt caggaagcgt gatgcctcca gctttgttct ttttgcttag gattgtcttt 90780  
 gcaatgcggg ctcttttttg gtcccatatg aactttaaag tagtttttcc cagtcttttg 90840  
 aagaaagtca gtgtagctt gaggggatag ctttgaatct gtaaattact ttgggcagta 90900  
 tggccatttt cagcacttg attcttctta tccatgagca tggaatgttc ttccacttgt 90960  
 ttgtgtgttc ttttatttgc ttgagcagt gtgttagtt ctcttgaag aggtccttca 91020  
 catcccttgt aagtggatt cctaggtatt ttattctctt tgtagtaatt gtgaatggga 91080  
  
 gttcagtcatt gatttggctg tctgtctgtt attggtgtat aggaatcctt gtgatttttg 91140  
 cacattgatt ttgtatctg agactttgct gaagttgcct atcagcttat ggagattttg 91200  
 gactgagacg atggggtttt gtagatatac aatcatgtca tctgcaaaca gggacaattt 91260

gacttcctct tttcctaatt gaataccctt tgtttctttc tcttgccctga ttgccctggc 91320  
cagaacttcc aacactctgt tgaataggat tggtagagaga gggcatcctt gtcttgtgcc 91380  
agttttcaaa gggaatgctt ccagtttttg cccattcagt atgatattgg ctgtttccca 91440  
ttcaaactctt agcttgcatt gtatcttcca gaatccccac ttgttgtggg agataattga 91500

atcatggtag ctgatctttc ccagactact tttgtgatag ttaataagtc tcatgagatc 91560  
tgatgggttt atcaggggtt tctctttttg cttcttcttc attttctctt gctgctgcc 91620  
tgtaagaggt gccttttgcc tctgccaatg attctgagac cccccagcc atgtggaact 91680  
gtaagtccta ttaaactctt ttttctcca agtcttgggt atgtctttat cagcagtgtg 91740  
aaaatgaact aatacagtaa attggtagca gtagaatggg gtattgctga aaagatacc 91800  
gaaaatgtgg aagcgactat ggaactgggt aacaggcaga agttggaaca gtttgaagg 91860  
ctcacaagaa gacggaacat atgggaaagt ttggaacccc ctagaaactt gttgaatggc 91920

tttgcccaaa atgctgatag aaatatggac aataaggtcc atgctgaggt ggtctcagat 91980  
ggagatgagg aacttgttgg aaactggagt aaaggtgact cttgttatgt tttagcaaag 92040  
agactggcag cttttgccc ctgccctaga aatatgtgga actttgaact tgagaaagat 92100  
gatttagggt atttggcaga agaaatttct aagcagtga gcatttaaga ggtgacttgg 92160  
gttctgttaa gggcattcag ttttataagg gaagcagagc gtaaaagttt ggaaaacttt 92220  
cagcctgact atgtgataga aaagaaaaac ccattttctg gggagaaatt taagccagct 92280  
gcagaaattt gcataagtag caaggagcct aaggttaatc cccaagacca tggggaaaat 92340

gtcttcaggc catgtcagag accttcatgg cgcccccctc catcacagac ccaggaggaa 92400  
aaagtgggtt catgggccgg gccagggtc cccgtgctgt gtgccgccta gggacttgg 92460  
gccctgtgtc ccaaccactc cagccatgac tgaaggggc caactacag cttgggctgt 92520  
ggcttcagag tggaagcccc aagccttggc agcttccatg aggtgttgag cctgccagt 92580  
cacagaagtc aagaattgag gtttgggaac ctttgcctag attcagaag aggtatggaa 92640  
acactggat gccaggcaa aagtttctg caggggtggg gccctcatgg agaacatctg 92700  
ctagggcagt gtggaaggga aatgtgggt aagagtcctc agacagagtc cctactggga 92760

caccacctag tggagctatg ggaagagggc cactgtctc cagacccag aatggtagat 92820  
ccactgaaa tttgaccgt gcacctggaa tagccacaaa cattaaacac cagcacctgt 92880  
aatagccgca gacacaaaac gccagcctgt gaaagcagct gggagggaagg ctgtaccctg 92940  
caaagccagc gggcggagct gcccaagacc acgggaaccc acctcttgca tcagcatgac 93000  
ctggatggga gacctggaat cttttgaag ctttaaaatt tgactgccct gctggatttc 93060  
agacttgcac gggccctgta acccctttgt tttggccaat tttctccatt tggaatggct 93120

gtatttaccc aatacctgca cccccattat atctaggaag taactagctt gcttttgatt 93180

ttacaggctc ataggcagaa ggtacttgcc ttggtctcag atgagacttt cgactgtgga 93240

cttttgggtt aatggtgaaa taagttaaga ctttggggga ctattgggaa ggcatgactg 93300

atittgaaat gtgaggactt gagctttgga ggggctaggg gcggaatgat atggtttggc 93360

tgtgtccgca tctgagtctc aacttgaatt gtatctccca gaattctcat gtgttgtggg 93420

agggacccaa gggaaggtaa ttgaatcatg ggggctgac tttcctgtgc tattctcatg 93480

atagttaata agtctcacia gatctgatgg gtttatcagg ggtttttgct ttgtcttctt 93540

cctcattttc acttgcttct gccatgtaac aagtgccttt tgcctcccgc catgattcag 93600

agacttcccc agccatgtgc aactataagt ccaattaaac ctatttttct tcccagtctt 93660

gggtatgtcg ttatcagcag tgtgaaaatg gactaataca cctgggttta cagcctttct 93720

gttccatacc cactggatgg gttatttatg tgccatttta tttggaacta ctgttacttt 93780

cctaataata taacaagatt ttgtgtgtaa gactcttctc actattatct tactcgtttg 93840

aatttgtttc attttaataa ggtaatatit aaattgcact taggaactag taatatatat 93900

gtttaaacat actttaatgt tgtgtataat cacaaactaa tattcattta agtgcagggg 93960

actgtattca tccagttaat ccaataaaca ttatttgaat acttgctatg tgccagggac 94020

catggggaga tacaagtgag gtatagtttt gtctctatca cgcagatgct tgaaacatct 94080

agtcagatac atgttaatta ccattgagtt tcaaaagttc tctacctca agggaggcaa 94140

cagtagcctt cagcacctca cagtgttctt ggcgtgagca gccctccatg gcacagatct 94200

tgagctggtc tactccgtgc cagcagagga actagacttt gagaaacgag ttggatttag 94260

aacagtgaca aatgagcagg tgtgaggtgg cactccaggt acatagaaga gcatagttaa 94320

aggcatgtgg tgagttgtcc agttcatttc cctacaggcc aagagctagt gagatgcaaa 94380

tctggggctg aggggtgtgga ggcctctttt gccatgaatg ttgggcaaaa gaatgttctg 94440

tggcaatac agactgttcc caccatctct aaatggtagg atgtgagaag tagagctaga 94500

actggcacat ctctccata accgtttttc aaagccacat ggaaatatta caaaggcttg 94560

acaattcaca gggcaactaa aataccaact acaatactta cgacagatgt cctctctaag 94620

tagcacattt tcaagtgata aacaatagag atgtctctcg gtctccctct tctgtcacag 94680

tctttggaca gtttttttg cttttctttg aatattgtgg aggaagtgtt ggtatctgag 94740

acttttcaaa aaacaaatat tgtcatgcag gtggatatag tccaggagtt gattttatgt 94800

tcaggagggc ttccaaaagt gcctggattt tccaaaagcc tatittaaag ggcaatttga 94860

ttcaacatga agatattgaa atgtagtggc tggcgcgagt ggctcatgcc tataatccca 94920  
 gcactttggg aggccgaggt gggcagatca cttgaggtca ggagtttgag agcagcctgg 94980  
 ccaacatggt gaaactccat ctctactaat aatacaaaaa ttagccaggt gtggtggtgc 95040  
 acacctgtaa tcccagctgc tctggaggct gtggcgggag aattgcttga acctaggagg 95100  
 cagagtttgc agtgagctga gattacgcca ctgcactcca gcctgggtga cagagtgaga 95160  
 cgccatctcc aaaaaaaaaa aaaagatat gaaatgtaat aaaagcaaat gtacctagaa 95220  
 gtaactggtg acccaacgtt atgaacaact gaaataattc cctctctgta ctgaagggtc 95280  
  
 ggggtgcga gtgccgaatg atctgggtgt cggcttccca catgctatga tttttggctc 95340  
 acagaacatt gagatcagaa aggagcaaga cctcaggat attccaacta tcaggatgca 95400  
 aagagaatgg ctatggtagc atgactgcac tcttcaacct cctctctata ctagctaggg 95460  
 aagtgtctgg cttttaaaat gaagctcttc attacataat ctgcactgct ccttccaagg 95520  
 accattagag ggaagacaca ataggtggca ctttctttct ttctaccaag cagagggttt 95580  
 cttgtgtaaa atgctgtgtt ctctccattc ttcagtagaa ctacgaagca cacacgtttc 95640  
 attgagtcac aggagaagca cccaccatca tgagtaaagc cctgtgcgga cacagtgggt 95700  
  
 taaaaacaga tatgacatgg cctcttccca tggaggccac atctgggagt tggaggagag 95760  
 acatacactt ataaccacag gtagcattta caaaagcgac atgaactaga tgctgtgaga 95820  
 acagaaggcc tgagatggtg aaatttggcc aaggagctg agaaatgctt ctatgttgaa 95880  
 atgacacttg ggattttag gaggccttgg ttttgccagg tggatgagta ggaaccttc 95940  
 aggtagaggg catactcagt ctgtgtgagg atacaaaggc atcctgggtt tggactgtat 96000  
 gatcccatth atttatttgt ttgtttgttt gtttgtttgt ttgatggagt ctcggtctgt 96060  
 taccaggtc ggagtgcagt ggtacgatgt tggctcactg agacctccgc cttctgggtt 96120  
  
 caagcagttc tctgcctca gcctcccag tagctgggac tgtaggcacc tgccaccaca 96180  
 cccagctatt tttttgtatt tttagtagag atgggtttc accatgttag ccaggctggt 96240  
 ctcgatctcc tgacctcaga tgatctgccc gctgggtttg gactacatga gtgagaaggc 96300  
 aggaaagctg aaagatcagg tgggtaagat gtgcggggcc atattgtcac agaccttcac 96360  
 ctctatgaag aagcatttag acttgatctt gtaggtcttg gggtgacata gactatgcta 96420  
 cgcaggaag tataatgaga gcagtgtttt ggagagacac cggcaacagg gaggaggagg 96480  
 cctggactca ctcatgcagg gctggcaata agaaatcact ttgggaaggt atttaagtag 96540  
  
 tcattcaatg gccatgtttg tgggtgtgaaa gataacgggc tctgactcct gactccttgg 96600  
 gtgtgaatcc cggtcttacc tcttactatc tgcatattcc tgtgcaagtt actcagtctt 96660  
 tctgtgcctt ggtttctttg tataataaat gaagataata gcagttacta gagccgtgct 96720

tctcgaaactg gaatagaata tgcacaaaca tcagcttgtt aaaatgcaga ctctgccagg 96780  
catggtggct cagcctgta atcccagcac ttccggaggc tgaggcaggt ggatcacctg 96840  
aggtgagggg ttgcgacca gcctggccaa catagtgaac ccccatctct actacaaata 96900  
caaaaaatta gccagggtgtg gtggcacacg tctgtagtcc cagctactca ggaggctgag 96960

gcaggagaat cgcttgaacc cgggaggcgg aggttgcagt gagccaagat agcaccatta 97020  
caatccagcc tgggcaacaa gagcgaaact ctgtctcaaa aaaaaaaaag gagactctga 97080  
tttagtgaac ccagggtgga acctgaaatt ctgcaagctc ctggatgggtg gtgatgctgc 97140  
tgtccatgg gccatgcttt cggtagcaag atttctaatt actgtttcga agattatatg 97200  
agtaaataca tgtaagaaac acgaagagca gcatgtggca tagtaagaga tagctaatgt 97260  
taggggccag gagaaagtct aaaaatata ctcaattact gctttacaag agttttatgc 97320  
actagaaagt tctctaaaga caattacttg gtattttgc tccctttctg gccagctacc 97380

tgcagaggggt tagtgtggct cagtcttggga gagggaatcc aagcgacctg taataatagg 97440  
caatgcaatt cagccgcagg caaggtggcc acacagtta tgaaggctact taccctgtg 97500  
tctcttccag gtctccata aagtttgggt agatgacagg atcatcagaa ctgtcctaag 97560  
tgggacatga ggtttccatg tgcagcgagc tccaggaaga tatgggccga ctgttgagta 97620  
ccctgtaaac tctagggatt ttagctgcag cttcagttgg ggctgagatg ggctacctgc 97680  
tgactttctc atagagcaga gaagaccaag ggtgaaaaag cgatgcttg aattttgag 97740  
agatattagg aaaattgggt atatgagatt gaatgacaaa gaaaaaaca ggcaataaa 97800

ctttgttaag tacttagatt ttattttctc tttaaaggca ggctttggcc agaaaaaag 97860  
gaaaaaaaaa aaaaagaaaa agccccaaac ttctctcttt ttctcttttg gctttcccca 97920  
atctcccacc ctactttcag cagctttgtt ttgtttgtt ttgtctgtga aaaataagcc 97980  
ctgcttgggg agtgaagagt gggctctccag tgaagaactt caacaggact tctaaagtat 98040  
taccttaag gccattgtac atgagaagta aatatgtttt attaagcaga aattttgcaa 98100  
catgcatata cttgactctt tgtgaaaagc tggaaaaact gaaaagaaaa ggaaaaatcc 98160  
taataagtaa aacttcaaat ggctccagag agtcattcca cagacatttc tctatggcat 98220

ttctgataca tgtaaggaaa agataaatag taattacttg ggcttgaaag cttggctttt 98280  
tctttttttg agatggagtc tcaactgttc gccaggtctg gactgcagtg gcgcgacttc 98340  
gactcactgc aacctctgcc ctccgagttc aagggtattc ctgcctcagc ctccctgagtt 98400  
gctgggatta caggcgctg ccaccgcgcc cggtctaattt tttttttttt ttgtattttt 98460  
agtagagacg gggtttcacc gtcttgacca ggctggctctt gaactcctga tctgtgatec 98520  
acttgctca gcctcccaaa gtgctgggat tacaggcgtg agccaccgcg cccggccaca 98580

ccttggctta tttttaatg tccgactgga aaacatggt tgcctaactg tgctacttgg 98640  
  
 aacaagtacc caagccttag ttttaatacc tgcataattc aggatagtaa atgaaagatt 98700  
 tgctgtgaat gttcctcaag tctctcttgt gcctggcaca gtgtaggcac tccaaaaatg 98760  
 ttgtctgaat gaatgaatga atgactaaat aaataaatga aagctcacgg gctacatitt 98820  
 gcttagataa aaccccagtt atcttttttt tttttttttg agacggagtc tcaatttcca 98880  
 tcctttcctt cttgaaactc gcctccctgt tcttcacaa tacttctgag attctcaatc 98940  
 aggtctgtct atgcaatgga aggactggtt gatgcaactg agttctgatt ggtcagata 99000  
 aatgagcctt gatgggttga taaaactgag ccgtgattgg ccagggcagg tatctctaata 99060  
  
 tggttggttc aggtgagctc tgattggttg gtttctgaga caaacatagg aagtctctgt 99120  
 gagatgtttc tttaaaatgg ccagtggggg taggggtagc tggatttctt gctgcagttt 99180  
 atcttggcag tgacagcagc aactggtttg gctgcatcgt acaaaaggag atcctgtgat 99240  
 gcttttaca tcttttccg ataacacaca gtatgtggcc actccctcat ccagctgtgg 99300  
 tcacctggtt ctgttttaac ttgacacacc tcagttagcc acagaaagtc catittgtct 99360  
 gtaggcgggc ggacgggggc gcacttcagc accacgcacc cgattgtact ctatgcaacc 99420  
 ggccacaaag cgggaggggt gtttgagtcc taatttgccc ttttgaggag cttttccata 99480  
  
 atggaatttg ttactgttag ctcttctcct ataagataaa cagcatactt gaatggggga 99540  
 ggggtgctag agcaaggagt ttaaagaagt ctggaaaat atcaaccctt tgttcttctg 99600  
 ctaactgtg cttatagcgt ggaaaatctt actttccaga ttgcaaaaca gacagcttgc 99660  
 taaggtcag gtgcttttca tgagaaatct ttgctacatc agttttctc atgcactctt 99720  
 cagtttattg gcagaacttg actcttggig tgacccttcc gtatggcttt ggccctgcct 99780  
 tgccttccac acctctctca aaaccaccgt attaaagatt ctgctgcaat ttccagcctt 99840  
 tccttcttga aactctcgcc tccattttct tccacaatac ctctgagact ctcagtcagg 99900  
  
 tctgtgtata caatggaagg accgaaattt tcttagtttt gattggttga tgcagctgag 99960  
 ttctgattgg tcaatatctg tttctctgct tcttcttctt gtttctttat ttgtctctg 100020  
 agagatggac ttctccagaa gaatagcctc gtgccctggg aatcctctc ctctaggctc 100080  
 atctcatata tgtccattgt gcttaccga taaattggc acctcaaaca tattccaac 100140  
 agtccccctg agcttcagcc cteccctgca tctctgggtt ccttcactg ttgcatcctt 100200  
 tcacctagcc attcagttgg caaatcaaat tcagtgccac caagtcaact catggcttcc 100260  
 accctcaaa tcttctttc tgtgtttctt agttctgtga gtggtacca ctatctacta 100320

tttcccaaag ccaattacct aattaaaaca catatcaagg gttagtcatc tccgggtaag 100380  
ctgtctgaaa atgtgcatgt ttgtaagggg cagagaggaa gacactcttc ctgtcctcaa 100440  
ggagctcaca gtctagcaga gatggcagac atggcagccc atgcggacag aacaccagga 100500  
ccagcctggt ggactgggtac atggccaagg ctgaggaggc aaggtggaag ggcaatcata 100560  
tactctgtct gggcaaggcc tctttaagga gagaatggca ccccatga agtaggagtt 100620  
tcgtagctgt tggttgagtt gaagtttgca aactcaactt ccagcgttgg tccaggtctt 100680  
gtaagattta gaggtgcacc ctccaaagca caggtgccag tgatgggcga gaggtttctt 100740

ggccacttcc tcaaggtaaa ggattactga agagaccagg gcatttggat ttggctcacc 100800  
aagaaaggaa agagctcaga aaggaggaaa aagaagagcc agtttctctt ctgaattgct 100860  
tccctcttag tctggagccc catatcctgc ttcaggtgaa gaatgagggc ttttgtgtgt 100920  
gtatgtgtgt gtgcgctttt gatTTTTTaa actacagagc tactcagaga ttagggggcc 100980  
aaatttggtt accacttctg gcaacctact gaccctttg aaatgggcat ttccatgagt 101040  
gcacctttcc caaacttttg agtttattaa ctctagagga aaatgactcc tcttctccag 101100  
ctttccaag agaagcctct ggagtacatg aagaccaagc ctctcatttt acagatgagg 101160

acactgaggc ccattgacct ggtgtccctt gctcggagca gcatgcaagc agtgatcaga 101220  
caatgctggg gctcagaagt catcccccctc agtctcccat ctggatcagc ttttcaaggc 101280  
tgggcaagtg actctgcctt gtctgtgtgc ttggcactgc acctctgtct gggactgggg 101340  
tccccaatag gataggacce tctgttccag tccagccaga tggcgagctg ggaagtact 101400  
taaagaaact aaaacctgag acaaagagtg gtaaggctctg agagaaaatc agcatgtgtg 101460  
atttgtcctt ggaaggggga accacttctt gtaggggaaa cttctgact tctctctcta 101520  
taggccccat atagtaaacc cttaccatta actcaatgcg ggctgagcaa gagacatgta 101580

tgatccttct accactcctg taaaacatgg gctgcttttg ctttacagaa gaggaaactg 101640  
aggcacagag tggagccatg aatttgggtga gttgcagagc ggaggctcag acctccacc 101700  
cattcctcct ggctcgggag ctgtgttctt gggccccctg gacagtggta gcgctgaaag 101760  
gacctggcgt ctcacacttc ttatcttcat tccaattccc ttttctcaa gaaaattccc 101820  
actcactctc ccagttcacc ctttctttc tgtctttaag tggcttcaag cgacaaagtg 101880  
gctggctcct ctgtttctct ttccttttta tgcctattgc aagaagctgt aataatcaaa 101940  
gacggccaaa actttctttg aactgggtct ttgtggcctt tttgcagtct tcagacctca 102000

tggtttctca gtggcagttc atcccagcag cttctccttt ctctgcctgt gacttctgcc 102060  
gcacttgccg gtgtaccat acactgccgg tgggtgttgg cccatggtga cacagcgtt 102120  
ggcaatttac acaatgcttt cagctctacc ctactgaaac gggaaaagt ccttatccc 102180

cctcgcaggg cgtgcaacag ggggtgtgact cacttcttcg gtgccctgct gctcacaccc 102240  
 ctcaggggga gcctgcagga caagtgtgtg cagcattttg ggctctgacc ctgtggcagc 102300  
 atctaggggt gagtgtttac agctccgga gccccagtga gtgtgtgata cagggtgctc 102360  
 tttcagtttt gccgtctgca ggtggcctgt gttaatcaac tcaattagac cctctgcctt 102420  
  
 attgcaagga cagagggctt tctctatccc aggttcttgc ctcagtgtat cagaaaaatt 102480  
 ggatcacatg tgggcttga ggatgggtgc aaggttttat tgagtggagc tagctctcag 102540  
 tgaggtggat ggggggcccag aagggggacg gagtgggaag gtggtcttct cctggagtcg 102600  
 ggctgtccag cggctgggtc ctccccgac tgcctccagc tgaattccat gtcacccgcc 102660  
 atccattgcc tgcgggcac tgccgggtgc tgcgggtgtg ctcttctgt catttgctcc 102720  
 tctcaacgtc cagctgcctg tgtctgggtc cactagggtc tcggggtttt ttaggcacg 102780  
 ggatgggggt gtgtgggtgg ccagagtgtat ctggaaaac gcaacattg agctcgaaaa 102840  
  
 caggagtgcc tgcctcact taggtacgtg ggcacaggcc tgagggtgga gccctcgcca 102900  
 gggaccccag cttctttac ccagacttc cctgtctcc tcccgtgtca ctgtcacagg 102960  
 tgagctccct gtctcggagt gcctcttctt ggttacacca tgtaggtcgc gtccctacca 103020  
 agggatcctg ctttctgtt ctccgttgat tggacacggg ttggacattt gatcctgggt 103080  
 tgggtaagg aatctattg atggccacag ctgtgccatt cctcattgaa gagtttgaga 103140  
 gactgtggtt agactgtgt gctctgtcgt ctgctagggc agaggtgacc tcccaagat 103200  
 tgcaaatgtg gagaaaagag ccttgaaaag ttacaaatcc tctgagaaga aggaaatgaa 103260  
  
 gctctggaca aaggggaccc gagagaagac ctgcaggccc agagaggcag aggagagaga 103320  
 gatggagagt ctgtgactgc cttccagtt tctgttctct gttctgtgat agtctacttt 103380  
 ctgcagaaaa gaaagccttc ttttgagaat tctagtctgg ctgattttct gttttctttt 103440  
 tatacaattg cacgaaggct cccaagtgc tcaagtttcc cttgcttggc atgttatcct 103500  
 catacacaga atctctctg tgtgctagt ggattgcca tccagatcc taaggcattc 103560  
 atagtcccg cagggacctc cctgcagaga gctccttgc ctactagcac ccagtttcat 103620  
 ttgagaaca tcactcagct acagatcctt tgcgtgacca ttgcaagctg tgaagaggag 103680  
  
 gcagtgtgt ctcagatggg gtcttcttcc tgtttctct tccttctaga aagatgaggc 103740  
 atatgtgtaa gactgcagtc agcaggggcc accagagaat cttccacttg aatggccggt 103800  
 gatgctttcc caaagtttgt gctgtgagc aggaggaggc ctggtttgt gggcagagag 103860  
 ggtggcaaga acaggaacta acagagaggg tggcaacaac agaacagttg cagatccagg 103920  
 agctgggac aagagctcc tgtgggggt gtttccaatc attggggaat gaatgtgggg 103980  
 agggagatgg ctccccaat cagatacact acatttctca taagagcagc ttgtaaggct 104040

ttgtcccatg ttcaggggcg gctgcgaagg cctcttgggt ggcagcctca ttgtgactga 104100

tggtctcatg tggggagaga aggggagact ggccttggca tccaggctgt ggaaggggaa 104160

gggaggagag agctgtttct ggaattggag tgaggaggaa ggtagaggaa gaaagccata 104220

cggtttggag ggcctagggc tccttgaaaa ggacttctag gccagcccca gcagggactt 104280

gtggagttagg attacagaac atgtatgtgt cctggtaggg agggcagaag cctgaagctt 104340

ccgggaggct tagagggagc acagcaagag gaatcctgaa atgagagtgg aagaactggg 104400

gactgtgagg ccagagaagg cacgcaggga gctgggtctt tgaactttct agttctagt 104460

tcaggattct gaaatacagt aagggttgac tcacatcttt attacttggg cctaattaag 104520

aaaaaagaaa aagcaacaaa agaaaatggc agaaaacatt tatgaccttc aaggatctgt 104580

gatgcctgcc ctgacacaca cccctgaacc ctgggcagga accatcactc gtacatcaca 104640

atgacttggg tttgatatct tcaaatTTTA atccaagcaa agccatgaaa gcctttgctt 104700

tcttaaaaga ggccgacttt tccttagttc catttgaatt tactttttaa gccctctttt 104760

cagagctaga aataaatttc ttgtaaattt ctgcataaac acgcctgtcc ccatttcaac 104820

agggttctgt agttgacagt gcttttagtga actagttctc acaaaacatg tgcaacgcaa 104880

acttcatttc gtccagtc cccttgcaaa aagataattg ccagttgtat gctgtttgtt 104940

ttgtattctc agaaaagaaa aagggaacca aagggaact tttcaaatat ttttactgt 105000

taaatctaaa ttccctatct ctcttttaaa aaaaaatcta tataaataca tggggtacaa 105060

gcgtaatttt gttacactca tagattgtgt agtgggaag tcagggttc tgggatatgc 105120

ctcacccaaa taacatacat ggtgcccatt aagtagaat tctctcttta ttgaaaatat 105180

tctaatacagc caaaacttta agacttgtgt ataaacattt gtgtagctca taacaaatag 105240

caaagaaatt taggaaagga atcataattc ctaaaacctc accgccgttc cctctgggtg 105300

gcagtttctt taaactacce tctaactcta tgagggaag tattgcctac ctggcttggg 105360

ttggccgcta ccagatggat agattttctg tgctgcctc ttcacaatga gatttgtgaa 105420

ctacttgggg gcagggactg ttctcagacc cacttctcat ctctgtacct ggcccataat 105480

gagtactcaa tagatgttgg tggaatgaaa ctgctttgta aatcctacaa gttttaggtt 105540

tgaagctctg atttcttctc tcagagcata gacattttaa attatgacgt tctggtgtga 105600

agaacagcat ctggccctgg ccatcaggca cgccactgac aaacctccac gttggaagaa 105660

acgcccatgg aaggaggcca ggccgagctc ccacaggga gcaatctcag agtctgggtg 105720

ttggactaga ggggaaccca gagatcatcc agcactgccc cttcaaatcc tctaatttac 105780

ctgtgaaagaa aagaatttct gtgattttca gatatacttt ttttccccga agatactctg 105840  
 gaaaaataa aaccttgaat ataacctgga gctttttgta ccctacgact gaaaaatgac 105900  
 tcagagaaag accccggctg gagagtctct tctttctcac actctttgtg gtacacgtat 105960  
 ggcttcattg cctcccttac ttacaggaat gaaaagagag atgggatctc tgtgcatgtg 106020  
 tcatcaggtc cttaggggac cagtagattc cttccttttag cttctctgca gataaaacca 106080  
 atccttagag acccgaagca gagctctttg gagaaagcag caggggctcc ttcctggaag 106140  
 tgcccatgg gatcctccct ggaaagaacc cagagtgcaa aggctgcgag ccgtgccct 106200  
  
 cccggggcag gctgggagc ctcaagctga gtgctgattt gctgctgaca ccagcagcg 106260  
 cttctgctgc ttactttgag gccttctgga aatttgcttg gaaatacttc tgtaaagctc 106320  
 tccctcccag gggcagaagg aaggctctca ctgtggagtg ttatgtgctg agatgttaca 106380  
 ggtgagacac tcagcatcag accacagcag ctacagcttg aaaaaaggac caacatatca 106440  
 tcaaagtcaa cttcacagga aaagattcag agggccctcc catcccatga tattttgctc 106500  
 tagaaagagc aggtcacgaa tgacagagca ggggttgggt gcatcagccc taggggtttt 106560  
 gaactcatcc aaaaagggtt acttcttcca ggccatttca ttctgcctct acttcccat 106620  
  
 accattcctg cccacctgc aactgcaaaa tagcggctcc atcaatgacc tggttcctgg 106680  
 gatgccctgg accgggagat tgtttcagag ttgggtggtc agggagccat gatgggcca 106740  
 gaaagacagt agagagccag gactagccag cagagtgggg ctgacttctt gggagagtag 106800  
 aggtggcag ggcctctggg gaggggtggg gatgttggca ttagagcaaa tcacgccagt 106860  
 ggatcagctc tgggaagggt gaatgaggcc ttgtttgtgc gcctgaaata tcaaagccaa 106920  
 ggatggagaa gtcttttttg attccatcac ccttaaggca gaaagggacc actgataagc 106980  
 cacaagcaat cttcacacat ctctgtggtt ttgtctgtgt cccgcccac atctcatctt 107040  
  
 gaattgtaat ccccataatc accatgtgtt gtgggaggga tccggcgga ggttaattgaa 107100  
 tgaagggggc tgcttcccc atactgttct tgtgatggtg agtgagtctt cacaagatct 107160  
 gatggtttta taagcatctg gcatttcccc tgcgtgtact cgttctctct cctgctgtcc 107220  
 tgtgaagagg tcttctgcc atgattgtta agtttctgtt ggccgcccc cgcacacagc 107280  
 catgcggaac tgtgagtcaa ttaacctct tttctttata aattaccag tctcaggtat 107340  
 tccttcttag cagcgtgaga agggagtaat ataccatctc tctgctagaa catgtctgga 107400  
 agggagataa agatatttat gtgttcagtt ttacaattat attgtttgtg cacacacaca 107460  
  
 cacacacata catataccta ggataagggt ctcgtacttt tcaaaattta aaatggtacc 107520  
 tattccatag actatgctta gaaaacaagt gcttgattta ctaaactaag cccagggaag 107580  
 gttttaacaa ttgatagtg taagtaagtg cccttgctcc ttactaatc taaattttac 107640

ctacttgtct gacaagcagt ttgaattgtc tgaaggccct ttgtgaattc ccaaaactgg 107700  
gcatgtgttt ggttgtttgt ggttgacagt gtgaggagta aaaaaggttt ccctagagcg 107760  
tctgtggggt ttctttcaat atgacatgta gaagaatgta gcatttagat gtgagaaatt 107820  
actcaaaaca gactccattc ataactaaaa tgcttgttgt gccctgggtt gcgcgcgcgc 107880

gcgcacacac acacacacac acacacacac acacacacgt gttttgaaag aagagtggga 107940  
aggaagcaga aaattaagaa tagcctttta gaagacacag gtggctccag gcgggaagtg 108000  
ctgctgctgt gatgccccg gaaatgctgt cctgccaaca ctgagggtct tttgggccag 108060  
tgggcctcat ggggtcctct gcctggcagg gggaaggtgg gcaaaggctg gtgccaggt 108120  
ctgtgcaggc tactgtgctt gttttgggga gaggggccgt gccagctcca cccgggagca 108180  
ggatccacc ttctgtttct ttgccacgtg caggcttctc cctgcccatt ctcttctcag 108240  
cagagctgcc acatggatcc tgggtctatc ctccattagc ccttcaatct tgtaaatgac 108300

aaggaaaaga gaatagggtg gtggaatga gattcagaga ggacagctat ggagagggat 108360  
gtggcctcag cctgtgcac acctagcctg tcctccctga ggctctgctg ggagcaaac 108420  
ctccctacac agcagagcag ccagactcct ggaagtctcc acagagcgtg gttgcaggtg 108480  
cagaggggcc cctcaaatca gttcaaatc tatatatatt aaaacaaggc agagaacatt 108540  
gtcacactgc agcagcatca cagctgagtc cagttcattt tggctctcca tccaagtact 108600  
aaccaggccc aaccctgctt agcttctgag atcagatgag agatcacat gaacctctt 108660  
agagggatcc cacaagaagt tcctgggttg agaggatcta tgacctagaa gcttgatgca 108720

tgcatgattc atggaatctt catttccttg ggatagtgtt gcttctagt ggtgcaggct 108780  
ggaggaagag agttagatgt taagaggga agaagtgcag ctggctggat ttaggtgagg 108840  
ctgtcagaag ctgagaggag agggacagt atatgcctca cactgggctg cgtgaggcca 108900  
ggggcagggg aaccactgga gagcttgtca tggcggaagt tggagccggg ctttctgag 108960  
acgctctggc aggtgacagg gttggaggca ttttagggg ggggtgtgt gagtagactg 109020  
gtaagtggga gccagcggg gggaccagg gtaggagca gcttgttcac aagctgacat 109080  
gtctgtactt cttggattct cttttccaaa ccattggtaa tccctctcc tcccttctga 109140

acccattttg atatggcttg aatagtgtc tcacgttctg ttctgtagtc tggagtggct 109200  
agagcatcag ttctgtgata catctgacaa ttctgccttc tagatacatt tcaccatcat 109260  
tttttcaagt tciataatgt acatgtgcat taatcagtat tgcatatcca aatactcctt 109320  
gggtgacttt atatcattat catttacttc atgacctctc caattattct tttattttc 109380  
cttctatgat ttgataatt tccgtgcttt aagtaaatca cttcagtctg aagattggta 109440  
aattatctag tatttaatag ccttagttgc aaactcaggg tggaaccctt ttgatatatt 109500

atccaactac ttcataagca tacaggcatg gatTTTgggg ggctaattta tctgactttc 109560

atTTTcttat caaatagTgg ttccaacat tGttatttag agagaagcat gTtgtgagac 109620

aagctagaaa gtggTTTcta gtctctattc tGtctctccc tTTtgacaag ccatgtaacc 109680

attgtaagcc ttagctcttc taaaaagga ggtaatatc atctctTTta catccatatg 109740

tagattTggt taggagaatt gtgcacacat acacatacat acacaacaaa actgtgttaa 109800

tgtctgtcat tggTgcaacc acaatttaac cTTtagtaag tTTctgtgcc tgagatgcct 109860

gatatTTTT tctgtataat taattcagag ggaaagagtG cagattcttc aacagtGctg 109920

gattatagca catgatcccc taagtGcatg gtctGccta tgaattcaca tatgtctGtc 109980

TTTTctct gtattTggcc ctgtctTgg cttTgccatt ggctactTgt gcctTgcct 110040

tcagcatcaa gaccagaaca attcaacatc aacttcaaaa ataaatactg gacgtgacct 110100

ccaagagcat gcacggTtg gctcatgcct gccattggc ctgtTggctg ttggcatctc 110160

gaatatgcca cactcttcc tTctcagcac tgaggcattg ctcatgcagt tcttctacc 110220

tagaatgcct ttgcccttac tctcctcct cccattTtc aactaggtaa ttactctTgt 110280

atgtctTTca gatttcagct ccatTgttca tagaggagcc ctaaactaga tcaggGcttt 110340

aagctctcac agtGtatgca ctgtctcttt ataacGctg tcacagataa gtattctagg 110400

attatctgca cttctcatcg ggcatgaact gtcttcttc ttgtcttat attctaaca 110460

tccagctcac aggtgttcaa taagtattg ttgaatgaat gagtgaatga gtgcgtttag 110520

TTTTgaaac ttgttctagt gtgtgcacca agactTTTT ttgtcGtaat acccaatgaa 110580

cacacagaga cagccatgac tctgccct tgagccaacg agcctgttta ctggTggcg 110640

gggaaggTgg ctggGctgt cttctccagg ctggatgccc cccaaaagac ccatagtTg 110700

attagtTtgc cttctggtc cttggtcct ttgggttctt agccctTgg gtgcccagg 110760

ccttcatctt tctttcata tctttagcag gcctctgtgc cccacatcac tttcttctc 110820

tttcccagc agtctTgcct ggccctgtct cctctccaa gccctcttt ccagtGatc 110880

tgtaccGtc tctggactgt gaatctgcc ctgccctgaa ctttctta actgtTggct 110940

tcaactgcca tcagaatgtt ccacctcaa aattctcagg ggtTggTgcc ctggTcttt 111000

ggctgggtgg actacaaggc cccgaggact gggtccagcc tttactctg agtggTctca 111060

gccttcagca cccagtaacc acacagcagt gcatggcgac ttgatttcc cgcctaaatc 111120

ttaaccaagt ttccaaggcc atcgtTgtca cttgtgtgac cctctgtctg cagcttcaca 111180

atttcaccac actcatctgc tttgTtgag gagaaactt tgtggataca ttggcaggcc 111240

tagctgggga aagttaggga ccacaggact tctgtctacc ttacttggct caacccccta 111300  
ggacactcct gacctgaagc ggcagctgtc cctgtcacc cctaacattg cataccccaa 111360  
agtagctcac actccaagc tgcaaatgct tgtgttcttc cactctcagg gctggggcta 111420  
ggccatggag gaggaggaag ggccatttca gtggctcaaa gagccagtgc aaaagcattg 111480  
cttatggtgg ctctctcagg ggttgagat gtgtatagct ctaagaaata taaactcatg 111540  
cccccaaca atgcctcatg cttaaccagc tctctttctg gcctcatgtg tctactggga 111600  
aaattgaggc ctctctctg atttgattgt gtcttactta cagggtgtta gtacctggga 111660

gtgagaggcc catctaata gagctggcct tgggtctctg agcttacct ggtcactctt 111720  
ggtactcctg gaacaaggaa tactttatac ttttctcatt cattatttca ttcagtcac 111780  
cagtcattca tttaacagtt gttgaacacc tatgtgccag gcattagcta tgtactgggg 111840  
atacaaaaag ttttaggcaa acagaaacag acattcaccc tcagagagct tctgccctga 111900  
caaactttgt atatgaagag agtaagtttt gtagagcagt tggctggagt gaggtgtgtg 111960  
agataatagt gcaagctgag gccaggaaag gaggccgaga tgctatgaga acttgctata 112020  
agaacttgca gaccaggctc aaaatttcag cttttatcct agaagccttg ggaagccttt 112080

gaatgaaggg tcttaagcag aggagataaa tgatcacatt tttttttcc ttttaagtga 112140  
ggacacctgc gccgtgtggc acacaactta gaagaaggca aaagtggaga ttggtcagaa 112200  
ggccactgg gaaagggaga gccttgagg ggtgaaagga tttgacatgt aaccagttg 112260  
aggaaaactg acaggctgtg aggtcaggga tctctgtca ttgtgaaagc aaacacagag 112320  
ggagataatt gtaacttgaa tttgaggcag gttgaggtgg ctttgtaaga ggcaggcaag 112380  
gctaggacaa gtgacaggag tgagggactg gagctccgga aaggtagtgc ctggtcaggg 112440  
ctgcaggatg gccgttcccg aagcaggagg gctccaagg agtctccaa gcctgtcat 112500

cctggtcttt tcagagctgc tctgagcatc caagaggtcc agagaaaagg tgccgtggag 112560  
acacacacag gctgacagaa gctgggaagg gtcagcgtgg accacaagt aagacgacct 112620  
tagcagatgg aggcagtctg tcagatcccc tccaccaccc cctgggccag tgtgccgag 112680  
ctgggggcag gccagccct ctatcactta ctatggtgc cgttttgtgc ctggccatcc 112740  
atcatagaca accttcaact ggaatctctc ctaatgaagc cctaccacac agaggcagtc 112800  
agccctgcaa cgggtgtagc tcgaggccat ggccgcagca ggaggcagtg gcagtagagg 112860  
gtggcagtta gggggcagga atcactggac tctcagaacc ccattggggt gtggcttctt 112920

caagccctcc aaggcaagac atacactggg acaataaat aagttttcag ggccaggtgc 112980  
ggtggctcac gcatgtaac gcagccactg tgggaggcct aggcgggagg atcatctgag 113040  
gtcaggagtt tgagaccagc ctggccaaca tggtaaaacc ccgtccttac taaaaaata 113100

cagaaactag ctgggcgtgg tgggtggtgt ggtgctagta gctgtaatcc cagctacttg 113160  
 ggaggctgag gcaggagaaa cacttgaacc tgggaggcag aggttgcaat gagccaagat 113220  
 tgtccattg cactccagcc tgggcaacaa gagtgaact ccatctcaaa gaaaacaaaa 113280  
 gaaaagaaat aggttttcag caggagacag caggcacatc gatggcacca gaggaagatg 113340

ccgtgacctt gaaggatcat tgttggagtg gttatcccaa ggatggggcc agtgctgcac 113400  
 ctctgccct caatttctcc atttataaaa tggagataat acagtcaccc ctacctcaca 113460  
 gaggttgcat gagggtttta tatattagtt gatataatta ataactagag cagccagaca 113520  
 catcccaaat gctagtcatg attatcatga tttcatcagg cattgcccatt ttacatgaaa 113580  
 tgcttggact ctggtggcat aaacctgtt attattgatg tgattccatc tgctcaaaaa 113640  
 gtgcacattt caggttaaag attgaatggt aatgataaga ttcagtttta ggattacata 113700  
 gtaggacagt ttggagaaat cgtttcccaa catgcttatt aaagtggaaa ggatagggaa 113760

ttcagaatca gaaggccatg gataattatt ggagtatcct tcatattctg gagccagtgc 113820  
 taggggccag aaattcaatg gccagcatga tagagatggc accgcactg atggagctgc 113880  
 tgactctgct ggggagacag acaaaaagag ttaaaaatga ttacaaatta tgattaatgc 113940  
 taggaaggaa aaaaatccaa taggaataac aggatatgag tttcctactt tgggtcatga 114000  
 aaattttctc acttatggtg acacgaagct gagtgttgct actcaaagc aggagttgag 114060  
 gtatttggga ggtagagggg agagttctga gcagcaaatg gttttcttgc ccagttaggt 114120  
 gatcttaggc tccgtgatct acattagtct cagtttctac atttgtaaaa tggggataat 114180

cttatctacc cagatgacca cgcagagctg gtatgagggt gaagtgaagc gatatgaatt 114240  
 ttgttaacca tagatgagtg ccctaaccct aagtcctaag gaggacttcc aaacaggaa 114300  
 agaattcact gatattcttc tcgcatTTTT tttatcttc caaattttgt tcacatgtat 114360  
 aacatgactg tcacacagtg gctgaaggct gtgttgagaa gaaatgacct ttgtaaacca 114420  
 agagtatttg agacagaact cagtcaattt agaaagtctg ttttgccaag gttagaatg 114480  
 cgcccatgag gcagccttag gaggtcctgg agacacgtgc tcatggtggt cagtacagtt 114540  
 tggttttata cattttaggg gaacatgaga catcaatcaa tataatgtaag atgtacattg 114600

gtttggtcca gaagcaccct ggagttgaga atagcagtgc taatgcgatg aggttactga 114660  
 agggagacaa agatgattcc ctggatgaca gatgtctgag ctgagtctta gaagatgaga 114720  
 aggagattac aggtttttgt aaagctgaaa agccagagaa aattttaatg tggagtacgt 114780  
 ggtgcatagt taaatgttca gtagatacct tccccctcta aaacttggtc tggaagaagg 114840  
 tcatagttaa cgttacttaa tgttcaccaa tctcccatga agttctggaa acagagagga 114900  
 agacatgctt ttcctgggt gctcaggaat gggacttcca tccattagct catccacaca 114960

tgcgtgatga actgaaggac actccaaaga taggaagcat ctaagggaag gactgcccgg 115020  
  
 tgatcttttt gctgtaaagg aatatgtggg gttaggatta agactcggca ggtttgcaaa 115080  
 aacatctcat ttcacacatg tgaggaaaca agacaagtga taacatgaat gaatttagga 115140  
 actgccctcc tccgggaaga agaccagtcc tcccgggctg gacagtggag catcagccac 115200  
 ggctatgctt cttctgtttg atgtggccct catggacagt gccatgctgc tgattacatc 115260  
 acaagttcac tgcaaaccce ggtgaccatc tggcctgtgc ctacagcttc tgaatggggc 115320  
 tctctgtgtg agtgttactg tattggtgat ttgagaata ttgagggaga aagagacatc 115380  
 acttggttgg tgaagaagtt gccagagct ggacgtagcc aggtcaagtt ctgataaaga 115440  
  
 cactttctca gcgcttcacc ctgaaagact gaagcgctga agcaagcact ttcacagggc 115500  
 acctctcagg cagccttcag gtgagaggga gagagaagga cccttctgaa gggaacgagg 115560  
 agggcagaga gctagggagg gaaggtcaga aggagaaggg cctgacctg agatgccatg 115620  
 ggcttttaggc ttctgtgcc tgtttgaggc tatttcctg ctgagtctga gtcccatgtt 115680  
 caaggtcact ttcattgagt ctatggaaaa cactcccca agctaagtga cctctcaaaa 115740  
 ttttggtttt gaagttgtaa gaggtaatct gcgtgaatgc ccagtgtag gtgaagagga 115800  
 gagtcaaagg aagacagctg gaaaagaaag gtgtaggagg ggcaagagaa accagtggct 115860  
  
 ctgaacagag aaggggggtt gtatcaagac aggtcaaggg tctgtgggg cagattccta 115920  
 aggtcatgag gaaggaagac attgacttgc gctggcaatg acaatcaca ggaagttcag 115980  
 ggatcatgca gaggtgaggg gtgtgggaag tcaggagact gcttgggctt gtcagggggc 116040  
 aggcataagg atggtagtgg gtccagacac gaagggttgg cactttctcc tttttcacgg 116100  
 ctctcttttc cactaacac cctcagctcg tggcacagt ctggactcag cagggaatgc 116160  
 tgttcatgga gagtggtaat gcagggaccc ccacatctt tggaaggaag acctcacatt 116220  
 gcaaagcagt cagtctccc caaatgaaca gataattta acacaatttc catcaaaata 116280  
  
 gigtgaggtt ttttttttt ttcttttga actttagtg gtatttctac tatttatatt 116340  
 gaagaatata ttttgatga acaagtgaag ctagcccaga gaaaaggaac aataaataaa 116400  
 ataaatgggc aaaagcttgt gctgttagct ttaaagtga tttaaaata atctgaaatc 116460  
 atttaacag catgaacctt ggtggccaaa tagatcaatg acaaagagga gaaaacctag 116520  
 atacaggttc atttttgctt tatatgcttt gagattagt tttctattta gagctgtgac 116580  
 taatacagat gcatcacggc tgagagcaaa gcgaggtgaa tgtccctatt aattgccacc 116640  
 atggtgcgag gctggaatga ggggtgtggc agctaagagg ggatttgctc ttcttgccct 116700

agaagtccct cattgtttcc tgtcctgtct tgtgtccagc tgcttagcac acttcctttt 116760  
 ggtatttaat gctttttata gctggaaccc tgaggttcct cagaaatctg cacatgctta 116820  
 ctagatgggtg ctctggattt tctttaaaga taggaagaaa aaggcaaagg caggctctgtg 116880  
 acgctttcta cctcgagcag agctgggtgga gtgaatgcca tggctccagc tgcaccccca 116940  
 gctgatgaaa atggccttcc atttctgag attcttcctt tttctcccc aacccccatc 117000  
 atcaatatgg gcactccgta gactgcaa atgtgagctt atccttaagt atattgaggc 117060  
 gtgacttttc ctaataaagg tggcattcca aatcagtga aagcattcag taattgatac 117120

agaaatcacc tagtcatttt tccccccaga gtctgcttgg gggcaggcca ggtagtgttc 117180  
 tggattcaaa aattcacat gtgaacaaca gaaatgaag ttttttgtt cccagggaac 117240  
 agggagctct tagtgaagaa gaaacacagt aagtgatgag tcaaccaatt aacagcttga 117300  
 caggaaactg gtgagatgaa gaaaaatgaa tccagctagg acaatagaca cggatggagg 117360  
 tgggtggtag tcaaggaaga ctcttggat aagctggtgt ttgggcagag gcctgaagaa 117420  
 gtgtaagcca tgctatgggg gtatctgggt aagaacgttc caggaaagtgg tgggtacagc 117480  
 aagtgcagag atgcacctg tggattgact ccttgaagt aatcctttt aatacctcct 117540

tctttacatg gcaagattat tgttagtgat catgcaatca attaccatct tcatttattc 117600  
 ttttttaat gagtataaac ttgccatttt taattaaagt tacttacaat tgaattagct 117660  
 aaaaagtcta gtgcatttga aacaaaattg tttataagct agctatgtt acagaatgaa 117720  
 aagtaaaatt aaagataaag acattaatat tctaaattag cactttccaa actgtgttct 117780  
 aaaaaccaac actcataaca caaggagatg agaataatgt acactggaca gccctgtgg 117840  
 ggctgggtgt gggtgtgtt gttgttcctt ttaaaataag cttcatccca ggggtgtctc 117900  
 aaggcgcac tttgtggccc atgagggtgt cctgcacaat gggaaaaaat caaatgcaga 117960

tacactgtgg tgccagaaga gaaaaagctg ttcctttctt caaggcta atgtccaaagta 118020  
 glacatattg atttaggtct ggaacgcagt gaaaaactaa ttttctgta aaaacattaa 118080  
 ataaaaggaa cctatcctt tcaactgtgt caacattgtc ttaaggtata aaggcatcaa 118140  
 atagctacac ttttctggg attgttatt tgetaactga ttttcttc caccacgacg 118200  
 tctaagatta aatgagaaat tgatactta tatttagaat ctggatatca atatgtagt 118260  
 gactccaatt tcttttctt ttttctttt cttttcttt ttttttttga 118320  
 gacggagcct agctctgtcg cccaggctgg agtgcagagg cacgatctg gctcacggca 118380

agctccgct cccgggttca cgccattctc ctgctcagc ctctggaata gctgggacta 118440  
 caggcggccc ccaccacgc cggtcaattt ttttgtatt cttagtagag atggggttct 118500  
 actgtgttag ccaggatggt cttgatctcc tgacctcgtg atccgccga tcggcctccc 118560

aaagtgctgg gattacaggc atgagccacc ggcctggcc ccaatttctt aaactgattg 118620  
ctgaagaggg caaccaaatt gctgaataa ttttagaata aaggagtgtc tcccttggtg 118680  
gtatagtgtg actcaaaatt ttattgtaag atgagtctgg ccggccgtgc tgtcattaag 118740  
gagcatgaac gtgtgtgtg aataaaatgc tcagtagata cctctgggtt gtcagagggg 118800

ctggactcta atactgtatc tccaggcctc tgcaggttag ggatgtggtg catgtgtagg 118860  
tcttctccaa cttcaaattt atctgtcctt cagctgtgtc ctcacagatc ccaggaggga 118920  
acaccatccc ctgttgctgg tccaacttgg ggctggccat gataaattca ttgggctggc 118980  
agacagtggg agcgactcct cccaggggcaa tccagggggt tagtatggtt tggccacca 119040  
ttacagatgt tctgtcttcc tcagctgcgt ctttaaaacc ctggataatc agagacatca 119100  
ttttatccct ttccctgtcg gtcatttttag gactgactcc aaggagcatc agcatattgt 119160  
cacattccgt gaccacatt gcgtagaggt cactgaagac actggcacgt gctatcctgc 119220

ccatcatgga agggctcgtc acgatccgtt aaacgtaatc tgtagtttga accaaggaaa 119280  
gcccaccgtg cctcaaagga atgacacgag tatccattcc aatgccaagc ctggcgtaa 119340  
cggtcccg aaactgtcga tcttcttggg agtgggttctc ctataaagat tacagcaatt 119400  
tttgaggac atcttggggc actttgcagc ctgtgccctt cagttcagt aatctggtta 119460  
gccggaagct cttgtccaat tcgtaacttt cgggggttaa ggactcacgc gtagacatgg 119520  
ttcttgggtc cgtctctctc acagcttggc cctccccac cctctgcggg ttggctgggt 119580  
tctttttttt tttttttttt taattttatt tttttattat actttaagtt ttaggttaca 119640

tgcgacatt gtgcgggtta gttacatacg tatacatgtg ccgtgctggt gtgctgcacc 119700  
cactaactcc tcatctagca ttaggtatat ctccaatgc tatccctccc cctcccccc 119760  
acccacaac agtccccaga gtgtgatgtt ccccttctg tgtccatgtg atctcattgt 119820  
tcaattccca cctatgagtg agaatatgcg gtgtttggtt tttgttctt gagatagttt 119880  
actgagaatg atgatttcca atttcatcca tgccttaca aaggacatga actcatcatt 119940  
ttttatggct gcatagtatt ccacagtgtg taagtggcac attttctta tccagtctat 120000  
cactgttggg catttgggtt ggttccaagt ctttgcatt gtgaataatg ccgcaataaa 120060

catagtggtg catgtatctt tatagcagca tgatttatag tcttttgggt atataccag 120120  
taatgggatg gctgggtcaa atgggtattc tacttctaga tccctgagga atcaccacac 120180  
tgacttccac aatgggtgaa ctagtttaca gtcccacaa cgggtgaaaa gtgttctat 120240  
ttctccacat cctctccagc acctgttgtt tctgacttt ttaatgattg ccattctaac 120300  
tggtgtgaga tggatatca ttgtggtttt gatttgcatt tctctgatgg ccagtgatgg 120360  
tgagcatttt tcatgtgtt ttttggctgc ataaatgtct tcttttgaga agtgtctgtt 120420

catgtccttc gccacatctt tgatgggggt gtttgttttt ttcttgtaaa ttgttttgag 120480

ttcattgtag attctggata cagaatcttt gtcagatgag taggttgcaa aaattttctc 120540

ccattttgta ggttgccgtg tcaactctgat ggtagtttct ttgtctgtgc agaagctctt 120600

tagtttaatt agatcccat tgtcaatttt gtcttttggt gccattgctt ttgggtgttt 120660

agacatgaag tccttgccca tgcctatgtc ctgaatggta atgcctaggt ttcttcttag 120720

ggtttttatg gtttaggtc taacgtttta gtctttaatc catcttgaat tgatttttgt 120780

ataaggtgta aggaaggcgt tggctgggtt ctttagggat tcacccgctt gctttgcgc 120840

ctccgctcc tcccggaaaa tgggccgtga acggctccca caatgcaccg ggcgctgccg 120900

gcttccctta agcattgctt gaataaaaac gccgcggccc gcagtagcgg ccacagcgag 120960

gacgcgggct cacacctggg cgctgctggg gctcgtttgg ctccggcgca ccctgcggag 121020

ccgggactct gcgtcccggt cagctgggcc gggggctggt ttattcttta gttttaagac 121080

aatttaagt atatacatct caatttaaaa gataatattc aacttaagga aaatatgaa 121140

tacacttctt aagtatgtt ttcttttaaa aaacatagct gcagcttaaa gaaatatatt 121200

gtgttcactt tttaaatttt aaacacaaaag tggtaagata gaacaataaa atcgaagtgg 121260

cttagctcag gctgctataa acagaaacat catagactgg gtggcttaag caacaggaat 121320

ttatttctta ccgttctgga ggctgggaag tccaagatca catggtggag agagagagat 121380

catctctgtc atgtctgttg ttataaaggt gctaacttta tccatgagac ctccaccctc 121440

atgacctaat cacttccaa agggccctc ctgataccat cgctttgggg attagggtc 121500

caaattttgg ggggatacgt tcagttcata acatgaaata actcaaattc tggttttttg 121560

actttaagaag tcaaagaatc attgtgctat cattctatat tttagtcta ctgtttaaat 121620

tcagttaaac ttaaggatat gtggcgctac aaggattgga gacatgaact gcacccaaag 121680

caagctgaag tgattcggaa ccactgtgaa ctgaaccctc aaaatacgt tagatgagt 121740

aatatttaca taggcctaaa tgtgcgtgtg tgtgtgtgtg tgcacgcga tgtgcctgtc 121800

ttctgcaac cccccagccc cagaaacatt cttaggtca gcatttgcca gcatacagag 121860

tattagattt tccttgattg ttttgatagc tgaaaagtca cattgtcagg tagccccagc 121920

tcacttcta gtttgtaggt tctttgatgc tgctgtgaga tgttctctca gacatgtatt 121980

tctgtgtc tgattagatg aatgaaaaac tacagtctc atcataaatt gctacctgag 122040

ttttctgtag ttttgcgct cccatggaat gttactgcta gggaatctat tgccatgtca 122100

cattctgcag ccacccattt accctggacc cttgtttact ggatgcttca gtcctcaaat 122160

gaaggttagca agacgaacag ggttatgggt tgctaccatt gtggccactt caagggcac 122220  
agctacacag tagacaggcg gctgtccggt gccagtgct gtgtttggat ggatcccaac 122280  
cttgattagg taaggctgta aagggttagg gaggaagcct cttcctactt ttgttaaaga 122340  
aggcaaaagca acittatttc atatagtcaa aaacaatgca acagctcttt tttttttttt 122400  
tttttttttt gagatgcagt gttgctttgt cgcccaggct ggagtgacgt ggcatgatct 122460  
tggtcacta tagccaccac tcccgggttc aagcaattct cctgcctca gcctcccag 122520  
tagctgggat tacaggcgcc caccaccaig cccagctaatt tttttgtaat ttttttttgt 122580

aaagacaggg tttcacatg ttggccaggc tggctttgaa ctctgacct caggtgatcc 122640  
gcctgcctca gcctcccaaa gtgctgggat tacaggcatt agccactgtg accagccagc 122700  
tctgtttctt tttcacgaat ttaaccttct aagtagaagt aggaaccttc taagtaggaa 122760  
gacatttcta aatgccacc aatttaccga cagattggtt gtcagtcata gtctgtatgt 122820  
gtctgtttcc aactttacct gttttgtaat ttactagaaa aatagcagag tataactttg 122880  
ccattttaaa cagaaggctg gggtcctaata gaaagcggtt tcttggttca ggatttctgt 122940  
gggtatttct gccagggaga ggctagaagc aggagagggt gagagggact ttataatctc 123000

tatatagctt tgcagttgtt aagatggcac ccaggaatgt gtcacccag cttgctccca 123060  
ggaggtagta tgacttcaac ccagtgaacc ggtccttttt atggagtggc cttccaagg 123120  
atgtgatgac gttggtgacc gtacgaatgg caatctgtat ctaagacagc tatgactgct 123180  
ctattctata atgaatgtt ttggctttta aatgaagcct ttataaataa aggtctgtt 123240  
tacttaaaag ttaaaggcat gatttaggat gagccaacta gactgacaga atttacctca 123300  
acctgtaggt ggatttctga gttagccgga gtgtgtatct ggggaaagca gcctagagtt 123360  
tcatgggtct ctgaccacag ggtatgaaga aaaccaggc tatttaaaac atgtgtttgc 123420

ttctagaaaa taaaacagta tttgtagatg ttttgaaaac attccaagg atgacagagg 123480  
aggagacttt gtagtcaac agaggcaacc ctcttcagg gtcgttgacg gagctgcagt 123540  
gtagtcggcc tcagctgagg agcttcactc cctccctgcc ggaaccagcc gccacaactg 123600  
gcttctccgt cagccttagg aaaagcagtc ttgttgagtt ctctacagtt cttactcaca 123660  
gcctctcatc cattgggtga tagaaaaaac aacaacttgg gctttgcatt gtttactttt 123720  
acaaatccca attcagctcc atttcgagct gtctagggca gggagagagc ctctgataag 123780  
cacagctgga acagcaggaa aatattcccc aacctgctg ttgacatggc ttgctttctt 123840

ctatcaccaa ggggtctcta gaaatgatca gagaagttag aggaatttg aataccagat 123900  
atatcttcag aatctccagt caactctaaa gatttgagcg gggagagatg aacagcacga 123960  
tacagaacca acaagcacac aaaccttccg aaagagaccc gaactcgtgg cctcttcttt 124020

acatgtccac ctgtccttct ctttcacctic cttgccaagg tggctgtgtc tcattgccaa 124080  
 actgaagaca aaaggaaaaat gaaagtattt gggatcagaa taattgatct tagattggga 124140  
 agggtcagcg aaatcctctc atccagtatt ctgtttttca cagaataatc taagggtac 124200  
 ttaaccccat gacagacctg tattttatca gtgatcagtt ttggctctaaa gataatgtat 124260  
  
 aggaaatgtg ctttgtggca aaggatatcg gtttattttc ttcgtggcca gggatatgtg 124320  
 gggataggat cagaactttc tggatcctta aaaagcattc tatataaaaa aattatggaa 124380  
 tgaagaaaag ttaaaaaaga aactgggggtc cttgccttct ctgtgaatga atgctcctgg 124440  
 ctgggcctag agactaatat catgctgata tcatgcttct gttcatgtta gggcccacaa 124500  
 aaccgtgtcc tgtgatgggt ggggttacag gtccttgag cccaggggtc tcagacaact 124560  
 ttggcatttg atgggatgtg gtcatgaatg ttctctgtgg ccatacaaga ggaggaagct 124620  
 accattgaaa aggaaggtca tctggtgatg aagctgggca ttatctccct tcaggagagg 124680  
  
 ctcacaaaat gcgatgggc ttcttccatg aagaatgcag gagttccagg ggcagggccg 124740  
 cttgacactic ttataaatTT gaggggaagg ggaaaatgtt ctatgagaat gggagcctag 124800  
 gtgggtggtg caaaaaatgg acataattag taggggaagc tcagggggag ggttgaaggg 124860  
 tggcaggggc tggggaaga aggcctctgg ggaggatgtt tgtggccatt gtattgaaag 124920  
 cccacggttt ctcagaacag gcaggtgatc agagcctcag tctgcacatc aaatgtatca 124980  
 cctttgtatt agtctgttct catgctgcta ataaagatat actcaacact gggtaattta 125040  
 taaagaaaaa gaagtttaat ggactcacag ttccatgtgg ctggggaggc ttcacaatca 125100  
  
 tgggtgaagg tgaagacat gtcttacctg gcagcaggca agagagagaa tgagagccaa 125160  
 gcagaagggg aaataatcct ttataaaacc atcagatctc gtgagactta ttcagcacca 125220  
 caagaacagt atgggggaaa ctgcacccat ggttcagtta tctccattg ggtccctctc 125280  
 acgacacgtg gggattatgg gagctacaat tcaagatgag atttggggag ggacacagcc 125340  
 aaaccgtatc agccctcaag aggattacat atcttctagg gttcacacac gttccctcta 125400  
 atattcagga gttgccaatg tgatggtatt gagaggtggg aactccaga tgattaggca 125460  
 tgggggctcc tttttctga atggattagg tgcccttcca cagagacttg actaaggag 125520  
  
 ttgtccctt tttgcccct tgcccttctg ctttctgcca tgtgaggaca cagcattcct 125580  
 ctttcttgga ggaatgcagca ttcaaggtgc catcttgga gcaggagca gccgtcatca 125640  
 gccacgtgc tgccctgatc caggacttcc cagccccag aactgtgaga agtaagtttc 125700  
 tgtttttat aaatgaccca gtctcaggga tttgttaca gcagcacaaa acggactgaa 125760  
 gcagtattca tcctcatct aactttctga cctagcctaa caaagtittg aagaggactc 125820  
 ttcttatttc tggctgaggc atgaagacaa taggtgtgac acaccaaagg gactgccgtg 125880

aacaagtttt ggggtggtgg atcaacaatt ggtgtctctg aaacctctca tccacgtgag 125940  
  
gcataatcaat gagicaggag agagatTTTT aatatttttt aaattctttt tgtttttttt 126000  
ttgagacaga gtcttgcctc ctgcccagg ctggaatgca gtggcacaat ctcaactcac 126060  
tgcaacctct gcctccaaga ttcaagcaat tctcttctc cagcctcatg agtagctggg 126120  
attacaggtg tccccacca tggctggcta atttttgtgt ttttagtaga gacgaggttt 126180  
cacatgttg gccaggtcgg tctccaactc ctgacgtcaa gtgatctgcc cacctcagcc 126240  
tcccaaagt ctgggattac aggtgtgaac caccgtgcct ggcccaggag agagattttg 126300  
aaggaagtgt ttctgaaaag aactttgagg tgaaacttta cttatataaa gcaaggtgtg 126360  
  
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg gtgttggttc ttccttcact 126420  
tcaagtcaac aaaacatgt agaaaacat atatgtcact tttcagtaag gggcatagt 126480  
ggctggtgcc tgactccttg agtgaggggt agaaaatgag ctaggcaggt gtggatggac 126540  
aagctgatgg tggcatgggg gtggggagggt tggggactgg tttgcatgaa tagcacttgg 126600  
ggcaaagaag gtgtttctct ggaccgaaag tgggccttgg gtgaaacca ttgtgaggtt 126660  
atctaggaac ttgtcaaggc aaattgaact cagtgaagaa aagctaaagc tgttgcctga 126720  
ttcttgagga ctatagatca agtaagtggc cgtctagtaa agccaagtac gtgaccagat 126780  
  
aaaagaaagt gagagacccc tagtgacagt tcagaggacc atggaagtgt cccattagag 126840  
aaaacaccag gtggaagcat gggccaagct cagtacatga atccagcttc tgacagtgtc 126900  
aggtaggtaa gaattttctt ttaatctctc tacttcatcc aaccaaccct ggaatggcca 126960  
gcactgcttc tgcacgcaga gggagaggcc aacaggaaag aaggaagggt cagaaaaacac 127020  
actgttttcc cgctgtctgg ttacttctta cagcagaccc ttgtaaaggg tgatggggac 127080  
aggcgtgact atgaatgcag actgaagtat acctatttaa aacacatttt agctcccgat 127140  
atgggattgt ttttgtgaca aagggaccac aggactctgt gttacttaag agtgaccacg 127200  
  
gaagccacga gactgctgtc tttccttcat gggacctga aaaattaccc ctcatgaag 127260  
gactaacgtg agaacaaaa caagtgactt tgtgatggag tccaatatca gttcttccca 127320  
aattaacgtc cattttaatg acttccggtc tagatcctag aactgtgtgt gaacatagaa 127380  
atgtcatgac aagaaagaag aaacattgta gaaaggaata ctaggtttaa cttaccattc 127440  
cagagagaaa cattctaacc atatacagca actaaaacag cataatgtca tactactgca 127500  
agaatccaaa gatggtttgg tgaaccaata tggatagtac aggaacagac aataatctgt 127560  
atgagaatca agtacataag gataatacaa gaaaccagaa acagattgtt ccatatacag 127620

tgctgagaca aatggttaat tgttttgaaa aacataaatt taaatctttc ataaaataac 127680  
 ttccagataa ttaaatagtt aaatgtaaat aataaagcta taaaatacta gaggaagaaa 127740  
 acaggcaaag gcccctcccc caatttgttt tcaaaccact taagccatga tagcagatac 127800  
 aaaggaaaag ggiggtaaaa ttgactttat caaaatacat ttgtcaaaca cactacagtc 127860  
 aaaattaaga acacagtgat attttggctt ctgccaatat gatgaacaag acccctaaac 127920  
 tgactcactt gctaaaaaca gttggatgta cgggataaat atatttaaaa aatttctaaa 127980  
 cgaatatgag acaagatatt aaagaacagt aaggcaaaaa taaaaatgaa agcagagtct 128040  
  
 ctgagaagta gaactcatta tctggctttg gacttgaggt atttggttag gtccttgctt 128100  
 gcctggcttt aaatgttatg ggggtggcatt caatgccag catccatgta aggtggagat 128160  
 tggaaatagga catccacttt ataaaactgg gactctagcg agctacatca gtttaagggt 128220  
 ggagtgggaag acacccactt tcacacctgc aggggactgc aaagataact gtcaggctta 128280  
 agacttggaa ttgaattgag gagatgggaa tattccctgg taaattgcca caaactagcc 128340  
 cttttctttg ttactgctg tcaaacctgc catctgggag gtctacaaaa atctcaattt 128400  
 gagattgaaa tgactgagga ctggtagttt ccgtcaatgt cttccagaag caaaaactga 128460  
  
 ttccaattag aagaatttat cttcattctc aaagttccag ataaaaagga gcacttcata 128520  
 gtaaaacaca cacacatata cacacacaga catacacaaa atatataagt acaaacaaaa 128580  
 taacacacaa ataacaaggt actttgagtg aaggtcagca aacagagaaa catcagatcc 128640  
 ttgaagactt caaatattaa cattttcaga cacagaaaat aatctgttaa atttcaaat 128700  
 gtaaaagaac aacctgaac tgattgaaga acaggaagat ttgtaaaaag aatcaaacag 128760  
 atattccaga aattaaaaat gattgacatg taaaactcaa cgatgacata ttctactttt 128820  
 tgatcaaat ttagtgacag gggccagatt ttctactttt tgctttcaa aactagaaaa 128880  
  
 tcaggcaaag cacctgaac aacagttttt agacattgga tacttggttag acaagaagtg 128940  
 tgataagcaa gagaagtcaa gtcagcccta tgatggcacc agcttgcac ctagaggcaa 129000  
 atttcaggat acaagttagg gaggagaggc tgaactaag gctagtgcc ttactgggtt 129060  
 gaggaggcag tgctcagatg tagaggaggc caaatagaat gtagcaggtc ctcaaataac 129120  
 gtcatttcat tataacacga atgaggaaaa aaatatcgat tcctcactgg ggccaccgtc 129180  
 tgtgtgaagt ttgcatgac tcatgtctgt gttttcctct gggtactctg atttctccc 129240  
 acatcccaaa gatgtgcaca ctaggttgat cggcatgtct aaattctccc agtccaagtg 129300  
  
 agtgtgagtg tgtgtgtgag tgtgccctgt gatgaaatgg catcctatcc agggttgggt 129360  
 ctacacttgt gccctgggt gctgggtag ggtccagcca cctgagatcc tgaactgaat 129420  
 aagtgggtaa agaattatct ggcttatttt tattaatctg tgttaaatgt ctgtacagct 129480

cacagttatt tcaatattta acattagaag tgttttggtc tttatgtaga agtttggtga 129540  
 tgtttatgtg accagaaata tgccatagaa acttatttct tgtttatgtc aattagccta 129600  
 tggtaaaatt ggtttcatta tatgttggtt tgcctaaagt ggcaatttct aagaacttgt 129660  
 caatgatatt cagtgagaac tgagtgtata tgggacagaa taccagagaa gaagaaggaa 129720

cagctataaa aagagctctg gagatttgca gagggctccc tatggatgtt tgactaggtg 129780  
 ttgatctgtg catgattgaa aaaaaaaaaa aaaaactacc aatggccaag gaagaactac 129840  
 tagaactact ggaatggaaa cagcagaata attcccagag ctccagcagg attgggataa 129900  
 tttagctacc actgaccaga gtcgaaagcc ctcataagac atgagacatc caatagaatc 129960  
 ctcaaaaggg tatcccccta ataatgattc taagttagtt ctggactaaa ggctatttctg 130020  
 actcttctct gacaaagtg aaaagcaaaa ctgaaagga tctaactgac ttaaagtaac 130080  
 ctaactgtga gccagaataa attgcacact gtttaaagaa aacaaaatcg aacacccaac 130140

aatttaaatt ttacaatgtc tggcatccag tcaaaaatta ccaggcatga aagaagcaga 130200  
 aaaataaggt ccataacca aataaaaatc attaaataga aacacatccc caaatgacag 130260  
 aggtggtaga aatagcaaac aaggacatga acacaggtat actctgtgtg ttaagaatgt 130320  
 agaagaaaac atgagcagat tgaggagaga aatagaaaat ataagaatga attatattcc 130380  
 ttttggttaa aaaaaagaaa actgaaagga aaaataatac actgaatgag atgacaggtt 130440  
 aaactacta gaagaaaaga agaataacc tgaatatata gcatcagaaa ctctcaaaag 130500  
 taaatagccc gacagagggg aaaaggcagt ctaaaatata actggagggc cagaaagaga 130560

ggtcaggaag ggggataaac tttacaagg taatatttct cactgttaat tgcttaaaga 130620  
 aaaataagta acaatgtatt tattgttatg tctctagagt atgtcaaagt taaagacgtg 130680  
 atcaagttaa agatgtggcc ataacagcat agcgtagagg acagatgaag aaaacgcatt 130740  
 gtgttgtaag gcttttcat gataagtgat gtgttataat gttatgtaaa gataatcagt 130800  
 gataagtga agatggatc tctaagctct aaagcaacca aaaaagtaaa ccaaggaggc 130860  
 aaaactaata agcccaaagt gaagataaaa tgaatgaaa catttaagc aaaaggcaaa 130920  
 aaggaaaca actgcagaca gaataaatat ataataaaca gcaagataaa tgttttaaat 130980

ctaacatatt aatatatgag atggaatga tgtaaacaca ccaatcaaaa gacagatagt 131040  
 caatttggat taacaaaagt aatgcacaac tatatgtgt ctgagagaaa cacacaataa 131100  
 atctgataca attagtttaa aataattgaa agatatattc tgtgcgatca aactagttgg 131160  
 actggatatg tttatatcaa agtagaattt agaacaaga atattaccag gaataaaaag 131220  
 ggccatttca tattgaataa gtggatcatc catcagatga tataacagcc acaaatgtct 131280  
 glgttcctaa gaacagagct tcacagtaaa tagagcagaa acgattacat ccaaaaggag 131340

aaatagacag atccacggtc attgttggag atctcaaccc tactctcgca ataattgaat 131400  
  
 gaacaagtag acaggaaatc agtaaggatg tagaagactt taccagctgt agcaactaat 131460  
 ttataaatgc ctcaactaga cattttataa atcacaaaaa ccagaaagat acacattcat 131520  
 tccaagtgt caaggaacat ttatgaatat ctaccataat actgaattaa acaagtctca 131580  
 acaaacataa gatattaaaa tcatacaaag tatattcttt gtctgcaaaa catgaaacta 131640  
 gaagtaaac aaaagatgtc tgaaaaaaat ttccaaacca aggagcaaat cataggcaaa 131700  
 tttgaaaagt ttgaactga atggaaaaac atatcaaat ttagggcata gttactgttg 131760  
 agaactgaat tgcactctcc caaattctga tgtgaagtc ctgactctg gtacttcaga 131820  
  
 atgttactgt atttggagct gtacctttta aagggttaatt aaattagaat gaggtgatta 131880  
 gggtagagccc taatccaata ggactggaat ccttataaga agagaagatt gggacacaga 131940  
 agcacacaga gggaagattc tgtgaagaca catggagaag acagctatcg accaggcaag 132000  
 cagagagacc tgagacaaaa ccaaccctgc tgacattttg ttcttgaact gctaacctcc 132060  
 agaattgtga gaaaatacat ttttgttgtt gaagttaccc agtttatgct actttgtaat 132120  
 ggtagaccta acaactaat aacagtatat acattagaaa acaatgatg gatattaaat 132180  
 caaaggtata agtttttgct taaaaaatag aaacagaaga acaaaactca aagcaagtag 132240  
  
 aagaaagaaa ctattaaaga taaaagcaga attctataga acagataaca gaataacaga 132300  
 gaaaactaaa tgaacccaa atctggttct attaaaaggc aaatataatg gacaagtgtg 132360  
 aaaattaata aaatccaac cggctctttg aaatgaataa tgacactgat aaaactctag 132420  
 ctaaacttaa taaaagacaa aaattaaaac cagtaataac agaacagata ctacaaatag 132480  
 atactacaaa tagtaaaagg atagtaaagt agtaagtatg aacaacttca tgctaataa 132540  
 ttaccttaga tgaatgaac aaattcttag gaagacacga actaccagag ctacagcaag 132600  
 aagaaacata acctgaatta accatatata tgtacttaat ttgaattcat agttaaatt 132660  
  
 ttctcacata gaaaattcta ggcccagatg atttctctga ttagtaaata ttttaaaat 132720  
 accaattctg tacaaatctt tacagataat agaagaggaa acacttctg actcctttta 132780  
 tgaggcaagc attaccctga tggtaaaaaa acaacaaga acaaaaacaa acgtattaca 132840  
 agaaagtaaa ctacagacta atgtacctaa taaatacaga tgcaaatatc cttacaaat 132900  
 tttagcaat ccaatccaat gatatacaag cagaataata taccatgact aaacagagtt 132960  
 cacacagaaa atcatggttg gtttactact caaaaacatt acagttcatt atattaacag 133020  
 acaaagagtc gtttcaatag acactaaaat ttatttgata aaattaaaca tatattcatg 133080

ataaaaaattc tcaggaaact ggtagtagaa gagaatttcc tcaacatgat aaagggcac 133140  
 tataataaaa atcctacaac taacatcata cctaatagtg acaggggagat tggtaagtgt 133200  
 attcattctc attatgactt ttattcagcg ttattctgga agtcctattc agtgcagaaa 133260  
 gcaagaaaaa gaaaaggcat acgggttgaa agtaatgaaa agaactcttt atccacagac 133320  
 gacataattg ttaatgtaga aaatcttagg gaatttacia agaaattact agaatacaata 133380  
 agtgtgttta cgaaatttcc ttaaaactaa gacaacatat aaaattaaat tttatttcta 133440  
 catgctagca acacacaatc agaagtggaa atttaaaaag ttaaaatagt gtcaaaatac 133500

taactaccta gaagtgaagt tttaaaaaca tacgcaatac ctgtatgctg aaaataacaa 133560  
 aatattacca agagaaatga aaggagaatg aaataaatgc aaagacagac catgttcata 133620  
 gacggcggac tcaatattat taagatataa attttaciaa attgatctt tatgttattg 133680  
 caaccctaat caaaacctgc aaacttttga caacaacaaa aggaatgga aaaaataatt 133740  
 ctaaagtttg tatggaaatt aaaaacactt aaaatagaca aaacagtttt gaaaaaaga 133800  
 aaaaaactgg aaagacttcc acaatctaata taaagactta ttataaatct ttaatagtta 133860  
 atacattgta attttggcat aaggataaac atatagatca ataaaacaca atagagaatt 133920

tagaaattga ctcaattgca tttggccagt tcataatttt acaaagatgc caagataatt 133980  
 taatggagaa aggaccaatt ttccaacaac tcttacttta atcatgggat ttctaggtgt 134040  
 aaaaaagtga gtcttgggtc ttaccacaca ttatatataa aacgaactca aaataaaaaa 134100  
 catctaaatt taagaggtaa aactacaaaa ctctagaaa aaaacataga agatttttgt 134160  
 atgtatgcgt ggggtgtggc tggcttaagt aaagatttca tggtttagac acaaaaaaca 134220  
 gaaccataaa agaaaaactg aaaatttaca ctccatcaaa attaaaaact tttgtttcta 134280  
 aatagacaca ggcaagggaag aaggttaagaa atagactggg agaaaataaa cgcaagaag 134340

atacctgata aagtcacgt atctagaata tatagcattg ccatccaata ataagacaaa 134400  
 caatcagatt taaaaatgga caaaagtgtt gaatacatat ttaccaaag aagatgtaca 134460  
 gttggtgaat aagcacatga aaagatactc aacatcatta acattagaga actgcaaaac 134520  
 caaacataa ggagaaatat aattgcacat ttgttagaat gggtaaaatt aaaatgattg 134580  
 attatagcaa tgttggtag gatatatagc aactgaaatt cttatacatg actggtaga 134640  
 atgcaaaatg gtacagacac tttggaaaac agattattta ctcaacagaa attaaaatgt 134700  
 ggatttacac aaacacttgt actcaaatgt tcatagtagc tgttttcatt atagctaaaa 134760

cctacaagca acccaaatgt ccatcaactg gtgaatgaat aaatatattg cagtataacc 134820  
 ataaatggaa tattctcat caccggaag gaggaactac taatacaaaa taacatgggt 134880  
 gaatctcaaa agcattttgc taagtaaaac aatatgaaca caaaagaata tatagtgtat 134940

gatttgctat atgtgaaatt ctggtaaagg caaaattagt gacagaaagc aggtcagtga 135000  
 tttttaaggg ttgggggtga agtaggggat taattgcaa gggccacagt gggacttttt 135060  
 ggtggttata gacatattct atctcatgat tgaggttatg gttacacaac tgtgtacatt 135120  
 cgtcaaaact tgttgaaaca tacacataaa attggtgagt cttatttgt gttaaattata 135180

cctcactgat gctaattaaa aattttatag gttaaatagc atcaaactta tctgaaggaa 135240  
 taatttggtg cactagagca ttgatctaaa taaattaccc agaacagttc aagaaaggag 135300  
 atttttttaa aaaagagaga ttaacatata tctcttatgt gtatatatgt atatatcac 135360  
 acaaatacac acataggata gaaattttcc agtatgtgc tcattcattc acgtttcaga 135420  
 aggagaaaag acaaaaatta ggggagtggt gatattgaa taccaaattg ttgataatgt 135480  
 ttgaaaactg aaagacatct atccccagac ttgagaagcc aaatgaatgc tgagcataag 135540  
 aaaataaatc cacacctaaa aaatcttagc aaaatgaaat attaacaaag ataagagatc 135600

ttaagcatgt gatggtggct cgtgccagta atcccagttc tttgggagtc tgaggcttca 135660  
 gtccaggagt tagagaccag cctgagcaat atagaccctg tctctacaaa aaattaaaaa 135720  
 aattagctag gtgcggtggc acattctgt agtccgttag cctcaggagg ctgaggtggg 135780  
 agtattgctt gagcccagga atttgagatt gtatagggt atgatttgt cactgcactc 135840  
 caacctgggt gacagagcga gacctgtct ccaaaaaaaaa aaaaaaaaaa gcatgtgata 135900  
 atagattgac tatcttgaag ggaatgacag attacaatg actaattatt tttccttcaa 135960  
 cttttatatt aagtccccag atacatgtgc aggatgtaca ggtttgttac ataggtaaac 136020

gtgtgcatg gtgtgcacag atcaacccat cacctaggta ttacacctag catcccttcg 136080  
 ctattcttcc tgatgtctc ctttcctca cccactcccc caacaggccc cgggtgtgtgt 136140  
 tgttcccgac cccgtgtcca tgtgttctca tcattcagct cccacttaca agtgagaaca 136200  
 tgtggtgttt ggttttctgt tcctgaatta ataactactt tttagaata acaatgaaag 136260  
 ataaaagatt gtggtctaca aaaaaacaat tgtcaacca gaatttccta ctagcaaaa 136320  
 atatctttca taaatggggg caaatgaaag atgttttcat acaaacatag aatgtgggtt 136380  
 tttttccct cttggacctt tcctaaagta aaatctcagg aatataactt aggagatag 136440

aaagtgattc cagatggaaa ctttgagata taagaacaaa ttaagagtat taaaatatgt 136500  
 gaggtaatgg ctgggcacgg tggctcattc ctgtaatctc agcactttgg gaggccaagg 136560  
 cgggcagatc acgaggtccg gagatcgaga ccatcctggc taacacggtg aaacctgtc 136620  
 tctactaaaa atacaaaaa ttagctgggt gtggtggcgg gcgcctgtag tcccagctac 136680  
 tcgggaggct gagacaggag aatggcatga acctgggagt cggagcttgc agtgagccga 136740  
 gatggcacca ctgcactcca gcctgggcga cagagcaaga ctccgtctca aaaaaaaaa 136800

aaaaaaaaaa aagtgaggta atataaaaaa gcttcaacta tgtaagaaaa taataatacc 136860  
  
 ttatgggatt aaaaatagaa aataactaaaa tactctacaa taatggcaga gaagcagttg 136920  
 agtgagaaat tcttgcattg gtgccccagg aggcataaag aaggatgttc acagctgtgg 136980  
 tatttgaat aacaaaagtt gaaaataact aacgtccacc aataatagaa tgaataagta 137040  
 tgtatagtga tgcaatgaca tatttcacag catgaattat agctacttgc agcaacctgg 137100  
 ttgaactcca ggaaaataat attgagttta aaaaagaaag tgataaaaca atacctcaca 137160  
 ttattaaaag ttaaaaacat gcaaagtga acaatatatt tatgcatata agcaatttgg 137220  
 tgaaatgaaa cagaaaaaca aaatatagga taatgggttac ctttgctgaa gaaagaatag 137280  
  
 atagtatttc agggtgacca aaagggattt cagagacaac ctttgtttat tttcttaaac 137340  
 tgggaggtgg gtacatgggt gttaattatt tgaggattct ttgcatctta catgtactta 137400  
 tatacatcca tattctctta atcaaattct atttaaaacta ttttactcaa taagcacctg 137460  
 ggtgtcgtgg gcactcagat gcagtttcca ctgtcctcag ttaccagatg agatgtgttt 137520  
 tggtttgagg ctcatgaaaa gatcatgtga gtacaagcca catcagtaca tgcataaaaa 137580  
 gccactggca tagtttggca gggatggcgg agggtagggg aatggcttgg agtctccctt 137640  
 cagttttaat acgtttctgg tatataactc ttacaaaagt aagtatttgg ttccatttct 137700  
  
 gtagtggagc tcaggtcaat aaaatgaaag tgattctctg gacaatccta aaagccaagt 137760  
 ttgtgagtga gtcagaaca ttcttggatc agaaatgagt acatgggagg ccttgaaaac 137820  
 ccctcatcta tttcagggtt gattttgcca acacctaggt gttctccagt cagggttctc 137880  
 cagagtaaca gaaccaatag gatcaataag atatatattg gaattggctt gtgcaatcat 137940  
 gaaggctgag aagtctcaaa atctgccatc cacaagcaga aaaaccagga aggcccgtag 138000  
 tataattcaa tccaagtctg agccagggga gccagcgtct tgagtcagg tctgcatcca 138060  
 tcatcaggag aagaaggaag tcccaaatca aacaagaagc agatttgcca tctctgcct 138120  
  
 ctttgttctg ttaggttct cgactcacat tggcaagagg tcttctttac tcagtctacc 138180  
 aatttaaatg ctaatctctt ttggaacac tctcacagat acatccaata ataattgttt 138240  
 actaccttct ggatatccct tggatcagtt aagtggacac ataaaattaa tcatcacact 138300  
 gactaagggt caaactgccc cagagaaact cgtacagtga ttcacagtcc agctgctaatt 138360  
 ctttctgtga cagtcaccac ctcttgccat agcttttatg tcacatatct cccaggtatt 138420  
 ttattataat ttatattaaa ttttcaaga aaattaaaca cataaaaatg aacatacagt 138480  
 tgtccattg tatcctcagg ggattgggtc caggaccccc atggatgcca aaatccacag 138540

atgctcaagt accagatata aaatgggtgtg gtatttgcat ataacctgta aaatccacct 138600  
 gtatacttta aaccatctct agattactta taatacctaa tacaatgtaa atgctatgta 138660  
 aatagtgtt aaattatatt ttaagatctg tattatTTTT tattgttgta ttgttatttt 138720  
 taatttattt tgaatatttt tgagcagcga ttgggtcaaat ctgcaggtgc agaaccatg 138780  
 gatagagaca accaactgca ctaacacact accgaccacg acaccagaa tatccaataa 138840  
 gaagtgggaa tccaccccc acatacattt tgtgactatc ccccttcaca aacctttcga 138900  
 aatccccata ttaatcaagc tattctattc cttttcttcc ttccttacc acgacctctt 138960

atagccttct ataggtaccg agagattcat tgatctatgt atatcatttc tttagaatta 139020  
 aatttacttt ctctttggcc aagcaatccc cattagtatt aggttaactg agggccttaa 139080  
 gtcatttatt ctaaataatt ttagtccaga ggatcatcat acacgtaagt tctgttttta 139140  
 tttaatctg taacggaacc tacaacacct ttactatgta actctaataa aaagattaat 139200  
 gtctagcata tcacacacat cagtaaataa tacagaatca gtttcattt gcatttttt 139260  
 gccatataac atgtatttcc tgtaaatgga gtttacagat cgttttttaa aagttccagg 139320  
 ttccgtctgg tttatgggct tagtcatagc ctggccacag gaacccatt tccaaggaca 139380

gaggtatcct gatatccttg tggagcatca cccaccgtc tccctgggtg tgaaatgatg 139440  
 gtggccttta atcagtccaa tccaagcag ctgtatctta ggaacattta gccctctatc 139500  
 cacagcacc tagccatgag aaaataacaa taaagaccac aatttaggtt tgccatagtg 139560  
 gtcccacaaa atcacccctt ccctccaata catgcgaccg tattggtgaa attaacacat 139620  
 ttataaatc tttctgggag aggacacatg ccctctaaca atgttgttgc ccattaattt 139680  
 ggtcacccag tccatttggg aattgcatta ttggctttcc aggccacctg ccagctgtgg 139740  
 tcagtttatg ggaagagaac tcctttgcaa ttccaattg ggtaaacaaa tcattttcga 139800

agtggtagca agccctaaga aagctatttc cacttgacta agcacacaca gtcgattttc 139860  
 caaggcctct gagtcttttg tctttttgt tttcacctt ccattattta tagctcttcc 139920  
 ctttctttt cttattttat tacattggtc aagaccacca gcgttatgtt gaatcagagc 139980  
 aataaatgat aacaggtaca actgtcttat ctcaacttca atggaaatat tgctaaggtt 140040  
 ttaacactaa gtaacttta acatttaaaa tattgatgag gtttagcat tatgtaatta 140100  
 agtaacctta atttagcatt aaggttttac ctgctacata tttatagcaa taatagtatt 140160  
 tattgagtac tgactaaatg atagtattgt aagaatttta ttgcattat ccatttctta 140220

tgacacccat tttccagatg atgaaactaa attacagaga ggtagggaa cttgccctg 140280  
 gcatttcat ctgttagaga ttcatgtgca ggaatgtta cttcatagtt caagtgttta 140340  
 attattttgc aatctgcca gtaggttgat gcctcaagt tagaagagtt cttttacct 140400

ctagttttca aagcataagc tgcactaaaa gatgaacata tacatcagaa gtgggtgtta 140460  
 taccttatca aatgctcttc tacaagtttt agatggttat atgatttttg tcatttatta 140520  
 tgttaataaa ttgaattgtg ttaatgtata gaattacatt gaaaaatttt ctaacgttga 140580  
 accattcttg cattactagg agaaacctta cttatttatt acgattttat ccttttaatg 140640

tactgctggc ttagataaga ccttttgctt tattaaatgc aagcagtctt tgcttttcca 140700  
 ggcaccacga taactgaaat ttgtgcata tagaacaatg tcttcacttt acacagtctt 140760  
 aataagcaca agttacagtt agatcactac tatgcacaac ataaactgcc ttagttgag 140820  
 acttttttcc tcttttctc catggtattt tagtaagggg ctaaccttaa ctaaattgcc 140880  
 aaataataat ttttgatttg aatttatctt gttggtattc cactatagac cagagagtcc 140940  
 ttgtcttaaa cacaatgtac tcaatgattc aacagctgtg ttgtttttaa agtttttttc 141000  
 atatccta atttcataat tctctgtact tctgtctct gaaggaattt ctgcccattt 141060

tttggttggg ttgggacctt tccaggatta tagaaagaat ggatttcaa aaccaagttt 141120  
 ctgctttttc tgttgcaagc aatgtccagg aagctaagt ttataatatt tccctctctt 141180  
 gatcttttca ttcctcaaac ctgggttaga ttgaggtca ggaccattgt cctattgggg 141240  
 aaaaggctgt ttctaagggt gtcacctctg ctgccagcct cagggtttg caaccaggtc 141300  
 cacaggtgtt cccacacca tgttacaagc tgaatgtga gtttgacaac tttggttgc 141360  
 atgtctgtca tggtagcac aaaatacata gtatttgggt agattacttg gccaaatgac 141420  
 caccaaattt cctgtacacc aaggaatact tctcctttca ctttcttcat tttgaacagc 141480

tctggttccc tagactcatc cccactgata tttttgcttg tttttttaat atggcattgg 141540  
 tagaatatct attttacatg agtgaatttc tcggtaaacc aattcactcc cttaaaaaca 141600  
 aaacatctta atttgttaa tgaataatct tctcaaatgt gttttgttaa ttttctacc 141660  
 taaaaaggaa attatatctt gtgtaagaga ataggatgta acataatttg atattttatt 141720  
 gataatgcta agtcattata atagatatta gttaatgtct tgtgctgaaa ctcaagacat 141780  
 agagactctt tccaagcccc ttaagtttta gggttttgcc cttctgcaga tgacccagc 141840  
 ctgctgtgcc tttctagtct gctgtatat agactttttt tgcttttctt ctgataaatt 141900

aggctgttag aaaatatata gcagctttcc tgctcttta tattaatata gtttactgca 141960  
 ttttggtgtt ttgattgga acacaagaaa atgtgttagg attatgtgta aactaagagc 142020  
 aaatagattg tgaaggagga cctatttttt ctcacccaaa acaagggaat tatattagat 142080  
 tttctctcag atctttttcc tcacctctaa aatttcctca cctctaaaat gggaatgata 142140  
 ataatatata ccacttcata cttgtgtctt gaaatatata tatatatata tgtatgtatg 142200  
 tgtatatata tatctgtatg tatgtgtgtg tatatatatg tgtgtatata tatgtgtgta 142260

tatatacaca catatatata cacatatata cacatatata tatacacaca catatacata 142320

tacacacaca cacatacata cataggttta tatatatata ggggtttttc ttgtgtgtgg 142380

tttttttttt tttttttttt tttttttgct tttttgtca cctaggctgg ggtacagtgg 142440

tatggccttg gcttactgca gcctcaatct tctgggctca aggatcctcc catctcagcc 142500

tccagggcag ctgggaccac atgcacatgc caccacgcct ggctaatttt tgtattttta 142560

gtagagatgg ggtttcacca tgttggccag gctggctctg aactcctggc ctcaagtgat 142620

ccacctgtct cagcctccca aagtgtctggg attacaggtg tgagccacca tgcctggcct 142680

gttttgaaat attaatagaa gttagatggt tcagcaaggg tgaaataaaa tcagtaattc 142740

tctgggaggt aaaattgaca gggcttggig actgctgcac atggcagtga agaagggaga 142800

tttccaggcc agtgcagggt tttcagggtg gcttttgagt aaatggggag agaggactcc 142860

caggcactgt gtggattccc taagtgatc cacaggaagg accaggcaca cagtagggct 142920

ctgcgttttc tcagtcttct gccttcattt agattcccag cactcagagt cttttttgaa 142980

gcaccccaga ttttaactggt ggagatgtca gtgttatctc aaacccctcc ttccccagca 143040

tttcaactcc agtctcctag gaaccaagaa aatgcagttg cctacaggtc ccttggttat 143100

gtctcccagc tcgcccagag ctaacagcac tatcttcttc actgggagag atgtcctaata 143160

tcagaccga aggtctcttc acattagcag atgtctactg cgggtgggca agtctctgac 143220

cctcaggccc tgacactgct ctaagtggga gacaggcca gctaggagag ggaaactcag 143280

tcacagcgca ggaggacag gaggtttta gtaaaagtgc cagtcaccag gggctgctga 143340

taccatcgca caccaggtct ggttacagct tctgcctcc ctgcagaagc tagcactgga 143400

gttgagaag gggatgaggg cagatccctg aatgagtggg aagggggtgg ctgggaggag 143460

agggaggcgg agggaggag ggaggagaag tgaaggggca gcatgattcc agtgaagct 143520

cttactctcc agatgaaaag cttttgtag ttttgcctta aatcattccc ttaaccatag 143580

agttggagat cactttttta agaaaaccgg tagcacctgc aaaaaggagc gctatctttt 143640

tttttttttt ttgagatgga gtctcgtct tttgtcccag gctggagtgc agtggcatga 143700

tctcggtca ctgcaacctc tgtctcccgg gttcaagtaa ttctcctgcc tcagcctccc 143760

gagtagctgg gactacaggt gcgcaccacc atgccagct aatttttgta tttttagtag 143820

agacggggtt tcacatggt ggccaggatg gtctcaatct cctgacctcg tgatctgccc 143880

gcctcggcct cccaaagtgc tgggattaca ggcacagacc accgcacca gccaaagaca 143940

ctatctttta agaacataaa gttctgtgtt tctcgtaggg cagaagacca tgccaacttc 144000

tgtggcacac agcccttctt atctgcacca gttgctgcca catggcttgc agttgcttct 144060  
 ccttccttca ccagcaattg gttactgaca gcatgttgta gccaaacct gagctccagg 144120  
 aactgcccc acgaggaatg aagcaccag caggacagag gagcttctga ccttgcaaag 144180  
 ccaatgtgag gttgctgcct tgcgtttaaa gctagcggta ttcctccctg tgctcatctg 144240  
 gccactctat ttggttagtg ttttctaata gagttgagg caaggagctg agccacacat 144300  
 ggtccattat cactttcttg tgtggtcaca gatagcatgc caaacctggt ttcaaacct 144360  
 tctcctgttg gtiacaaagc agatgggcca agcaattctg actgcatcag ttaattcca 144420

atcattacta tccaattaaa gcaaacgct tgttactggc catgatgtca cctttaccaa 144480  
 aagaggaggt ctttttttt tttatagag cttttctct aggcctgggt ctaattaaat 144540  
 gctttgcgtg cttttctcac tgatccttat aataatccct ccagataggt attgctttca 144600  
 cactccatt ttacagataa ggaaactgag gtcgaagag atgaagtcac agacgtaagg 144660  
 taacaaccta acagagtacg cgtaaatga cctgtgcttt cagacttgac tcccaagcct 144720  
 cttgacgtaa tttaaagggt tcatctagtt agtatctggt atctgccacc acctatggca 144780  
 gtcacaaact gtcttttttc attctgtcac ctactgaag aggtccgct gtctattagt 144840

gctgggaaca aaaatgtgta agaggaaggc tctgcgctag agcactggaa gctccggtag 144900  
 gaatgctgac tgccaggaag gtggggctga gtggctccaa ggagccttct agagagaagg 144960  
 cacagcgag cgaaagtcag ggatccaggg atgggggatt ctatctgggt ggggtgtggg 145020  
 taggtgact ggagtcaat cagggcgggc cctccttct gaaagttgag ttttgacttt 145080  
 cacaagagct cctgggttat aggcaggga atgactagat cacatcgggt ttgaagaaat 145140  
 atgtttcact gtttacctc tcaactagta ggcccttca tttccagaca tgtctgtgag 145200  
 aagtccttaa ctctactgt aatctgttc cagaggattt tttttttcc tccttggct 145260

tttaagtgg ctgtttctc caagataga aggaaatccc ctggtagctt caagacctgt 145320  
 gcaggggacg ccttgccaa ggaacaagaa cctggataaa cattgggtcg accatcgct 145380  
 ccaggtctga tgagcacaga tgtttctga agagttctgg aggtaccttg tggcacctga 145440  
 accatgctct gtttctctg caggagctt tctttttca gtcaccgtt aaaacatgct 145500  
 ttctacctgt tcagaaaac tagttcaggt cgacgaagac ctttgggatg aaatctcaat 145560  
 gccagcctg gagattgggc cacatggtt ctactagaca caccattata attatgcac 145620  
 agaatcatt atacagcctt gggaatttc tccatgtc ccattaagtt tgggagtcac 145680

caggcccta atgacactgg gaagtatga aacatcatat ggaattttta cagttatttt 145740  
 attgtcctct tgcctcctc ctcaatgctt gcagcctcag ggaactcagag tcagtctaac 145800  
 ccagagtct tcaacctga cactactgac acgtggagct ggctgattct ttgtgtgag 145860

gggttgctct gcgtgttgta ggatgtttta tagcatccct tgtctctact tactcaatag 145920  
tagtagcacc ccagatatgg caatgaaaaa tatatccagg cattgccaaa gccacctggg 145980  
ggcgggggcg ggtgtgtgaa attttccctt tgagaaccac tagtctcacc tacattctaa 146040  
tcctagctgc tgcttttttt ttttgttttg ttttgagatg gagtctcgct ctgtcgccca 146100

ggctgcagta cagtggcacg atctaggtct actgcaagct ccgcctctg ggttcatgcc 146160  
attctcctgc ctcagcctcc cgagtagctg ggactacagg cgcccaccac cacgcctggc 146220  
taatttttgt attttttagta gagatggggt ttcaccgtgt tagccaggat ggtctcgatc 146280  
tcctgacctc gtgaaccgcc ctctcgggcc tcccaaagtg ctgggattac aggcgtgagc 146340  
cacgcacct ggccaatcct agcttcttta cttccgagtt gcatggcctt tggtaagttg 146400  
ctgaaactcc aagagtctta gtttactaat tcgaaaaatg ggcatccttg tatttacctt 146460  
tcaaggctgt tgtcagatgc tgactgcttc atttaatctg cagaaaaactt gagtccacct 146520

tcctataacc ctgtccaata ttccatggtg tgggaatcct ttctacctca cgaatggata 146580  
tagatttcat ccgaggccta accaaaatga aactgccaag ctgagtaca tagagttgca 146640  
aagggatgga ttccctcttt gactggcaaa taatttgctg ggagcatcag ctttttctgc 146700  
ttcagtaact gagcatccca tttgaggcct gcagctcccg agctgccac tggactcagt 146760  
gatggagcgc ttggatctgg cttaagtggg tttagtact ccaagttgct ggccattctc 146820  
attctttctt gectacttc catatactct gcactagaag tgtttgtcta ttgtatttc 146880  
ccaaccttgc tctctctgc cttgtttccc tcctacctg gctcacacag cgcacaaaca 146940

gttaagggca cttagcttag ctgcctccac atccctgtag actaccctgg aaggattgaa 147000  
tgaaattgat agtactaaca ttacatcact cacatccca aagcaagtgt agctggcgcg 147060  
gtagaaggaa tgacctgga gaaaacagct gtcaagggca gctattggct tatctttcat 147120  
ggaaagagag acataatgaa ttctgaatga agaggaacca gaggcagagc agtgtgtggt 147180  
cctgcaaggc cgccacacgc aagctggcac ttgggaagta ctgaggactg tctcatgtgt 147240  
acggggtcct gggccagtc ttctggcctg gccatgtttg aggaagggtg tttttgtgct 147300  
ctggagatga aactgctta gaggttggga gcctgctgtc aaggagtgct tgacactctg 147360

ccagttcgtt ctgtctgcag ggtggtgggc tgcacatagg tgggggctgt gtgcaggcag 147420  
gggcctgcc tggggatcac ttccacagga cctggcccca gagaacctg caggcctctt 147480  
ctgcctcctt ttactttaat accctgtttt accctctgct gtgtgttttt atttctccga 147540  
gtacaggcat cagttggggc tttcttaggg aggcagtaca tttcatagg aagagattga 147600  
acttggggag aagctgacct acattgaaa cttgtcttat ttaccttag aatatgttac 147660  
cctcagaag ttactgtatt tcttgagat tcagtatttt taatctttaa aatgggggca 147720

aaataacact tacctgttaa gagtttttgt aagaattaga tggatgcac atggagagtc 147780  
  
 tagcccagta ggtggcttgt attattactt attagtaca actaaggctc aaagcattga 147840  
 aagaactttt ggatgtagtc actgagccag gaagtgggtg agcaatgaca ggatcccatg 147900  
 ggagctgatg ccagggacta gctgtactcc ttcctcaga tcgcagctgc caagccttag 147960  
 gacacaaagg caccaagcaa attggaatag tgtgatgcga ataaggactc atgtcctaga 148020  
 atgaggctcc tgcatecccc acccattacc tgtatgtacc atcattgata gcttgctttt 148080  
 tgcagatcat aagcgcttgg taaggtagca ccttatatgg cggctgctga gggctggaga 148140  
 gttgaaagtt atttcttcca ttgaactcta agaagcatac tcaggttggg gccgtgagtg 148200  
  
 aggggtagga gagccttagc tctcctcatc aagcctatgt ctagtgagag acacaagcat 148260  
 gaacaatgat ggaagtatac atgtttggaa gactgagcat agggcaccat gagaagatag 148320  
 aacaagggcc tgggtgtattc ctgggcacca tggagagctg ctctaaaaag tggctgatat 148380  
 ccaagagatg aatgagaatt gggacacaaa aaggaggagg aggattttta ggaaagaaaa 148440  
 taggtggaca tgaatatcca cgtgggctca aggaaaaaga gatggagaaa gtaatttgc 148500  
 caatgatgtt ggattctttt tttttttttt ttttgagacg gactctcgt ctgtggccag 148560  
 gttggagtgc agtgggtcaa tcttggctca ctgcaacctc tgcctccctg gttcaagtga 148620  
  
 ttttctgcc tcagcctccc aagtagctgg gattacaggc atgcgccacc acgccagct 148680  
 agttttttt tcttttttt ttccttagt ttcgctcttg ttgccaggc tggagtgcag 148740  
 tgatgtgac tcagctcagt gcaacctcca cctcctgggt tcaagcgatt ctctgcctc 148800  
 agccttctg agtagctggg attacaggca tgcacatca cgcttgcta attttgtatt 148860  
 tttagtagag acgggcttcc tccatattta taggctggtc ttgaattcca gaactcagat 148920  
 gatccgctg cctcgccctc ccaaagtgt gggattacag gtgtgagcca ctgcgccgg 148980  
 ccaatctcg attcttaaga ggtcacttat ccttctggg attgggtacc aatgtccac 149040  
  
 tgcactttc tagtgggttc ctctttccat tcatacaat caaatgattc ttgactagga 149100  
 aagcaagtgg ttatgcaaaa gggaaacttt ttgggtttg ttttaaaact gtacagggtt 149160  
 gaagcaaaaa tccattcatg tccttgtaa tgattgtca cattctttg gttgattctt 149220  
 aaagcatgta ttttaataag ggactggaaa ccacaactgt taatcaatgt tctcttggtt 149280  
 tttacctctg agtcatggct ttagatcagg gagatagcat ttcagatttg ctactgggtg 149340  
 agaggttttg caiggttat atgatattac ctgattttt tacaaagtt agaggctaca 149400  
 aaactatcca ggttttafga tctctactga ccttgcaga ttgatgatgg gatgggtgct 149460

gtgtttccca ttttatggat attgagtggt caagagatga cagttatttc ttttatcaac 149520  
 ttccagaag tgaactctgg ttgagacctg caatggtgag agagataaga tcaactcatca 149580  
 aggcaaatg attcgcagat aaatgaggca ttcagtaggt ggtgaatgct aagaaagacc 149640  
 tatgtcttct gaaaactgca tcgttaattg tattatgtta ttgatccatc ttgggtaatg 149700  
 atagtgttag ggaagcgag ttgcaaagt gggtgagaac cattgctttg tctcttcaag 149760  
 gcacttacat ctgaaaaggc atgggcagga gtgggggaac cctgtggttg ccattctgtt 149820  
 gccaaagggc caatgcaggg aggtagcttg agagttaata atggagagtg gttgcagttt 149880  
  
 ccataggaga gaagccagga gtccaggctc actgttcagg ggtgtgtgtg tgctggatac 149940  
 taggacggtg aaaataactg agatggagtt gggagagaag tgtatgtatt tctcacgtgc 150000  
 ctggatctga gaggtcaat atcttgctat acccatgagt gcaagtctgt tctctgattt 150060  
 gaggaagag atgggccaag ggaagaatag acctgagggt caaagtaggg tgccttcctt 150120  
 gagaagtgtt gccagatata gcaaatgaaa atacagaaca ctgagttaaa ttgagctttt 150180  
 ggataacaaa taagtcactt attttttaag tataagtgcg tcccaaatat tgcagtagac 150240  
 atacttacac taagggaaaa aacccacaaa cctaaagt gtccatatga aatttgaatt 150300  
  
 tgactgggcg tctgtattt tatctggcaa ccctactgag gagactcaga atgctccagt 150360  
 ggcttcttgc tcaactgcac ggacaggggc tgctcctttg ggccacttca agcacattat 150420  
 ttggcgttgg ccacagggca ttctgttggg catgcagctc ctgagactga gcctgctaaa 150480  
 gtgcctggct gcggggtgga gtgcctgcca ggagctgcgt tcttcacag ctttcttctt 150540  
 gggatcctgc agtcagggtg tcaatccatc cctccttccc tcttccctg tagcatgtga 150600  
 ccatctcatc ctgtctgtt ctgtctgtgt tcttctgtc cccaacctt gcccttgaag 150660  
 ccttggttct ctggggagcc aggtaaatac tatgcctcag tctattcttc ttccctgct 150720  
  
 cctcagactt gatgtcatgg atttgactca aggtttgtgt ttcacattta cacttttctt 150780  
 aagcagagat gaggagcacc gccatggagt aagcaaagga acctgggag agtagcaagc 150840  
 atgacatgag acctccccc agtcctctggc gtggtggcct ccatcctgac ttcgagcctg 150900  
 aacttctgac atcctcatct gtttctactc tccatccctg cacaccaaca cacctctgca 150960  
 ctacagttt ttctgttgt ttgcactccg gggtgtgaag ggccctacag agatagccaa 151020  
 acttgcta atgctaacta gatttagtct ggccaaggag aacataacct ctgtctgac 151080  
 atggtgtgct tctttgccc ggtagaaact tctgcaggct cctgctagc agcagccagt 151140  
  
 gtactcttg aaggccagg cctgtacct ttgcagatcc agctaacaac agcagagggc 151200  
 tcaggtcctt ggtggttgt cttctgtgtt caggagtca ctttccctcc cagctttggg 151260  
 ttcgtaggct ctggaccag cctgcacatc ctgacctgc agcctactaa tgggggtgaa 151320

atcagcctcc ccacagtcaa caagacttac gtcacaaact ctaaatgtta aaatctcatc 151380  
cagtggaaaa tatccttaat atttttattc ttgaacaat tgccatgact aggactggtt 151440  
acataacatg tgggggccag tgcaaaatgg aaatgcaggg cctcatttta aaaaagtatt 151500  
cagagctggc cgggcgtggt ggctcacacc tgtaatccca gcactttcgg aggccgaggc 151560

gggcagatca caaggtcagg agattgagac catcctggct aacacagaga aaccccatct 151620  
ctactaaaac tacaaaaaat tagccgggca cgggtggcagg cacctgtagt cccagctact 151680  
cgggaggctg aggcaggaga atggtgtgaa cctgggaggt ggagcttgca gtgagctgag 151740  
atcgccccac tgcactccag gctgggcaac agagcgagac tcctctgtct caaaaaaaaa 151800  
aaaaaaaaagga ttcagaactt caagatggtg acggtggagc attaaaccaa gcatggggcc 151860  
ttccaagtgc agtgcctgt gtgactgacc ttacacacct gtgaagctgg cctgtgtcat 151920  
gacctcttta tcagttttca aagtcatatg cttttctgtg ttctgaaca aatgctctgg 151980

ctgtattgtc aaatgtaatg gcctctccaa gtttgattac ttgtaagtct caggtctctt 152040  
ccttgatgaac caaagcttgg tcaatattca ttcaaaaaat gaaattcatt tcaaatggag 152100  
acaggtatga tggatgtgtt aagaacctag ctgtgagagt tgctagcttc tctctgtccg 152160  
tcagtccttc gcatttcttt ccatacgag accctttgca ttaacaagga gagttatagt 152220  
tcagcacttc atgtccgtct tctttgttt catagccctg gctgttcacc ttggttaagt 152280  
gacacaatta ttccctgtc attctcttg catgttaaat agggataact caaaggattg 152340  
tatcgctgat aaaaagaaat agccctgtg atgtttggat gctcaataat tgttcacatg 152400

ttcccttctg tcatctcatc tggacctagg tctgtaattg caatgcatca ggagattaga 152460  
ttttttttt ttttttttt ttgagatggg gtctttctct gttgcctagg ctggagtgcg 152520  
gtggtgcgat ctgaacttg gctcactgca acctccgct cctgggttca agagattctc 152580  
ctgcctcagc ctccagagta gctgggacta caagcgcccg ccaccacacc tggctaattt 152640  
ttttagttt taatagagac ggggtttcac cgtgttagcc aggatggtct caatctcctg 152700  
accttgatg cgacccccct cgccctccca aagtgccggg attacagggg tgagccaccg 152760  
tgctggctg acattagatc ttataactcg ccagtagctg ggaatcagaa caatgttgag 152820

caataaagca gttttgctca tacacacaca aactagtcca taactctggt gtgttttcat 152880  
tcagactctc ttttaaggta taccacacac ttgcctaate ctgctgtgag aaagctgcct 152940  
tctccagaac tggatgaagt cattctgata tgagaacccc aggactaacc ttggacggag 153000  
tgaagtgagg cttatgtaaa aggagattta ttgtaagaaa ttggctcatg taattacgga 153060  
ggctgagaag tccattatc tgccatctgc aagcaagctg gagaccaga caagctggtg 153120  
gtataattaa gtctcagct gaaggccaga gatgagatga gatgtcccag gtcaagaagt 153180

gaggcaagaa aaaagggaca aattcctcct tcctccacct tttgttctat tcatgccctc 153240

agcggattgc atggtgcctg cccacattgg gtgagggtgg atctttctca ctacgtccac 153300

tgattcaaat gctaattgtct tccagaaaca cccatgcaga cacaccaga aacaatgttt 153360

aatctgggca cctgtgccc agtcaaattg acacacaaaa ttaatcatcc taacatccca 153420

gagctcatcc tgccattggt tcaaatgtgt atctgaatca cctagaaatg gttttcacgg 153480

ggcaagtgcc aagacccag tcccagaagt gctggatcat agtgtccaaa ataaagtctg 153540

gcttgagaat tcgacaatat tttcaggaga ttctgattca tatttttaat taagtacat 153600

tggattaatt cacccttttt cttctacaca gaagggaatt aagaactgga gtcacacct 153660

tctaagttca gaaaacagtt ttagttggaa aaaaaaatca atcttcaaaa tgtgaagatt 153720

aaaaaaaaa tcccatcaag gcacatggaa atggtcacia gctttgggcc catttaacca 153780

ttttccagca aagttgatag cagaattaat taaggtcaca cagctagtaa gtgacagaaa 153840

cgggactaga atctgcgtta ctgggctcct aaagcaattt ttctctcctg tatattcct 153900

ttcttgtctg ctgttttctg tagaactaag tctagtcaat gatttgaact gattaattcc 153960

agtgatatca atactgtctt agtgaggagc tcatgtgctt atacttcgaa aataaatgtt 154020

tggaagttaa aatttatatt catttttcct tattggggat ggtcaaaact caacacccaa 154080

tgggctcagg tcaccagctg tctgggggtg gaagacagag cctccaacg cagctggtga 154140

gcttccatca ctctctgtg tgttgatgt ctttctcagt tatgccctag tggaaactgc 154200

agtccagcct cctggtaatg ccatcacgat tatggttgat ccgctctgtg tagccgaaat 154260

aggtgtgatt tctgagtaa gaggagcatt agctgatttc ttgaaaatac atgctccctg 154320

atttagccag gticattgtc ttccaccttt ttatgtgttt aattaaaaac tgaaaatgtc 154380

ctctgcctg aaagatgaat gaggagaaat gccctattat taggacacac cacctttgga 154440

gtgaaatgat tcaactctgtg attaaatgca aattgcttct taagaataat tagcccaggt 154500

ggcctgtaag ccaggaggc tcacggttca tcaggagcag tattcatcca attacttctt 154560

tactgaagat tgggtgcccg atcgatcata ctctttggct ttggaagggc tggaggcaca 154620

ccctcctaag ttgaagatc cattttaaat agaacaacaa taaacattca taatttaagg 154680

actaaaaaa tttaaatcct atcaaggcaa atggaaatga gcacaagcct cagatccctg 154740

caacaacttt ccagcagtga caaattcatt ctacaaacaa gtcggtagaa tcatttttcc 154800

tgaaaaagga acctagataa gggatctggt atttgcaaac tcagttaatg tggcttggtt 154860

gggcctgttg ttacctgtc tgattcctta gcccatagct taccattaa actaactgct 154920

cagatgcacc tattgtttaa gtttctcttt aaatgcacaa tgataatagc taattctgca 154980  
aagcccttgt atgtcagatc ctacatgaga tgctttgcat attttatttc tcaccaacac 155040  
tgtaagggaa aggttaagatt agcaccattt tacacatgag gaaactgaga tagagagact 155100  
ttaagtagcc aagattacaa agccaataca tggccttctt acaaatgcgt agcatttgtg 155160  
aaaaaactgc tgagtaacag aatgtggatg catcaggata aaatctaaaa tgaccgggaa 155220  
aacagttcaa tgattgcctt gctgttgctg agtcagtagc atctttaaaa agaaacagta 155280  
tataaaggca catgcattgg tgcctgtgtt ttgagcaacc atgtcttaac aggacagcca 155340

ttccctctct ctacttcatt tgtatctctg aacaagaaca aagttcacat ccttcagata 155400  
cataggggtt gagaaagagt taagttaccg tttgggtaat aaaggaatta aaatctcttt 155460  
caagcaggtc ataattaatt cttttaatta tagattactt gaaaaggag acaaaaggaa 155520  
ggaaaagctt ttatcatctg attaataaac ctctgttagc atttcatat gccctcatgt 155580  
aatTTTTTtC tctgctacct gcttcagtta ctattgcagt gtaagagatt tttttcaaat 155640  
ttactggttt aaaacaacaa acatgatttc accgtttctc tggactgaga gccctggagc 155700  
cgttttagtgg ggtagttctg actcaggctc tctcatgatg ctgcaatcaa gctgtttgcc 155760

agggtctacag tcatctccag gcatgactgc agaaggagcc actccaagat ggtcacatgg 155820  
ctgctggcag accccagaag acctgcttcc aggttactc acatggctgg tggcaggtgt 155880  
cagttttcct ccacgtgggc ctctccatat ggtgcctgag tgtcctcaca acatggcagg 155940  
tggtttccat ctttggcagc tggtttctc cagagtgagt gatgagaggg agaaaaagag 156000  
aaagagagga aggggggtga ggagagagag agagagagag agagagagag agagagagag 156060  
agagagagag actgaaccta cacatggaaa ttccagtcaa tcttagaatt gacattccat 156120  
catttctcaa ttcaattcac tagaagcaag tcactaagtc actaagaaat taagttacat 156180

ttcttaaaaa aagctatcaa agagtttgtg ggctgtctca tgcgtccgtg tgaagagacc 156240  
accaaacagg ctttgtatga gcaacaaggc tgtttatttc acctgggtgc aggcgggctg 156300  
agtccgaaaa aggagtgcgc aaagggtgat gggattatta ttagttctta caggtttttg 156360  
gatagacggt ggagttggga gcaatgtttt gggggcaggg gatggatctc acaaagtaca 156420  
ttctcaaggg tggggagaat tacaagaac ctctcaagg gtgggggaga tcacaaagta 156480  
cattgatcag ttagggtggg gcagaacaa atcacaatgg tggaatgtca gcagttgagg 156540  
ctattttcgt ttcttttgtg aatcttcagt tgcttcaggc catctggatg tatacgtgca 156600

ggtcacaggg gatatgatgg cttagcttgg gctcagaggc ctgatattcc tgtcttctta 156660  
tattaataag aaaagcaaaa caaaataatg aagtgttga gcggtgataa attttggggg 156720  
tgatatggag agataatggg tgatgtttct cagggtctgt ttgagcgga ttaggggcag 156780

cgtgggaacc tagagtggga gagattaaac tgaagaaaga ttttggggta aggggtgata 156840  
 ctgtgggggtt gttagaagga gcatttgttg tatagaatga ttgatgatgg cctggatgca 156900  
 gttttgtgtg aattgagaaa cgaaacggaa gacacaaggt ctgaataaaa gaaggagaaa 156960  
 aatagatatt aaaggactaa gaattgggag taccaggac atccaattag agagtgtcca 157020  
  
 ggggggttca gcgttaattat ttgcttgggt ggcaagtttt taggctctat ctttcagttt 157080  
 ttttaaaaa atgttgtcat ataccaggcc agattgattt agggaaaaac agcactcttc 157140  
 atttaaaaat atacagagtc ctgagagggc tgtttctggg actgccagc actgcttgat 157200  
 ctggaagtag gtattctccc caattttgtg gagacatatg tattcctttt ccgtttccct 157260  
 ttgctcacct ttagcatttg ctaagttaaa cattgtactc ttttactaca ttgattatta 157320  
 aacttttctt aaaagtttcc ttaaagaaa agtttaaaat caatgtagta aaagtacaat 157380  
 gtttaactta gcaaatatat atatatttgc tatataaata tatatatatt tgatatatat 157440  
  
 atatatcac acacacacac acagagtcctt cccacttttt ttttagcagt gagtaagtcg 157500  
 aggcctcagc gattttggag gaaagtaaag tgcgtgggcg tgtcttttaa accatcacat 157560  
 agtatcttta aaagggttgg gattatagga tatatttggg tatttaaaag tctttttgct 157620  
 ttgacataa tggaaaaat tagtagctgc ataataacc ataaagtga ttttcataa 157680  
 ttttcatacc tacataccta cctaggttgt tttctaagt ctgttagcac aagtgatgct 157740  
 gtatagatgt ttttctgta gttctttata tttcattggg atacatttct acaagtgtga 157800  
 aaacagagtc aagtatatgg atatcttcta aaactttttt atacctatgg ctatatcct 157860  
  
 tttttaagg ggtgggccag tttactgtca tacctatcag ataacagatt cactgaagta 157920  
 gctaaaaac atgtttcaag tctcaatgat ggtgcagcag tgatataaac agtatgcat 157980  
 gactgctttc caccaaaac gtgccagctg cttcttcaat gtcccagta tcatgggacc 158040  
 tggttgacac agagcccttt ctccatagc ttggctaaag aaaatcaca caatagtata 158100  
 aataatattg tgttacatag catgtataga ttgaaaattt attctgtatt tcagtggaac 158160  
 atttttagaa cactattgct gaggtagtca aactgttcta ggagttatta agaaattatt 158220  
 ttaggcaggt agagaggaag agggatcctc ggaaagtttt cctctgtttt aaagcagctc 158280  
  
 cagaaacgtt tcttgtctag tgggaaaacc tagctcttag aactgggcag gcaacctttg 158340  
 atatgcaaac gcaagccatt agaaactgcg tccacccaaa catgacgatt cctaccgttg 158400  
 tcttcttgcc ctigcccaaa tatgtgcttg gccacatggc cgcctccaca tatccccacg 158460  
 tgtgtagaat attatggagc cctgcatttg catattaaaa gactgggggtg ggagggccag 158520  
 ttttttttc acgggctacg cgaatgacct gctgtgtcaa accaatccgg tgagccctat 158580  
 gcaaatcagg caccacctcc tccagcctcc tcataaaatt ggctggtatc cacggcacat 158640

gggatctact ctttcggttt tggaccccc ctcctctgc ctctgtacag gggagcttct 158700

ttctttcttc tcccttcttt cttgcctgtt aaactctccg ctccttaaat tcacttcacg 158760

tgtgtgtcat cctatctaatt ttggcatgag acaagagccc tgggtctcct ccactcatag 158820

gggccgtatc aaaactacaa ctattatctt ttcaaatatt tccttcccaa acaagtacca 158880

tatgtttaat gtgtgatatt attatggtag taatattatg aaagtattt gtagtattgc 158940

ttagttctta aaaataattg tattataatt aaactatcat tacggcttaa tttctcttcg 159000

ttaatgtaac aattttatta aaatgtaatt cacatactat acaattcctc aaagtgtaca 159060

attccatagt ttttaatatat tcatagaatt gtgagcacac attttagagc attttcagca 159120

ccctaaaaag aagccctgta cccatttgca atgtgacttc atttattcta aaaagaaata 159180

atcacaaaca ctccttttc atggatgcct aggacttttt ctatctatct atatctatat 159240

ctatacttat atctatatct atatctatit tttgagacag aatcttgctc ttgtcgccca 159300

ggctggagtg caatagcgcg atctcggtc actgcaacc ctcctcccg ggttcaggcg 159360

atgtcctgc ctcagccttt tgagtagctg ggattacagg catgtgccac catgcctggc 159420

taattttttt ttttttttg tatttttagt agagacgggt ttcacatgt tggccaggt 159480

gatgtcgaa cctgatctc aggtgatcct cccgccgagg cctcccaaag tgctgggatt 159540

acaggcgtga gccaccgcgc ctggccctat atctttttt gtgatctgat ttcagatgtg 159600

gagaaagaga gtgctttgcc caatactctc aaaaattcgt cattggacac aggaatgaaa 159660

gccagccctc tttggcctta aacagagcta tggaaatatta gacctcattt agaggacagt 159720

ttatttccct cagactgggg agctgagaga ttttttaaaa agctctgtaa aggtaaatat 159780

ttcaaatata cggagcatat tctgatgctc ttgatcagaa gcatcttgat gaaatcttta 159840

taggaggtta ggctgaaaaa aagagctgtg agtaatcagc aatgtgccag gcatctcttt 159900

actgaccata agttcaacat atttttcata ttgtcttctt tttaaaaaga caattctggt 159960

gacttcgctt ttttgtttt ttttttttt ttttgacacg gactctctct ctgtcgcccg 160020

actggagtgc agtggcctga tctcggtcct ctggaagctc cgcctccggg ttcacgccat 160080

tctcctgcct cagcctcccg agtagctggg actacaggca cccaccacca cgcccggtta 160140

attttttttg attttttagt gagacagggt ttcaccgtgt tagccaggat ggtctcgatc 160200

tcttgacctc gtgatctgcc cgcctcggtc tcccagagtg ctgggattcc aggcgtgagc 160260

cactgcgccc ggccgacttc acttttaggt caatgaaatc actgtctact ggtgtcaata 160320

acaaatgat aaaaaaaaa aaaaaagaaa aaaaaggaa gcgttttgca cacaacaga 160380

atagaatttc agcttgtgat gcagggcctc tgtgaattaa ttcacttcct ctagaagcag 160440  
 aggacaccaa tttcctcccc cggaggtcag aagcgggaagg ggtagggtta ccatggagtc 160500  
 tagattctaa gagacttttg aaatgcaatt gccctgccgg ttttgttttag ctacaagggtt 160560  
 actctcagac ataggcaata atgagaaagt aatagctggg atggtcttgg gttgaccac 160620  
 gcagataagg atcaactttt ttttctttaa tagggggcca tgtgaccgtg atgactgctg 160680  
 tttctttcag atacttttgg tgttgactgg tcacccgaat gagacaagga ttcttaggtc 160740  
 aatccatttt cctgcatcag gagacacacg tcaaaactta gcatcaaat tgcacccctt 160800

tccatgactc tgtccctctg taaatgggga agagagcttc ccttttgcc ctgggcaga 160860  
 aggtctctta tttgtattca gtgattgtgt tagcggaaag ggtcccat agagactccc 160920  
 aagagagggt tcttgatct caccaagaag gaatttgagg caaatccata aagtgaagc 160980  
 aagtttatta agaaagtaaa ggaacaggcc gggcacggtg actcacgcct gtaatccag 161040  
 cactttgaa ggccgaggtg ggcagaccac aaggtcagga gatcgagacc atcctggcta 161100  
 acacggtgaa acccgtctc tactaaaaat acaaaacaaa aaattagccg ggcgtggtgg 161160  
 tgggcgcctg tagtccagc tactcgggag gctgaggcag gagaatggcg ttaacccggg 161220

aggtggagct tccagtgagc cgagatctg cactgcact ccagcctgga cgacagagcg 161280  
 agactccctg tcaaaaaaaaa aaaaaaaagtaa aggaatatgg gatggccact 161340  
 tcataggcag agcagcccca agggctgctg gactaagaat acttctcgta atttcttgat 161400  
 tatatgctaa acaagggttg gattattcat gagttttctg ggaaagggtt gggcaagtcc 161460  
 tggaaactgag ggttctcccc ccttttagac cctatagggt gacttctga ggttgtcttg 161520  
 gcatttgtaa agtatggtgg cactggtggg aatgtcttaa catgctaag cattataatt 161580  
 attgtataat gagcagttag gatgaccaga ggtcactttt gttgcatct ttgttttgat 161640

gggttttggc tggttctttt actgcaacct gtgttttcag caaggctttt gtgacctgta 161700  
 tcttgtgctg acctcctatc ctatcctgtg acttagaatg cctaacctcc tgggaatgca 161760  
 gcccagcagg tctcagctc attgtacca gcacctgtc aagatggagt cgtctggtt 161820  
 tgaacacctc tgacaatcaa attgtctgct ggtgatataa gacttctga ttttcagca 161880  
 glaaataatt ctaataaaag gactccagta gacctgaag ctatagatat ttccataagg 161940  
 caagccaacc tggagagtc ctttgaggtg aattctggat cccacacac atctttaga 162000  
 agactcagat atcacctgcc tataattctt tttcagtag gttgtatgaa ctggtacaga 162060

taaaatgaaa acctagctcc ctcaactgg ttcttcacct gaacctgaac ccacactgaa 162120  
 acacttgaaa gttctggtaa aggcaccttt ttcagtctta aaacagaaag gcagattttt 162180  
 gaaagccagg cagttttaaa ataaattctc ctggagaaac agctgttatc aaagtaaatt 162240

gtctctgttc aacgcattta ctggtttata tggcaatcca gaagtttacc acctctctaa 162300  
aaggtcaggt ctctttttct ttttaaaatt agacttgtgt tcatggttat tggtaaaca 162360  
tatggtaaatt acctgaatct ctgcaaagag atgttcaaatt tcaaaagtgt ttttacgatg 162420  
gtcatgtgca agaacaccct gcatttagtt gcacgcttat attcctttgt tcaagctctc 162480

atttcagttt taaaaataaa tgaacaaaat acattagcat ttaacatttt cttataaatt 162540  
gacatttttc aattttatga agtttgtacc ttctattttc agatttgttt tgatcaggag 162600  
aaagcccttt tatcaaaaga aggcatcttg ataataatac caactctgct caattcaaaa 162660  
tgccattttg aagagtaaag gacagcgtat gtgaaaagtg ctaggccaca gtcaatgttt 162720  
tcttctgtta ctgctcttta tattgttaaa gaattcactg ttaaatgtgt tctcctgctg 162780  
ccatgccttt caggaaacct gaatatattg gaagaatagc catttttgat gtcctatgaa 162840  
tggcttttga aggttcagca aggatatttg actagtgggt ttggtcttac tttttatctc 162900

ttacttgata ttgtaataga tatgaaaggc acacgttctc cagtgtgtgc tgatgttgg 162960  
tgtgggagag atttgagagc actgtaattt ccttggcatt tccccatga agctctgata 163020  
gtcccaaac ctgcgctcgt ggccgcctgc tgaacggctg ataactgatg aagtagacct 163080  
gagaaatatt tggctctgca ggacttctgc aagagaaggt atccaaaggc actagtatta 163140  
gtgtgcagca cccatttgac ctgggtcag cctcctgggt ccttagtccc atgagccagg 163200  
ccccacatgc tggccggctg gcaaagtcg gctttgcac cagtattgtt ttgctcagct 163260  
cgtacttctt gtaaacacat tcagttatgt tcctccatcc aaccttctag aggagggaa 163320

agcatgttgg tcagaaagta gattagaaaa tgcctacatg tagagtgtct tgatgcattg 163380  
caagcttctc cgiccccttg ggtggacccc tagtgtgccc actgggatgc tgagggcaac 163440  
ttgatccag ctttattctt caaactggga ctttcagatc ctactgatgg gagtataagc 163500  
gtgtactgca gctttgtaaa actgcttgggt gctacctatt caaactacat acatgcctac 163560  
ctttaacagg gtaattctac ttctaccatt tgcctgtgtc cttctctgac cactgagctt 163620  
gtcctttgtc acacagcctg gatgtgatat gccggccatt ctccagtctt cgtgtgaacc 163680  
gtcgggagca ggtctgcttg ctgctggct tcacggctg catggtgcaa tttgtgcctg 163740

atttactgac cctccattag gaaagcactc ctctttgggt cagtttacct aatgataatc 163800  
aaacctatg gtttatttta tgttcacagc cctgaatttg ggtctgatat ttattcttaa 163860  
tattatttaa tatttaatat atgataattt atatttctga tatttatcaa aaattgggtc 163920  
tgataaagta ggaggaacaa atgtcattga gccatcagat atgaaaaagt gcagcagaca 163980  
ggattgggct ctttcaatta ggcatttggg gatatgttta tttatgtatg tatatattta 164040  
tttatttata gtttgagggt tggagctgaa ggagttgttg atctctacaa tgagctaatt 164100

tttagcatta caaggagttt tctttttcaa cagtgtcttt atgtgatctc tctaagtcct 164160  
  
 agtatgtgtg cttcaaatta tacagaaaga ttgtgataag ctgaattgca tccctccttc 164220  
 cccaaatatg ttggcattcc aatctccagt acgtcagaat gaaaccttct ttggagatag 164280  
 gtgctttaca gaggtaatca agttaagatg agggcatttg ggtgggcctt aatccagtat 164340  
 gactggtgtc cttataaaaa ggggaaattt ggactcacag acagacacac acagaggaag 164400  
 acggtgtgaa gagacacagg gaaaagggtg ccatctacaa gccaaaggaga gaagtctgca 164460  
 atagaccctg cactgatagc ctcagaagg aaccaaccct gctggcacct tgattttgga 164520  
 ttctagcctc tggaactgtg agagaatacg tttttgttgt ttaagtcacc cattttgtga 164580  
  
 tactttgtta cagcagccct aggcaactga tgcggacttg tgaaggattt tcgattacag 164640  
 gacctaagag aaggtttatg agtattggaa attgtgatat aaattaaggt ctttagaaag 164700  
 aaagagggtg ataggtagaa aaggtttgaa aacactgact gttttttaag taagagatat 164760  
 gatcttggct ggggtgtgtg gttcatgcct gtaatctcag cactttggga ggccaaggga 164820  
 ggccgatctc ttgagatcag gagtcaaga ccagcctggc caacatggtg aaactccgtc 164880  
 tctttggttc aatttaccta atgataatca aacctatgg tttgaaaata taaaaagtta 164940  
 gccagggtgtg gaggcgcaca cctgtaacct cagctactgg ggaggctggg gcaggagaat 165000  
  
 cacttgaacc tgggaggcag aggttgcagt gagccggagg tggcagtgag ccaagtggt 165060  
 tctactgcac tccagcatgg gtgacagagc aagacgcat ctcaaaaaaa aaaaaaaaaa 165120  
 aaaaaaaaaa ggaagagat atggtgtcta aggaagatca gtgagtggaa accagcccca 165180  
 ggaaagctac tctcttgaat aaagaaaatg actaaggtaa tagtaatctt tttccacct 165240  
 ggttgccctg gctgggcatt ttgtcaattg ctccatcact accagtgggt ttgctgggcg 165300  
 tggggccatg gaagcaagtt tttctttct ttcctactgg tcatgggagt ttagtcattt 165360  
 tcacagtcaa ttggaaaata acagttgtaa aggcattttg aagaacacac gctggggcgt 165420  
  
 tgggccacct tttcttggt tgaaattgag gcagaggggt cagaattaac aaagaaaatc 165480  
 atgcagcctg gcttttattc ttacagaaac atttctgag tgctgtctct gttccaggtg 165540  
 ctggctgggt actggagcca atgcatggtt gactaaagag catacagtcc ctgcccacat 165600  
 ggtacttaga tccattgttt aagaagcaag cttagacctg agccgtgtag gagaatagct 165660  
 cacattcaca gaggtgggaa aggacaatgt tttagtaatt tgaatggcat taggctgagg 165720  
 aacagacagc aaaagcaagg cacaggggcg tgttgggggg aatggggaga caaaggcccc 165780  
 atccaagtc tttgaatgct cttctgaatc cacacactgc cactgttagc cccctgcag 165840

ttaggaactt gccgcatctc ccatcaaagg tgaattccgc aggaaagaga tgggctttga 165900  
ataataatgc ctgtgttact tttgttaatt cttccctgag cgtaagtccc aaaggctgga 165960  
gaaaaagcaa atcttttttc agtgcatttc atttgaaaag taaatttcat ccatttgttt 166020  
ctagatagct ctigccctcg gccttgaaca aaattaattt tggaaaatga attccacttg 166080  
gcaactatat atcttgaac aagggccagc ctttaaaaat gtgttgcaat gtgtacactt 166140  
ggaggcatga gaagtagata cttgtaagat cgtgcaatc ctggttcagt attagctcct 166200  
tctctaaggg cacccatagg gcccgttct cggtagaggg cctccctctg cagggtggagt 166260

ataagcatgc aattcctgct cccaaggagg gggcttctgc catcttgga gctgttggg 166320  
gaaactttgg agaccaccag gaaccctaa agcccttgag aactttaaga agacatgatg 166380  
ctggggtgga gggttgtggg ggtgaatggg atccaccctc ctctacaggt ccttgatatt 166440  
ccttgggctg ctgtactaag ggtctacttt cttctctctt tcaccacacc ctacccctt 166500  
ccccccatac attaatgctt tccagtgaac tgctatggca aacctaaaga cctgcttgat 166560  
ttagtctttt aagctaaaga aattcagct tcctaaccat aactttctgt ttgggagtta 166620  
gagaatcaca gaatatcaca ttgcatggag cctcagactg atggagaact atttttcagt 166680

attagagcag cttttcatta cccattctat atattagaat gatgcgggaa ggtgaagaaa 166740  
atcagggaac tagtaaaact gagaaggaa aacaagtga tttttcatta attcgacagt 166800  
tgccggagact ctatatgtag gtctggccct ggactaagca caggcgtaaa taagactatt 166860  
cctgtcctca agaccctacc catttaccag gggagagaaa catctaagca attataatac 166920  
agtgccgcc agtattgtca tgtttgccca agatgcaggg gaacgtccgg gggaaggga 166980  
acaataaaca gggaagaatt tggaaaggag ttggtggtgg agctcagtgg tataaaccag 167040  
taggtgttgg aagctgagag aggagtttta ggcagggcag agcagagaca atgtttgaag 167100

acagggagag cacaatacgt ccggcaaagt gcaataggaa gagagtatgt ctggcgtgga 167160  
gggtgttacg gaggtagggc aggagcaaga caaaaatgtg ggtagagaca gaccaggata 167220  
agtctcttgg gagcctggag ttctctttca agggatgagc agcagtcggg gaccatgga 167280  
ttcaggttgg tattttagaa agagcctgct ggtaccaggg tggaggtgga ttggagggta 167340  
gtgagcctgg aggcgggaat aaagtggaaa agtccagtct ggtcccagca tcccaggtgt 167400  
gagccacgtg gccttcgcta ggtctgttgc tatgacgtca ggggcatgct gtaatctgag 167460  
agcacttgat ggaatgcatt ctcttactta aagactggct ggaccaatta tttattaacc 167520

atacaggtgg cttttctgta taccttgact ctgacactca ctcttccag ctctcaagtc 167580  
cagagaaaac aaactagtta ttgagactgt tcttggcact agtgatatag ttgtgaatga 167640  
aatggacaaa agtcccttcc cttgaggagc ttccattcta ccggcgagac agaacataaa 167700

caatcgtaca cattaaatga cattaaatga taggcagcaa tgaaggctct ggtgaaaaat 167760  
 aaacatcggg aaaggggctt gcaatttaca ataggagacc agtaaagccg caatgaggtg 167820  
 ctattttaac aaatttgacc ccggaggggac cttcacttca agggctaagt tgtttaaagg 167880  
 gagggcaagt gtggtccaat tgtgcttgca gaggatctct ggaccttaat ggggccacga 167940

gctatgcttg ctgtccctgg agggggcagc caggctgacc acagaaaatc tgtgatggaa 168000  
 ggagggtcta ataaacactc tctgtttctc agcttggagc tgatcttaaa tattcaaagc 168060  
 aactcaccac tcccttctcc tgttggcccc cagtttattt gctgaaaaga aaaaaagtt 168120  
 cagctcagct gtagcatctg ttttctagt aagtccctgc ttcttactca attttccagc 168180  
 tggtttgact tatcagtaca caagcaggtc acctgactgg ctcagggccca cacagtgagc 168240  
 aaaagattcc accaaaacag gaaccaacc ttatttttat tattattttt ttatatgca 168300  
 cagtttctgg gagttccaca gttgtggcag atgggatgct aatcacattc acggaaaatg 168360

tatgcaagga acttcagtc agaactctgc atctggctcg aggactctgt atgactcgac 168420  
 ttccctagtg gaagggggaa agcagagaaa caccctctc catccattaa aaggccattt 168480  
 tgcacatgac ttgaagactc ccagttgga ggccctcggt ccagtgagc tgcattttgg 168540  
 gttgcatcct ctcaaagcc cacacccaa ggtgtggcct tgcccagttt atttattttt 168600  
 tctttccca cttccctct tctcatcct gttcctcctg ccgccgggca atttcaagtt 168660  
 cataagcaag ctgctacagt gttagggact tttgggtag aaatggcatg cggttgctgg 168720  
 tgaaatctta ccagtatttg cggtaggtt gagattgaca caggtttaga aaatataaaa 168780

atcacctatg ggccctctca tttgtgattc tctttttgt ttgcagtaac ctttgggtta 168840  
 agtctttcaa gctaatccat tcagcttcag tctttaacc ctttgatgtt tgttatctat 168900  
 ttaagctaca agaaccttat cttcaaatga agattaatgt gaaaacaaac tggttgtggc 168960  
 tttcacagaa gttccattgg atccaaagcc cctgccaac aggttctctc tgtccctct 169020  
 ccacacatcc ctttgtgac tcagggcctg tggaaactta ggcaaaggtc ttttaactctc 169080  
 tgagcctcag tgttctcctc tgctatttgg gcacaattat atgcacctct tggggtgtt 169140  
 gtgggatga atgaaatggt acatacccag tgacttgac actgaatggt caattagtct 169200

tttctcttg actcattctg aggtgggttc taagtggcca tcttgatttt ttgtcaatac 169260  
 tactgttaa gtgaatccct ggagtcatag tctgaaacce taagtatacc ctteccaatt 169320  
 ccctacttta ccagactaag ccttcactc aggtagtcca tttcttattt ttattatttt 169380  
 ccctgtcttt ctaggtaccc ccagggtttc cttctggct ccttctcta acctcattca 169440  
 gtcaccaatg taaagtttt ctttttattt tgagaatgtc aaacatgtaa aggtagaata 169500  
 gtccagagt aatattacag tggacactat atatccatca actggaatta acaactattg 169560

acagtattaa cattcattat cgtatattct tcatcttttt ttgctaaaat attttagagc 169620

aaatctaaac aattatgaat ttcatgtata gtttttcatg tacatatata tcactaaaaa 169680

ataagaacat cttaaattatt cacagtaact taatcatact gtacaaaata aaaaccaag 169740

aatttattaa tgcacatctac caccagtcac atattcaatg tcttttcata catggtttgt 169800

tagaatcaga atccgaataa agcccatacg ttagctttgg ttttttcaat cgccaattcc 169860

gcccttcccc agtttattct gccatgacaa gtcgtgatca ctgggtttat actctcctct 169920

tttttttttt ttttaatttt actttaagtt ttagggatca tgtgcacaac gtgcaggtta 169980

gttacatatg tatacatgcg ccatgttggg gtgctgcacc cattgactcg tcatttaaca 170040

ttaggtattg ggaggagtca aaaggcaagg tcaaaggtta aagatcgtct ctgtcttgac 170100

aggtattttg atggctctcc attgcgtatt tgtaagtgtc taaacccttc catttacact 170160

ttaacacatc aacttttcat tcttttacag aagagacact ttgttgacagg gactttctga 170220

ggacatgat gagaagaact aagatgggtg atgtgcaatg cttaacccta cccagtacac 170280

agaacatact caaaaagttt atggattctt tttttttttt ttgagacgga gtctctctct 170340

gtccccagg ctggagtga gtggcgccat ctggcgcac tgcaagctcc gcgtctctggg 170400

ttcacgcat tctctgctc cagcctcccc agtagctggg actacaggcg cccaccacca 170460

cgccccgcta attttttgta ttttttagtag agaggggggtt tcaccgtgtt agccaggatg 170520

gtctcgatct ccigacctag tgatccaccg gcctcagcct cccaaagtgc tgggattaca 170580

ggcatgagcc accacacccg gccaaagtta tggattctta attgtagtg atcattatga 170640

tcattgcac ttagaaagcg ggtctttggg tcagcggact tacactggaa atctgcattt 170700

tctctctgtc atcaagcatg ttactgaagg agcatctctg agtctccctt tcatcagtga 170760

tgaagtgaga gtgatgatg ctcttagcac ttgagaaag agagatgctg tggataaaac 170820

acatatagca ttactggaca caaaataggc cttcaacaaa tggtagtata tataccacat 170880

acgtaaaata catatcatcc atgaccacc gtcttatttc tctctctctg tctgtccctc 170940

cctccctagc tttatcttcc ctgtctttca attctgctg catgtggata ggactctaaa 171000

tacatttcag tgiatacatg gtataatgga aagaatcttt gttgagtatt ctaggctga 171060

actcatcttt tagtagtaat ctaccctcag gcaattcatg ctacttgctt gagcgcagtt 171120

tattcacttg tgaacagga ataattgtgt ctgttctgag acccttaca ggtgagtgtg 171180

atgctcacgt aggtgccaca gggtagagg gctttgagac ggtgaaagcg ccaactgaca 171240

ggctaagtcc gaagtacact gagagggctt taaagaaacg aatacaaatt ccaatgacat 171300

gaagtaattc ataagcattg tcttttaaaa aaaatcatgt tcatcttctc tggtttactt 171360  
 ggttttcttt gccattgaat tattccacca ggatttgctc tcttttgagg atcaagagcc 171420  
 acagaatgct aaagggaggg agagtctcgg aggtccctg tgaagtggga aatcacctgg 171480  
 atgcagtggg gcccttcaag tgcacacca aaaaaacca tcccagaagg tagggaacag 171540  
 aaagcctcaa ataccaaatt aagatgttct catcagacag cttaataaac tagtttaaaa 171600  
 cacacagaag taaggggaaa gagatgaaga ctaacacacc tggggtaggg tacaggcagg 171660  
 gttgaaaggg ccagactcca gtcttgtatt acaggggtcc ccaaccccc agccatagac 171720

tggtactggt accagtcctg ggctgtttg gaactgggcc acacagcagg aggtgagtgg 171780  
 tgggcggacg agcaagcaaa gcttcatctg tatttacagc cagtcctcag agctcacatg 171840  
 accctgagc tccacctct gtcagatcaa tgggtggcatt aggttctcat aggagcagga 171900  
 acctatgata attgtgaact gcacgtgtga gggatctagg ctgtgtgctc cttatgagaa 171960  
 tctaattgct gatgatctc accctctccc atcacccttg gattggactg tctagtgtca 172020  
 agaacacaag ctcagggtc cactgattc tatattatgg tgagtgtat aattatttca 172080  
 ttatatatta caatacaata ataatagaaa taaatgcac aataaatgta atgcgcttgg 172140

atcatcctga aactatcacc ctgccacccc agtccttggg aaaattgtca aattgtcttc 172200  
 cacgaaacca gtccgtgctg ccaaaaaggt tgaggaccac tgctgtgtta gacgatatgt 172260  
 atagccccc acccccttc tctgtgtctg tctctcactc tcacactctg acactggggg 172320  
 tatgaagagg acaagattta ataacaaggg ggccaacaga tggaaggtac ctgaggcaga 172380  
 cacacgcatt tgtttttgtg agccatggag acaggtgtgc ttggtccag ccgcagcttg 172440  
 ccagttagcc ggctggcttt tatctgtgtt tcaggccaat gatcctcaac ctttttggca 172500  
 ccagggacca gtttcatgga agacaatttt tccatgaatc aagggtgggg taggattcag 172560

tgcattacat ttattgtata ctttatttct attattacat tttaatatat aatgaaataa 172620  
 ttatacaact ctcataatg tagaatcaat gcctgaact tgttttcctg caaatagata 172680  
 gttcctctgg aggtgatggg agacagtgc aaatcatcag gcattagatt ctcataagc 172740  
 acacgaacc tagattcctc gcgtgcgcag ttcacaggag gatttgtgct cctatgagaa 172800  
 tctaattgct cggtgatct aacaggagac ggggtcagg gggtaaatgc ttgcttgctc 172860  
 actgtcacc tctgtgtg gagccagtt cctaacaggc aggagccag gagttgagga 172920  
 cccctgttt agccagagga taggcagaac caaatgggt gttcccatg agtgggcaat 172980

ttaagtccca gtgaatttg agtgcctcaa gtatatttag tgtaactttt gatccttcca 173040  
 ttttcccat cttccactg caccatgtg ctcagcctac ctcacttttg tgtaactcac 173100  
 ctcactctac ttatttctt ctatgatcat tggcctgttt ctgttatttt ctagatagc 173160

atcgaacatc tttaaacaat agagccaaca tctatcacag cacatattcc agcactctca 173220  
 tgtgaaacaa gtgtgaactg aggacctgag tgcagtgtga gagaagcaag cctgggacat 173280  
 agcccttctt actcctagtt caacacaatc cccatgatct tttactttc ttcctgttct 173340  
 cagggtgaga taaagaggaa tagagacctg gctaagccat ctgaaacaaa cagacaagca 173400

actcagcact acaatgggac tttttggata tttttggagg caaaggaata tcagttcttg 173460  
 tcaaccttca ttttgcagac tgttgtatgt agcagaaaaa agccagagag atgtgggtgg 173520  
 aaacccacgc ctttctattt ggcgaaataa ctgacctg ggagagtcc tcctttttta 173580  
 gcctacaaaa ttagtaggag aatagagtta ttatgaaaat tatacgagaa agagtatgca 173640  
 aagtgtcaat cattgagact ggcttaaagc taggactcaa ataatatga gttctgctat 173700  
 tttccacat acctcttctc acttcttcat tgtaagcttc aatttgtccc caagccaatg 173760  
 gcattcactg ttcccatag tctctgcta aaattttgac tcaaggtggt gacagggagt 173820

gatgctgtgt ttggccgtcc cacctgacaa tgagaggagc tgaattatgg cggaactct 173880  
 tcggccaagg gttgctttct gctaggtctc ttcgggggat gcttcattct agaggccaag 173940  
 agcgcttcaa agaaggacca ataatgtgt ctgggggctg acaaccacac tgccaagggc 174000  
 agagtgcac atggcagccc ttcttcttcc tttagaagaa ctctcaacc ctggggtaga 174060  
 gtttcctgta agtgtgggtg ttaaaatggt ttgttttggg gttgtttttg atacatgcaa 174120  
 ctcttccag aggctaagac atgaaaagtc ctgccaggaa atcatcactg aggaataaat 174180  
 aatatcataa cctctctctg aagcccaaca gttattctcc acacactcat cctccaacac 174240

cctgtcccag ttgccagctc caaacttata gaagtctcag caaacaggca tgaggcagaa 174300  
 acatgttcca aagctgtctt ggctcagcag ggtccacca tgctagctag gatggggaga 174360  
 attccaaggt aaacaggctg cgttatcact ccagactttc ttggcaggaa caaacgggtt 174420  
 tccagcccca aaacatatit tgttgtgata atggacaact agttacagag taaacacatg 174480  
 aggagtgcg aggtgttatg ttcctttgtg ttccccaacc agatgttctt gtgtgggact 174540  
 ggcgttttcc gccccctggg tgteccatgc tgaactgaaa gtcattcttt ctccccctc 174600  
 tcaatgacat caagaagaat tctcacagga tatttccaa aatgagctgt agatttact 174660

tgcaacaag attaaactgt ttctgtcaat ttctttcttt ctttttctt ttttctcaa 174720  
 tctggattat tccaagtagc attagtcaaa ataaacatgt aaatcttgac ctttagaaaa 174780  
 gtaactacta tagcagagtt ataaaagtta ccttagggaa ctccaggctgt gaaattgatg 174840  
 cccgtgtcct cgtgctctgg gttggcactg ggtgctgtgg acgccacctg tgcattgcta 174900  
 caaatcaagg ccaaagggtg aacatgccag tctattttcc accgtctctg gtcaaggcat 174960  
 ctggcatgct ggggccattt gaagagggtt ggacagtatg ttctcttat ggcctactgt 175020

gctatggatc catgggtcag ttggagaaa gctgagtgt tctagaatat ctgacagatc 175080

gaagtggggc agtgaggiga atgaacttgg gtttaggaaa tgaaacttca tcaaactgtg 175140

tctgaagtca atctcatgtg tcattagcct tgaaggttc tacctggttc tcgttgaaca 175200

agtcttggcc tgggccctga acttgcttgg ctgtagcaag ggaagattac acaaacctc 175260

ttttgtgtc acgccttate actcctcgag cagaaaaggag ttctctgttt ttccatgcc 175320

cctttccaa cacaggagta gcgcggggc aggtctctc agtcgctgag tcttggtgtc 175380

atccaggctt cctatgacac gctcagtga aggcaacttg agtcgctcag gcagcctgt 175440

gtgtaggac ctctggtctt tcccagtga tgataaaaag aggtagccct aaaatgtgtg 175500

agacattaaa ggttgattgt agaagataca cgcagcatgg ttggctgcat aagaaattca 175560

atgacggctg ggtaccgtgg ctcatgtttg taatccagc actttgggag gctgagggtg 175620

gcatattacg aggtcaagag atcgagacca tctggccaa catggtgaaa ccctgtctct 175680

actgaaaatc caaaaattag ctgggcgtgg tgggtgtcac ctgtattccc agctactcgg 175740

gaggctgagg tgggagaatc gcttgaacca gagcctcca aggtgcacca gaggttcag 175800

tgagccaagt ttgcaccact ggactctagc ctggcgacag agtaaaactc cgtctcaaaa 175860

aaaaaaaaa aaaaagaaaa gaaaaagaaa ttcaatgaca catgtgctat gtgcttctca 175920

aaacactaca gttataagat cttatttgat cctaattaat aataccttat gctactgtaa 175980

gtgcttgtgg ttataaaac actctggcct actttattta actctcagca caaatttgtg 176040

aggcagggtg aattaggctc gctttactgg tgaattacct tggctctctgg gagtttatgt 176100

gatttacc 176160

actccaaatc cagggccttt cccagcagg tgggagtca gtggagtagg tgccactgtt 176220

cacgttttgt agatgagaac gtttaagcagg gattacataa cttgccaaca aaaagtaatt 176280

tgtgatagaa tctaagaaat aatgcacatt tctgacttc taatctggtg ctcttgccgc 176340

ctctctggga agcttttggg ggggataagt gaaggtggga gagattttgt gatcattgga 176400

aaagaaatct aatatagaaa tctatccta aaggacatca caaatttgca gaatgcatat 176460

catcgtaatg tataaaatat attagtgtt aaaaaaaac tctgtctatc cactccattt 176520

atggaattta ttgcctaact gtctttttat accatggcag tgtttgtgtg tgaaatgtgt 176580

ctaacttgtg gaagctataa tttgtattc aagacatgat gggtaattat atataggagt 176640

tgcacttgaa ttcccatct actgacaaaa atgatggaat cagccacagc attgtgattt 176700

cctttcagtg aaatgcattt gctttccttt tcaattagtt ttatggacaa gattcaaaga 176760

ttgctctaga ctgagagaaa gtgggtgactg gaattagctt tgtcacatgc ggaaggactg 176820  
gcattgcttc ctatcagtcg acattcaggc aggaacacac atctggggga gaatgcagac 176880  
actccacatg gcagttctgg ttggcgggat gttggctgtt aggttcgtct ggccacatc 176940  
caagtgggct tactgagtga ggcacagaag gcgactctcc agggcacttt acttctaacg 177000  
agtggacctc tcccctagcg caggtcaaga ggcactgctg tggggattct ctgatgcat 177060  
gcacttattg tattgcctgg cctcctctca actttaccag caagctctta tatgtctatt 177120  
tccatgacaa ttgtacttca agggcctaac atgggtggctg acatcaagca gagactgatg 177180

taaagctact gaataaatgc atggaagaat gacaggcaaa tcttaggata gggcattata 177240  
gtgatgcctt gtgtgtcccc ataagctcaa catttcaatc tactcaaaat tcagcccaac 177300  
ttggaggatg gcagcttttc tttctgtaag taaaatcagg tagccatttg actgttgaca 177360  
gacttgcttct tgggcaagtt acttaaat tctgggcttc accagataga atagggtga 177420  
aggtgtctga tagcagcccc gtcgttgaaa tgaatcaagt ctaagcacct tgggagagct 177480  
gccaaagatct tctgttgggt gccaccttt gtggaagct ctcaatgaca cacaacttac 177540  
tccttgctgc ctgctggaca tgccatgccc tcttttccat ctgcagtga tgtcttgctc 177600

tccctggggc atgcccctcc tctgttctct ttgcctggga aacttcttca catatttgg 177660  
gactcggatc gaatgctact cttttttttt cttctctcaa aaaatcctc ctcactgctg 177720  
cttgtacctg ctttagcatt ttgtttatgt aaacgttatt atattgatca ctgtattagt 177780  
ccattttcat gctgctgata aagacatc ggagactggg aagaaaaaga agtttaattg 177840  
gacttacagg tccacatggt tggggaggcc tcagactcat ggcagggggt gaaaggcact 177900  
tcttacatgg cagtggcaag agaaaaataa ggaagaagca aaagcggaaa cccctgataa 177960  
acccatcaga tctgtgaga ttactcact accatgagaa tagcatggga aagaccggcc 178020

cccttgatc agttacctc ccttaggtcc ctcccataat atgtggcaat tctgggagat 178080  
acaattcaag ttgtgatttg ggtggggaca cagccaagcc atatcaatca cctttaactg 178140  
gcattactgg aaattcttga ctggctcttt taaagggtag atgtgtatt ctattaattt 178200  
tggtatcctc taagcctagt aaaatgcctg gtatagatta aatgcttaaa tctttgtaag 178260  
ataagtaaat gactgtctga atgaatgaga gagaaataga agtaggacga ctatcacatt 178320  
tttaattttt caaaaaaggt gagatgattt acccacaatt taaatcaata gagattccta 178380  
glatgtcctt accaggtgag aagcttctgg aatcccaaac acccagctca gttttgtga 178440

ctggatgaaa ggatgtataa gcaaatagtg aagattcttt tgcaaaaatg tagtttgact 178500  
tttgtctcca tttatttatt aatttagctt acgttttagtg atctttgatt atatgctttc 178560  
ccctgtgcat tcttctcct catctctgtc taatccaag cactggggct gctaataatcc 178620

ttataatatc atgaaagtig atacagggaa gtttaaaaac tttgtgaaat atgataccag 178680  
gcaaaggttc acaggttctt ttaaggctg acttccttc cttggtttct agcatccgag 178740  
atcattaaaa atagatagca ttgtagacat tttaaatacc tatcttactt tatttccacc 178800  
attagttttg ctgtttcttc ctgtggctct ctgaggttga agagagaaac ctcaaggtca 178860

ttttcaatat caggcagctc cactgctcag ggcatgcttt cctatgtgta ggtttcttta 178920  
ttctccatt ctgcttcttt tcacaaaaat gtgggttgca aaaaatccat atcgtttact 178980  
caaacatag ggttctaaaa cttgagacac tgggatcaat ctaacatgc tatttggatt 179040  
taaaatgtgg ggaggatata cagctaggtg agctatctga tcatgagttc aagattgaag 179100  
gctctttttt tgatattggc atttcagcat caaatgggca gcctcttctc tgatcctaata 179160  
gttctctcct ttaataagg cagggtgggac acgactaaaa atttcactta tcccagcacc 179220  
aatgcagccc caccctcttt gatttgcttt cctgtagcat ttatagccac atctcttttt 179280

caatcaagtt tctaaagaaa ctggattgca agtttcttta agtcatggac ttcccttgct 179340  
catcttctct ttcccactcc aaagtctatg gcaatgtgta acacaataaa tgcagactgt 179400  
ctcaaaagga taacagctcc ctcaaaagtg tcaagatgaa gacatcagag catgctgaca 179460  
tttttattct tcttaattct cgtgcacacc aatggctgga ggccttccat tgtctcctgg 179520  
tctgagtgct ctatgtatgc ttgtcaaaat aatgaaaatg tctggctgtg tcattgatca 179580  
aacctcatgg agtgaagaaa caagcctcgg aagggttggc tctgctttca aaggtaccgg 179640  
acaccaggct gctggtgcaa agtcccttgi gaaaggctgg cccaaatgac aagctgtaaa 179700

ggtccagact ttcagttatg ctctgtaaca gtgtctgaaa tcaatatcca tagcgagaaa 179760  
ggtgggtggag gatcagaggc ttgcagtgtc gcctctgaca tttcaggagc atctcagttg 179820  
tccccagggt tggctctctc tcatctccagc ccagaatggt gctgggcggg gggagcccga 179880  
gctcttctct ttagaaatct tggagcagtt tttgatctgt gcaaatcctc gggaggaaaa 179940  
gagaccggga acccttggct tgtgttttgi tctagcagag ccagttttta gtgaattgat 180000  
ttgtagggct gctgccacaa aaagagtgat tccttttctg gctgggtgag agaaacagta 180060  
aatgaggct gttcttgatg gatccctagg gccaacccat gcgagagggt gatggccagc 180120

cttgccagtg ggcaagaata ccagtaagct cctggagtac atttcttctg caaaatatcc 180180  
agtgcagtgt ctggcagagc actgatgtc ctgaggatta gggcccttgt ctaatgcggt 180240  
gacatctaag tcttctattg acattaatat tatgtgtccc tattttatgc aagatgtgta 180300  
taggcccgtg gtatacttgt gaaatatgga gctatctttg gcaattttca aagggccagg 180360  
gagcatccag tttctcttgt ggggtgtccc ctatctccc tgatctctct ctttcagcaa 180420  
cttcagcac ccctacttg tttatctgtt gtgccctgag acttacctcc ctctgaaat 180480

atggtaacat tgcattctag ttggctcttc tgccttatt cttctgtctc taattgagta 180540

ccctgccttc atttgtttca ttctaactca gataggttca ttctttttt ttttttttt 180600

tgttgagaca gtttcgtct tgttgcccaa gctggagtgc aatggcgga tctcagctca 180660

ccgcaacctc cgctcccg gttcaagcga ttctcctgcc tcagcctccc gagtagctgg 180720

gattacagcg atgtaccacc actcctggct aattttgtat ttttagtaga gatgggggtt 180780

ctccatgttg gtcaggtcgg tcgcaactc ctgacctcag gcggcccgcc cacctcagcc 180840

tcccaaagt ctgggattac aggcgcgaac caccgcgcct ggcccagata ggttcattct 180900

tattcctggc atggagctcc tctgatacct ctcattatta ttgttgggtt atttccaaa 180960

atgtttgaat tggttcactg catccttggc tcagcccatg tgccaagtcc cgcgtctgga 181020

ctctccttc catatatttc tttcaagga aggtagaact gtttaccaca actccgacat 181080

caactgacta ttactcattt gtatggcaag ctcttccca tctgtcaaga gtctgtcaa 181140

atgccatttc atttctgtaa ttcttcattc ttctcgcaca tgaataatta atcaatctac 181200

ccctctctga tcccttataa tgttgacat attttacaat aacgtttatc attctgggtt 181260

attttactat tgatactcat ttgcatatca ttcttataa agcggtaga acaggaactt 181320

taccttgatt tatgtttgaa ttcttggtgc ctatcaatgg tgcctgctgt ttgtctaatg 181380

ggtgctttga caaaagtctg ggttgaaact taaaattga gacacattg tcttttgat 181440

ttgagcatcc gtgcatgta catgttgata agttaatatt ttattggta ttgatactat 181500

tttagggttg accatggaaa ttgttatctt aaaattagat tccattggat cttggcatta 181560

aaacgttctt aagaggtctg tgaccacgt actcttttgg tttagaaca atttttcatt 181620

gccaaaaagt tctgagcct gatgcatgca acatcctgca tagaataata aagggtctgt 181680

acattttgtg gagtcaatcc aagagaatga cctacttaga aatctccaac tgagaagaat 181740

cttttagaaa gaggagtcca ttgatcttc ctgtttggtg acttatctat ggggaagata 181800

ggcttgtcta tgagaaactc aggttgcattg atttgtgtt tcattacctg gggccggatt 181860

tgttactgat actccagagg ttctgcctag gccctgctgt ttgccgcaca gaatccaat 181920

cactgagaca aatgagtatt gccaggaag aaggcttttag tcacctgtaa tcagggtcta 181980

tagttaagga gaaggggaga taaattctca aatctgtctc ccagcttat gaaaattggg 182040

ggatttatat agcaggggag gcaggaat aggaattagg gactggttaag aaagcaatca 182100

tgatagatga ggaaactggc atctcattgt ctggatgtga tgatctgat agtttcattc 182160

ccttgcctga ggttcagttt cttaggaag gaactcaggt gagacaaatg taagtttcaa 182220

gttttaagac aaggaggagggt gaatttctat gtttattcaa aaatcataaa tattagtctt 182280  
atgggaaaat tggatggttt cagcttgaga ctaacttggg gggcactgaa atcagcatga 182340  
tccttaggtg gtcgtatgtt ttcataggcc tggctcagc cactgcctca gcgctaactt 182400  
agtggcagag aaactcgcag gtctctttgt actcactgtc gacgtctact gaggcatcac 182460  
tcctcatggg ctctggagtc cgagtgccta ggctccagtc ccagctccac taaggggtgt 182520  
aagcttgtgc gatttactta ctatctttca acttcagttt cttcatctgg aagatggaat 182580  
aataaaaaata gccatgaggg gtaagatcac aatataacac actataaaac accaaaaggt 182640

ctacgtctaa gacttggctt ggtgcgtgtt tcagcctcaa ccctgctccc acctcccca 182700  
tctagctatt tagcatgatt atttttattt gatgcctgtg cattaaaaat cggctcttct 182760  
agacctagtt ttgatttatt tccatacatt tgatgagggg caatatttgt tgaaaggaaa 182820  
tgtgattttg aatgttttaa actgccattt tttagggccg tgcattggtg ctcattgcctc 182880  
taataaccagc attttgggag gccaaagatg gcagatgact tgaggtcagg agttcgagac 182940  
cagcgtggcc aacatgatga aacccgtct ctactaaaaa taaaaaatt agctggacat 183000  
ggtggcaggt gccgtgaatc ccagctattc gggaggctga ggcaggagaa tcgcttgaac 183060

ctgggaggca gagattacag tgagcccaga ttgcaccact gcactccagc ctgggtgaca 183120  
gagttagact ccgtctcaaa ataagtaaat aaataaataa ataaatacat agtttaaac 183180  
tccatctcaa aataaataa taaatagttt taaaaagtgc cattctttga attaggtact 183240  
ctaaaataat atcatatacc atataatcta ggcctgaaga ttgtttcaat tttttaattg 183300  
atgtgccta tgttttacaa atatgcta atagcatacaa atcttttgta atagaaaatt 183360  
aggtatttta ttattgttct aaaatgagaa aaaaaaaaa gatccattg attcccatat 183420  
caaattgtct tggttcttat tttctattcc acaaaccttg taacaaacag accctttgct 183480

ataggtttga gaacagtata ttaataaaca aatacaatat aaaattgcca ttctttaaag 183540  
taacacatct tataagctaa atgattttag gagatgaaat gtcaggccag tcaccagctt 183600  
agagaccaat gcttggttaa ttttaagaag ttagggtag aagattattt tacacaaaac 183660  
atttgttcaa taccttttgt attttcttga ggcacaaaag cacatacatt agtaagtgt 183720  
tcgtgtccaa cttttattt ctctatgctt tggattgttc aggtaggcaa gaggagggtg 183780  
aaaaccaatt ctaaggcaca gtgtgtgtgc tcatacctgt aatcccagca cttttggagg 183840  
ccaaggcaga aggtattgctt gagcctagga gttcaaggct agcctggtca acatagtgtg 183900

actccatccc tacaaaaaga agaaaacaga ttctaatttt agctgttacc tgataccaga 183960  
aaaactgatt taaaaaaatt aaaattgctt atttgagggt ttttttttt ttttttaac 184020  
gagacggagt ctgcctctgt tgcccaggct ggagtgcagt ggtgcaatct ctgctcactg 184080

caacctccgc ctcccagggt caagtgttc tgggtgcccc gcctcccaag tagctgggac 184140  
 tacaggcagc tgccaccaca cttggcta atgttttggt ttttagtag agacgggggt 184200  
 ttgcatgtt ggccaggctg ttctcaact cctgacctca ggtgatccgc ctgcctcagc 184260  
 ctctcaaagt gctgggatga cagggtgag ccaccgtgc cagccttaag cagttattga 184320

aatgcatac aagtccaac cgatgccttg tctgtgcaa tgtctcatt agtctctata 184380  
 taaatctatg aaacaggctc tatgacctga ttttagagg gaggaatta aggcctggag 184440  
 aatttataaa aagattatgt ttttaaaaga taatttttt tttctgttga attaatgttc 184500  
 attgggcctt ttgtctgatt ttcactgatt tcaggcacag tggattgaag aggggggcag 184560  
 tgctgagtca ttcacgtggt gtgtgagggc tctgtttgt aaatcaggga ttcctgcagc 184620  
 ctgctttttc aggtaaacaa cattcctttg aattttgctt catgttttaa acagaaatca 184680  
 tgttatttgc tctgatttg gctgcagagc aggcagcagc atgccctcca gaaatatcaa 184740

agaaggaaaa gcctcctggc atggcaaac gcctcagctg ctctctgaaa atagacctca 184800  
 gttgactgag gttatgtcag gttctgctcc atgttctttt ggaggagttt aggggttattc 184860  
 tctagggtaa tatgtacaac atcttttatt caaatataaa tgcgacacga ttctacattt 184920  
 tattattaaa gcgtttgaaa aggcggcctt ctttatggag ttggaggcat tttctttgt 184980  
 tcgtggtggg ttagatcagg ggttctcaac taggggtcag tttgtgccc ccgccgggg 185040  
 tcatttgaaa atgcctggag aaatttttag ttgtcacaac tggggttgca actggcatct 185100  
 agtaggttag gtcacagatg ctgctaagcg tcccacgatg cacaggacag agaattatcc 185160

agtccaaaat gtcacgtatg ctaagggtta gaaatcctgg gttagggtta attgccttaa 185220  
 aacgtagccc acgtttgcaa cctgaatcta ttgaaaatg ttcctccctt ccagtgcag 185280  
 cagagttaat gtgatgttga attctgtggc ttgtctcaa ctctaaagtc tgatgagatg 185340  
 atcgatgcct cggttcttt ctttctgtc tgttattgac tttctctcc gcctctggtg 185400  
 tccaagctct tgctgctggg ggatgctcac aggatggtgc aggagatgag ggagagctgg 185460  
 acccacttcc cactctcga aatatggctt taattagata agggaaaatg atctaataaa 185520  
 aatcaattca acaccaggtc aatgaagaga ttaaggagge aggaatagat agatgacctt 185580

gctgataaga attagaaata tgatttgaat atttttggag aaaataattt atgtaaaaat 185640  
 tctctcaag tcathtagaa atatggttgc tgcatctcta agactccca cccactctt 185700  
 cccccacaaa cattgtgggt gttttccctt gcattccatc tgtaatatc agtacactaa 185760  
 gtgaaatag gatgtgggtg tggttatttt gtgtcaattt cagctgatt tccccacct 185820  
 tgtctgcatt cttgcattaa ttagcaaac aattttcaaa gccatgtttt atatgcctga 185880  
 tgcattttag cactctgctt gtttttggc aatgcgaatg tgggcagaat atgattcttg 185940

cacttgagaa actgatgcag tctggtagta gagaacaatt ttttaaggaaa tattcataat 186000

taatggggtt tccaattaat gctctataga gagaaggggt ctggaaatat gcatggagca 186060

aattctgttt aggggaactga gaaaaatfff atgcacaagg taattagga gtttaggtatt 186120

gaaggatgag taagagtttg acaagcagag gaataataga gaggccagca ggtattaaag 186180

agcatggatg aacatgctgt ggtaggatta tcatgtgaac aggggtgaat gggaggagat 186240

gaatctggat ttcatccttc aaaacatggt gagctctctg agggaagaag tatcctctgt 186300

ccctgtggca gtgccaggca cacagcatcc atccgtatca gcaccagaat gaacctcaac 186360

agcaaagggc thtagagcgt atgttctgag tctctaagca aagaataat atgattaaag 186420

gtggggatcc caggggagtg taaatgagaa cagcagtagg aagctgctc ataaggcag 186480

gatgtgacaa ggaccatggc agaaagaaag aaggagagag aaggggttct ggagacactt 186540

ggcaggtaaa tgtaatagaa tgtgataaat agaataaatg gaaaagtgat gtaaagggtg 186600

gacgggattg ccattgtctt gggcagtgcg gaccagagga tgatactgaa gtcattgtat 186660

tcacagtgtg tgcccagtat gcctagaaca atgtaacttt cagaatgtca tgtttgggg 186720

agtaccttcg tatgctgggg taagcactgc tgtggttgag agtggtctac ctgaagattt 186780

gctggtacac atagtattt tctcctgtgc ttgtctcca gggacattgg ctgctgtctt 186840

ctgacccacc ctgtgtggct ttggcgtctc ctgtgacctc ccagtatggg tcttggcctc 186900

atcctgcctc ttgtctttc tggccaccca cccacagctt gaatctcagg ctccaacagt 186960

tgctgaccc ccagattctg atgacagcct acctacttgt tcttcaggcc ctcaccagac 187020

tcactgccc gacacaccac acaggagaac atgaaagggg gaatgaatct ttcattcttt 187080

gatgaccaag ttggcattct ttacattcc agccaccaga ggaagggtga ttttaacaca 187140

attgccctca catcctcctt aacaggattt acataagttt attaacacat atgtttctac 187200

aaaatcaagt ttgagaacc atttttatc actgatctgg gacattttgg ggatatgaaa 187260

ttaactttag cacacacagc aagaagaaaa ccgaacaaca aattctaca acaccaaatt 187320

tgctgtgaaa ttacatttc agaattctc aagaaatagt gccagcagc aattcttact 187380

gttttcactt ttcccccg cttcacattt ttatgtttga cagtccaac atattttctc 187440

aacatttatt ctgaaaggaa tgtactttgt gaattcctta aatgcaggat gattctgatt 187500

ttattggcct aatagctcct cttatgcgt gggttagtat aacagaatgc atttgagacc 187560

tgctatacta ttttaatta agacatttca ttagcacat agtattttaa aatgaagaac 187620

attgtcttgg aaagcacaca ggctaactgc tattttcttg atgcaagaaa tatttaaatt 187680

ctctgtgctt cagtctatac aatcagtttt ccagggatgc tgtgtatata aaacgagga 187740  
 gtgtattaag agtatcagca tgtagtaggt ccttcaacag aagctggagg ttctggctca 187800  
 aggtctggct tgtgttcaat gaacacaaaa ccacataatt gcccttgccc tcatcctctc 187860  
 ttaatgcata aagaatttaa cctagtcagt caactggcac aatgtagtaa aaaagacaca 187920  
 cacacacaca cacacacaca cacacacaca cacacattg ttctaattgt agtcttttta 187980  
 taaatgacaa ttgagtagac atgcaacctt ggacagtgtg aggaccggaa ttagtaataa 188040  
 gtatttcagt acacagccta caaggcagag ttggggccag gttgcaagga aagggcagcg 188100

acagggtgat ggacacgctc tatctactat caaccaatct ctacacagaa ccaggttcat 188160  
 ttacatttgc tctttgtgac atcctgcaag aaggtagtac taactcaatt tatagatggg 188220  
 gtaacacaag gtctgagact ttaagtaact ttccaagatc acatgaccag taagacttga 188280  
 tactgtgatt tagtttgaaa tcttttatct ttccaatgtt ccatgctgct tcctagggac 188340  
 tagaaatgag cccatttgca gacactgaga aacatgtaag agtcttgata gcccttgccc 188400  
 ctgaaggaag ctgtctgcat taatatgtca ataggcagga ggacagattc agccatgggg 188460  
 tggtcagtgt aagtctctg gaagtttctt cccacatct ctaagaatct tctgcagcct 188520

ctgacattgt cccacagagc tctgcctgc atccagctca ggaagggtct gggttttacc 188580  
 aggtgggtca atggcactca actaccagga aggaatatta cacaatgggg ttgctggttc 188640  
 ctaactctaa cactacgttt gcacttacta gattttttta tgagcactct aggtgatct 188700  
 ggttaattgt tatctacccc ctacttctaa gaaaggattt agacaatttt tggagtataa 188760  
 taatagaaat aacagcaggt taagtgtaga caatgggaaa ataaaatgag tcaacacatc 188820  
 aaatgcataa ctcaaagact caccattgaa cacaatgaat ttggcagaga tgggttccgg 188880  
 ggtcgtgctg ctgagagttt tgggctaaag gtgatgccag atgaggctct gttctgaaga 188940

ctcttttttt attttttatt ttttttctg agacagagtc tcaactctgc gccaggctg 189000  
 gagtgcagtg gcgtgatctt ggctcactgc aacctctgcc tcccgggttt aagtgttct 189060  
 tctgcctcag ctttctgagt agctgagact acaggcatgc accaccacgc ccaactaatt 189120  
 tttgtatttt tagtagagac agggtttcat catatcggcc aggtgatct cgaactcctg 189180  
 atcttgtgat ccacccgccc cggcctccca aagtgtggg attacagtg tgagccaccg 189240  
 tgcccgccc tctcgagact ctttacttgc ttaggacatc cttgcaacag gtcacttttt 189300  
 gtttctgat acatggtcta gagattggga tttgcagaat tctgccagat tgttatttct 189360

aattggcttt atgggtggagg gtgtgttgag agactaacga ctaagaaagg cacaggacat 189420  
 tctgcaggta gtcataggtt gtattgttgt atcagtactc tgggggtgaa gcaaactgcc 189480  
 ctgctgtccc aaagaatagc actgtaggca taaaccaggg tcctatttat agggaggcag 189540

tctatgttag cacttaggga cacagattat aggttagagta agacagatta aatcatggct 189600  
 gtgccgctta ctagctgagt caccttgggc aagaggttta atgtcacat ctggaaaaca 189660  
 gagaggttcc tcacgttata ccttaatgta acattctata aaggatactt tagtgtgaaa 189720  
 acactgaaaa tgcctatfff aaacacagtg aatactagaa agtatagata catttccaga 189780

taccattat tcaaaaatff gattcatcca cactgcccag aaatggttaa atatcaatta 189840  
 acaagtatgt cattagtaat aaagaacaaa ccacaggctt tgtcaatcat tcttaactta 189900  
 aaaatacggg ctcttggcct gatgtaagaa taatgatgtt gaggcaaaaa gataaaggcg 189960  
 tcacctggag aaaggagtga attagacgat ttttggagta taataataga aataacagca 190020  
 gggttaaatgg agataatggg aaaatgaagt gagttggggt gggagtagaa gggaaggcag 190080  
 agtggtagtg gatgcatatc tacctcctcc gtcttccctc tggcatccag gaaggcgccg 190140  
 atagatgggtg atgaattgca ttttattctt tctgaagact gcttactttt gatatttttt 190200

tgaggcagaa aggaatgaat gtagctttta cctctttgta ctatgagtgt tcgtgacct 190260  
 gggataatat tttaaaagtg tattatacta atgtattttt gttctccata aattacgttg 190320  
 tctaaagggc aactcattta cccaagacat taatttcac agagatgctt agatcaggaa 190380  
 gatcagcact cacttttggg tttccagtag attttgttga gtctacattg gaagctaggg 190440  
 tgtgttgaaa gagaaaatgt ttatcttaat tccactcata cttcttagca taccaagagc 190500  
 caagacacag tattgagagg agaaaatata agtttaaagg gactgtccta ttatatagga 190560  
 aatggtagga gcccttccac catgggaagg aggaggccag ccagtgagg caagaatcag 190620

agagaacaac ttgggtgaaa atgcttatga ggtcactcag agggaccag ggactcttac 190680  
 ctggaggaag gtggggcaga tagattgagg aaagaagtaa aaggtaaagg attgaaggaa 190740  
 aagagggcac tgatgcccta ccacctgtgc ccttctcctc atttgaattc tggggggacc 190800  
 acctagttag aggcctgccg gccacatgc agctgtggct accgttgaat atagtatgtt 190860  
 tgcgaagggt aggcaggag acccagagct agtctccta gttcccatga cttgtgtgtg 190920  
 acatgtaaga ggcccatatc tcaaggtcag ggggcctgca atataggtga gaattaaaag 190980  
 tttgtgtcct ctataaacag tgtgcaatac aaacatattt atgtcgtaac ccagattcct 191040

tgaaggatg tctttccagg ttatcgtaag gattacttta gacactggat gtgtatgtgt 191100  
 aaggactact ttggatgcca tatgcatga gtttaataca ggggtgtgaa gacaacaaat 191160  
 agtcaataga tggcatctaa tgttactgtt actaatag agtggtcgtt aatttgaag 191220  
 tagcagttga tttgaaaagt accagtgtgg gccggcgca gtggctcata cctgtagtcc 191280  
 cagcactttg agaggctgag ctggatggat cacttgatcc gaggagttca cgaccagcct 191340  
 aggcaagatg acaaacctt gtctcttcaa aagatataaa aattagccag gcatggtggt 191400

gcacacctgt agtcccagct gcttaggaag ctgagttggg aggatggctt gaggctggag 191460

gttgaggttg tagtcatcca tgattgtgcc ctggaactcc agcctgggat gacagagtga 191520

gacctgcct caaaaaaaga aacaagaaaa gtatgagtgt gattactctg ggaacatcat 191580

ctagaaaagt ctgaaaaatc ttgtgttaag agcaattctg gtgtgggtgt ggttgcttat 191640

aggtgcaata aaggatgagg gtgtgaggca ggcatgtctt ggaataaaag tagtgaagtc 191700

ttcatcgga caccatgag ggtaaatgtg gcacatatt ctaaggcaga acaggtcagt 191760

gcaaactcat gggcacaggc caccctgagt tggcccaaac ttgccacatt atggcaagct 191820

gggagtcagt gggaccacat cttggaaaaa ggactgaggt ggatgaagag atagaactga 191880

tcctcttgca aaatgggttt gtggacaaa aaagcaagtc tgttggtata aaggtaaaat 191940

aatcttctct agatctgaga gtaacttgag gggagagacc tgtttatcca gactttagc 192000

cccaaaaagc tcccataatg actgatacat attaggcctt caattaatgt ttgaagaaaa 192060

gcttatagac aaggatttgt gcccaatttg atggagcagg gcagaagatg ctttgacaat 192120

ctcagatgtg ctgggggtta acatcatgcc aaatggggcc tatccagaag attttgactt 192180

taaaacaagg gccaggagac caaatcggga ctccagtgt gtgttaccgt gtcactctga 192240

taccagggat gtattacgtg aataagaaac tcaaagaatc ctgggatatt cccatcaaaa 192300

ttcaagggtg actttttttt ttttttttt tgagacgggtg tttttgtct tcttgcccag 192360

gtcggagtgc agtggcatga tctcagctta ctgcaacctc tgtctcctgg gttcaagcga 192420

ttcttctgcc tcatctccc aagtagctgg gattacaggt gcccgccatc acgctggct 192480

aattttttg tagttttagt agagacgggg tttcaccatg ttggccaggc tggctctgaa 192540

ctcctgatct caggtgatct gccacctca gcctccaaa gtgctgggat tacaggcatg 192600

agccactgtc aagagtatt ttttttttt ttttttttt tgagacggag tttcgtctt 192660

gttgtccagg ttgcagtga atggtgceat cttggctcac tgcaacctcc acctctggg 192720

ttcaagcgt tctcttgct cagcctccc gtagctgag attacaggca tgcaccacta 192780

ggcccagcta attttttgta tttttagtag agatgggggt tctccatggt ggtcaggctg 192840

gtctcgaact cccgacctca ggtgatccac ccgctcagc ctcccaaagt gctgggatta 192900

caggcgtgag cactgtcaa gggtgatttt ttgtttttt ttttttttt gggacggagt 192960

ttcactctcg ttgtccagt tggagtcaa tggtgccatc ttggctcact gcaacctcca 193020

cctcccgggt tcaagcatt ctcttgctc agcctcccgg gtagctgaga ttacaggcat 193080

gcaccactag gcccggctaa tttttgtat ttttagtaga gatgggggtt ctccatggtg 193140

gtcaggctgg tctcgaactc ccgacctcag gtgatccacc cacctcagcc tcccaaagtg 193200  
 ctgagattac aggcgtgagc caccgcgccc ggccaagggt gatitttaat gtatttcttg 193260  
 gtagatggcc cagtctctgt gaacagaaat tccagcatct gatcctctac tgctgataga 193320  
 tgtggccttg aaaagaactt agagatttta aagtctcact gagggataaa aaaagtcctt 193380  
 aagatgaaag attaatctat agactatgag ttccattgtt tgtttggttc acctcggtgc 193440  
 ctgggaaata gtaagtctc agtaagtatt aactgaattt aaatcatttt gtggagaatt 193500  
 ctgttgcatc tggtagtgc cggccattgt gtcagctgca gatgtatccc tttcaatagg 193560

gggctgagag tctagtagag aagacaggaa aaaagacagt gaccgtgtgg catggtacat 193620  
 gtcagtactg agtaataaac aggagatttt tatgagagca acagtccttc tccatatcag 193680  
 agaccatcaa atgggtggtc acagctggag gctacctgca catgtgtttt atttgctatt 193740  
 cccagggtag gccaacctgg aatttaagca tttttaaaag tctgtcatta gcatttaca 193800  
 ataagtattg ttttgtcaca agatctttgg ggtgttgctt caccagctgg aagcctctgt 193860  
 ggccagcagc gcctccgctt gggttttact tgcgtccact gggcttggtc tgcccacttg 193920  
 gcccggcagg ctgagctggg ctcatgctac tgcccagatc ccacgcctgc caaggcgag 193980

ccaggtgcgg agcagcaagg ggtgtgtgag tgagcgagca tggagtctgg cactgtgtg 194040  
 tagccatgag tgctggctgc agcagggtgg gccactccag gcgccggcac aagcgccggc 194100  
 tccagccctg tgtaacctg cagctggagc atgtgtacca caagcggtt ctgctgtggg 194160  
 cccagcgtc tggtaaggga gaatgcaatt gcgccccaaa gcttggagat gccaggaacc 194220  
 gcaacacccc aaagagggtg ttagagcatg tcacagccct ggcttgagga gcccaggtc 194280  
 agggctccca gaagggcctc agctcttctc tccttctcat cacctgcagt gtggtgagtc 194340  
 gggggtgtgt ttcatccctg tttgtgttat agccctttca gtcctgccat ttggcaggtc 194400

ctgagttctt ttctacatc caggaagaat gaggtgcgtg gacaactgga gggtagcaa 194460  
 ggtggagagg agcttactg agccacagaa cagctctcag aagactcgca gtgggcagct 194520  
 cctttccgta ggcaggtcgt ccagcgagta tgtgagtctg actgagtctg ggggttttta 194580  
 cgttctcaga atggaggaaa tgctgactgg tttatggttg gtctggaaaa aagcatcatc 194640  
 cgattagtca aaccgtcatc aatgaagtac tcactctggg cttcagactt tgcctggaac 194700  
 tggcagcctg gtaccagcgc ttacagctgt cctgccttg aagtggggc ttcactgggg 194760  
 acctgccact tctgcctgg gatgatgctt cctgctgcca tcaacatgat gtccacagt 194820

cccaggtgtt ttgccctgaa ggggtgcctgc aggctaagt cgagccaccc tcagccccct 194880  
 ggtctccctc tgggtctgat tggcacccaa agtcagagg ggactgagc agcagggggc 194940  
 tgggtgtgca gcaccacca cagagtgcac gtgccagct ggggtgggac attgcctggg 195000

ctcagccaca acitttgcctc gcactgcagc actggagtgg gcaccaggag cgggagagggc 195060  
caggcagcag gacgaggcac tttcaaacct gttggcgggt gaggaagggg cttcctgggc 195120  
tccaagagct cagggatacc ctagtccgga gctgtggctg ggtggctgca gcggcgccctg 195180  
gaagcctggg gctcctgtcc cactggctcg cgggaaaggg tagggggtgg gctcctgcct 195240

gttcttggcc cctgctgact ccacagagtg cacagccctg gcagcacctc ccccgtgta 195300  
gctggcatct tcacagcagc cgctccagat gggccactgc tgccatcagt tttcctgtgg 195360  
aaatctttta agtttaatca atggtttatg ttatcagtaa ggcttctggt caacaattgg 195420  
ctattagtag ttaagttttg ggggagtcaa aagttatatt cagatttttg gctgcatgag 195480  
ctgttggcat tcctaacccc tgtgtgttgc aaggttcaac tgtactggat tttcttgaaa 195540  
attcagaagt gctggaaacc ctgggcccgg atttctatgt gacagcaatt ttggggctga 195600  
gtggcttcat ttagatgggg catgtgtctc ccatattctg ctctccctt aacactgagg 195660

ttgatgatag tgacctcaac atcaatgagg tagtgctgtt tccatgtcat agaattaaga 195720  
ggaggttgaa gtatttccca ttctcacttc aagcaaaact ggaacaatgg aagatacact 195780  
tagggcacca tatttcaagc aagaaaggaa gagggcaaat ttcttgtac atataaaaca 195840  
tactcctagg tgtttaatgt acaaaccaat tgtgtctgtg caaagtgaca taatttaaaa 195900  
catccttcag aaataaacac atcaagaacc atgggctact caagtgaaaa taaaattact 195960  
aaaatttcaa cagggtttac atttgaatga aaataaatta caatgctgtt aaattcagta 196020  
agtgacaaaa attgggtatt gcagctttta ggagatagta agtgacataa aagggtttt 196080

ctagggtcag cagaaagtat gtatcatgaa tagtcataga aacacatcct ctcagtgtgt 196140  
gaaatgcttg agaaccactg cactccagcc tgggctacag agtgaaactc tgtctccaaa 196200  
aagaaaaaaa tggtttaaga gacaggacag tctatgagta aaaaaatgca gaggtcttga 196260  
actgtaacat gcaggtttgt tacttaggta tacacgtgcc atggtggttt gctgcaccca 196320  
tcaaccagtc atctacatta ggtatttttc ctaatactat cctccccta gccccacc 196380  
ccatgacagg cttgggtgtg tgatgttccc ctccctgtgt ccatgtatc tcattgttca 196440  
actcccactt atgagtgaga atatgtggtg ttgggttttc tgttctcatg ttagtttgc 196500

gagagtgatg gtttccagct tcatccatgt cctgcaaag gacatgaact catccttttt 196560  
atggctgcat agtgttccgt ggtgtacatg tgccacattt tctttatctg ttctatcatt 196620  
gatgggcatt tgcgttggtt ccaagtcttt gctattgtga acagtgtgc agtaaacata 196680  
catgtgcttg tgtctttata tagaatgatt tataatcctt tgggtatata ctcagtaatg 196740  
acattgctgg gtcatatggt atttctgggt ctagatcctt gaggaatcac cacactgtct 196800  
tacacaatgg ttgaactaat ttactccc accaacagtg taaaagcatt cttatttttc 196860

catattcttt gcaggatctg ttaattcctg tctttttaat gatcgccatt ctaactgggtg 196920

tgagatggca tctcattgtg gtttttgatt tgcatttctc taacgaccag tgatgatgag 196980

ctttttttca tatgtttgtt ggccacataa gtgtcttctt ttgagaagta tctgttcata 197040

ttcttcaccc gctttttgat gggattgttt gtttttttct tgtaaatitg ttttaagttcc 197100

ttgtagatgc tggatattag ccttttgtca gatggataga ttgcaaaatt ttttctccca 197160

ttctgtaggt tgctgtcga ctctgatggt agtttctttt gcttgtgcag aagctcttta 197220

gtttaattag atcccatitg tcaattttgt cttttgttgc cgttgctttg gtgtcatgga 197280

gtctttgccc atgcctatgt cctaaatggt attgcctagg ttttcttcta gggttttaat 197340

ggtttttggc ctiacattta agtctttaat ccatcttgag ttaatttttg tataagggtgt 197400

aaggaagggg tacagtttca gttttctgca tatggctagc cagttttccc aacactgttt 197460

attaatatag gaatccttcc tccgttgctt gtttttgtca ggtttgtcaa agattttatg 197520

gtttagatg tggtgtgta tttctgaggc ctctgccctc ttccattggt ctatatatct 197580

gctttggtac aagttaccatg ctggtttggt tactgtaggc ttgtagtata gtttgaagtc 197640

aggtagtgtg atgcctccag ctttgttctt ttgtcttagt attgtcttgg ctatatgggc 197700

tcttttttgg ttccatatga aatttaaagt agtttttctt aattctgtga agaaagtaaa 197760

tggttaacttg atgggatag cattgaatct ataaattact ttgggcagtg tggccatttt 197820

catgatattg attcttccca tccatgagca tggaaatgtt ttccatttgt ttgtgtcctc 197880

tcttatttcc ttaagcagtg gtttgtaatg agtatgtgat actctgtgat atagaagttc 197940

cataattaat ttaatttttt tgtttgtttt ctttttttga gatagagtct cactccgtca 198000

cctgagtttg agtgcagtgg cacgatcttg ggtcactgta gcttccacct cctgatttca 198060

agtgattctc atgcctcagc ctccctagta gctggactac aggcggtgtc caccattccc 198120

gcctaatttt ttagatttta gtagagatgg gttttgccat gtttgccagt ctggtctcaa 198180

actcctggct tcaagtggc acctgccttg gcctccaaa gtgctgggat tacaagcatg 198240

agccactgca cctgactaat ttaactgttt tcttattgat ggaccttcac ttcatttcta 198300

ttcctttgac attacgtgct tatgtgttga atatatatat atgtgtgtgt gtgtgtgtgt 198360

gtttatttct ctagaataga caaccaggaa tgggatttct aggccaaaag atatgcatat 198420

ttttagtttt agtagatgtt ttctgtttgc ttttccaaa agtctacata cagtaattta 198480

catttcaagt ggcaaaatat gcaagcatga ttcctttcat atattcacta gcaataaatg 198540

ttaactttta aaaaataaat gttgccagta tgatcattat aactgttatc tcaactgttac 198600

ttaaattata atttttctcaa tacttaatgg attttatatt tatataacca ccatttggat 198660  
 tcagcttctt gtgacttgct atttatattc ttttcttatt tttctattca gttgattttt 198720  
 ttgcttgtea gtttgtaaaa tctttttgca ttgtataggt attacctctt tgtcatttac 198780  
 atggaaaata tttttccag tctatcatt tacatatga agtatattta tgacaaacaa 198840  
 aaattttgta agttttgaca tagtttaaaa tgtctattat tttttttata gtttctgggt 198900  
 ttctggcctc agtttagcagg ttatacccat tcgtaaattg tatgggcatt ctccatagatt 198960  
 ttcttttagg gtttttttta ttgtagtagt agtgagaatg gggaggagaa ggactatagt 199020

gagtgcгааг gaatctaaag gactccagga caggaaactac ctggatgaaa gaatggagtг 199080  
 cagtctctcc caaagtсagc ttggttttgc tctttctctt tcaggгcaaa atcaaacaac 199140  
 aactcattcc ctaccaatg gttctataca tgatctgccg attaaaagtc ccaaggacag 199200  
 ttcaaacagt agtcatgatt tgcagttgag cctatttggt agattcttcc catctctac 199260  
 atgtagtttc tgatctctct tcagaacaca ctgcctaат catggtttat ctgtttccct 199320  
 tataaccgaa gcctgttgтg ccttctcaga ccttgtctat atctggaaac tttcaacact 199380  
 cttttagctt ttgtttctaa aacttttctg tctctcaatt tactgtttca ctaatcctaa 199440

ctaaacactc agagacctaa ccaatctttg caccцcaggc ttcttcattc agttcagcca 199500  
 atctcaggg ggtactaacc cttggтcaaa gggтcatatg gtagaacaca agcttttgat 199560  
 cagtttttgг gaagaaagtг tgagtтctca ggcгtcataa aacttcattc attttaaaaa 199620  
 atgtttccat aagtaacaag ggacattagc actgggaatg ttaatggтgg agtggaacca 199680  
 aggcaatcat ttatcaatat gagaacttta aaattgagtc tttcagagca ctcttttctc 199740  
 tatgagtttt ttcttacta ttatgaacгt gattttctaa aagactattt ccattttctt 199800  
 cttggтacta tgtaaagtat taatгtctta aaagtгgctc taaatcctta ccttagaatt 199860

aaaaaataat tcaattatca aagatgactt tgaaaatctc cagaccaaat tttgtttata 199920  
 tgtatatata aagctttcca ttcagggttt ttcaaaaagg tctagtctta agctttgttt 199980  
 tgaggagcca ggccaatata cactgatttc atatatagca catttgttгg cttaactaatt 200040  
 aatttaccta tcccatggca tttgaaactt тgccctggag aatgttagc tttgtttga 200100  
 tacataaatc gtaactcатc ctgcaaccta ctcttaaag ttgcccatct gacaagtaag 200160  
 caccatcaca cгtcatgctt gcaattttgt atgttctgt aactgtttgt tgtaagctca 200220  
 tgttttaact gtagggtttt ttggttttga tttttgctct gttttatttt tgtttгcccc 200280

atagtttggt agtacacatg gcaagtctct atagatgtga aatctгtcat tgcaactgag 200340  
 tttcagctgg cctggggгgt gtcttagaac тgcatccctt ctcaagatcc tttaatgcaa 200400  
 tttttcatgt atatactaga gtcttaattt gaatacattg aatctcaaac tcatcctttg 200460

catatttttaa gaatatgtac agcagttttc atttgacatg gtaattagaa aagtgcacaaa 200520  
aattttgttt tgatgtaaaa attttattca tttatcaatt ataccctttt gccacaatta 200580  
caaatataaaa ttaaggtaga atccgatatt agtacacata aagcaaggca aaaagacacc 200640  
tacaataaca actttaaaaa gcagatgagc ataagtgttt tagggatcgg tatatatggt 200700

gactagatac tcagattaga taaattccta gaaaccaagg caaaaaaaaa aatgttgtat 200760  
tatgtaactt tcagtatgaa aggatgtata tgcatttgtg gaaaggggtg aaccttctct 200820  
tggcattggc tttcaggtag aatttattat gtggtttctt atatgcagga catttgataa 200880  
tttaacagat ggagacattt taaagtataa ttatgtaaat aattagaaac tttttcaaat 200940  
ttgttaaagt ctctatttta aaaatataag tgggtggtgt ggtggtagta gggactgggg 201000  
gaacgggagt gggaacatt aactttattc agagaaaaca ttgctgtaga aatctaagaa 201060  
aatataggac attcatggca tttcctgaag ataatttttg ttctatgaga tgctaggtcc 201120

atgagaagcc ccattgacaa gcatctgaca tgtttgagaa attttgcaga ttctagaata 201180  
cacaggagcc ttatgttaaa tgagaagctc tgaacaacaaa gaaacttgac tctttttgtt 201240  
caatttactg ttttccaaac tcgtggataa aacattttca aagaatatta tttatttctg 201300  
ttaagatcct gtggtgatag atttctctct aagaaccttt ccagcttgaa gagtgcctaa 201360  
atatttctga gaaacaatca ctgattggtg caaatatagg atgcgaatcc aaaatatgaa 201420  
cactcatggc tgacttttct gaagagttcc tgaatgtcat agcattgact aaaatataaa 201480  
acatatgttt tagtaactgg acccatcagc tatttaactg ataactctct gagaaaattc 201540

aggtttcatt tgtgttcttt tccagaaaga aggtcattct acagctcaac aaggagagat 201600  
cacaggggta cctttaagaa agacagcttt tcgaagtaat agcagactct tcaagcattt 201660  
gggcatgaca atacaacact gatctaggct ggaaatatgg ctttctttt tgctggttgt 201720  
agagatttga gcatgttact ttactcgtct gaattttttt gcctgtagt taaaatggag 201780  
ataatacgat gtgtctctga caggattgtc atgataattc agtgtggtta gactgatcta 201840  
aaagtgttta ccttggggat gaaaaggtag tgggagttac agactgttag gtcaatttca 201900  
ttttttatta ggttaaaaaat cctgagattt tcgcaataaa atatgaataa aatgattata 201960

gltcgaaaaa atatagggat acttatggat tattggttct tttattgcat tttaatagta 202020  
ttttatcaaa agttcatact ctatggattt aaagaaatcc ctagtagaat ccacgtggc 202080  
ttctttgcag aaattgacaa gcagatccctg aaattcatat ggcaattcaa gggaccaga 202140  
ataacaaaa caatcttgaa aaagaatgac aacgttggat gattcacact tcccaacttc 202200  
aaaatttact gcaaagctgt aataattaag gctgtttgat tctagcataa agatagacat 202260  
atagttcaat gaaatagaat tgtgagtcta gaaataagcc catgcaccta tgtccagctg 202320

atgttcaact acagtgccaa ggtcaatggc aaagaatcag cagtcttttc aacaaatggt 202380

gtttggtgtt tggacagctg ggcatataca tgtaaaataa taaatatgta ctactactt 202440

cacatcatat gaagaaatta actcaaacg aatcaaagac ctaaatgtaa gagctaatat 202500

tattatactc ttagaaaaa tatgaggcaa aatttttatg accttagctt aggcaatggt 202560

ttcttataag attcccaaaa cacaagcaac aacagaaaca taaattgtac ttgatcaaaa 202620

tttaaaactt taatgcatcc gaggacgcta ttaaaaagtg aaaagacatc tcacagattg 202680

ggaagaatta ttgcaaatc gtacatctga taaggatcta atatccgaa tatatgaaga 202740

actcctatga ctaaaaata agaagacaaa taaccaatt aaaaatgggc aaaggatccg 202800

aatagatatt tctccaaaga agatagaaga gttgccagta agcacatgaa aagatacttg 202860

gcatcattag ccatcaggga aataaatcaa aaccacattg aaatacaact tcacaaccac 202920

taaaatggtt gtaataaaaa agacagataa aaacaaggat gtggagaatc attttacatt 202980

cctgtggag agtaaatga tgcattccct ttgcaagaca gtttgatgtc tcaaaagttt 203040

aaacatacag ttgatgtct caaaagtta aacatagagt taccatttga gctagcaatt 203100

ccactctgag atatatacta aagagaaatg gaaatatatc tctacacaaa aacctgtaac 203160

aatgttcatt gcagtattaa ccactatggc cccaaagggg aaacaaccta attgttcac 203220

aacagatgaa tggaaaaaca aaatgtagca tatccataca atggagtatt attcagccat 203280

atgaagaat gaagtactga tacatgctac aatgtggatg aacctgaaa acatgttaag 203340

tgaagaagc cagtcaaaag cacatagcat acgattcagt caataagaaa tgcccagagt 203400

atgcaaatct atagagacag aaaatagacg agtagatgcc tagcaccagg tgtttgggag 203460

ggggtggtct ggagtactg ctaattggata tgggatttcc tctgggggtg ttgagaatat 203520

tctaaaattg attgtgttgg tggttgcata actctgaata tactataacc cattgaattg 203580

tacactttca ataggtgaac tttatggtat gtgagtttta tctcaagttt tttttaaaag 203640

cttatgctta tctttgatac agtaggctac atagtatcaa aaggacacg aggaacagca 203700

tctcataaca tcacacgtag tcaagagacc agtgttattt ctacacatag ttttgccaaa 203760

tacttagttt gagactgagc aggtcacttc tcttttcttc aacagatacg ttgaacaaa 203820

tgctctcaag gtcttttcta agaatcctta ctgctaactt tgtagcttaa agtgtgctgg 203880

atgtgtttcc atcttccgcc ttgatttccc cagtggatca ctgtagtgag ctagagatag 203940

agacagacat tgcctcagca gaatgtgttt tgcttgccct gcgatatgct ttgtcatccc 204000

tggcactcag atggttttat gtaacaaatg tgctgtattt ttcattacat aaaaatagac 204060

cttgtatcat tgtgccctgg gagaaaaccc tgcctgccc ccaagtttta ctgctgattt 204120  
gcatcaagct ctcaagatgt tctgctctct acttctggtc taattgtctc ctttaacatc 204180  
tgccttttgg aactagagga agggtcacaa gtttccctcc tectggccct tgggaaggctg 204240  
cctccctctg gaagtccag tccaagacat ttcattgattc atcttctggt cttttatccc 204300  
acacagaaaa gggctgcttt gctctagact gtcattccat ttgctcatat ccatttcctg 204360  
ccaaagtaac tatttccccc aaagaaaata aaagatgttc tgagtgttc attaatctt 204420  
gcatgtggaa tgaatgagaa attgatgtga agagctcagc agtaatgagg tgatgatcaa 204480

aatgggatgg gatgacccaa aagcaatccc ttgcaatgaa caattaatta ttaaaaattg 204540  
gagctcaagt acattatgtt accaaatcaa tcagcctgaa cttacagtct cattaaaatt 204600  
aggagattta aagccaattt atttaaaact gattgatatt ttccatttaa aacatatatg 204660  
agtttcttgt gttgcagaga attaagattt gaatagtcac atcttttaca agttataaat 204720  
atatggctat tagtagatcc tttatggaaa atttgcacat atgcatggct gtatcttccc 204780  
ttttcatttc cagaaagcat aaactagctc gcttatgttc aagctgagt ctattagtag 204840  
cagggatata tgagcataga gtgggttttt tcccccaag ataactttt ctttctctcc 204900

cctgctcctg ctgtccccgc tgtattacaa aggtacaaac atatttatga ggaaaatttg 204960  
tctttcctca aaggtttgaa ggtcagagtc cctgaaatga ataaataatg actaaatagt 205020  
tatttcacat ttggctgata aacagaacga tttccttca gaagaaagga agaaaaatta 205080  
ttatacaggc atttgagaaa gacatatatg gttcaacaga gagcttgtag ctgaaaaata 205140  
tctggaatca gatattctct tggccttact ctttcttgt cttctcccta cctcaaccc 205200  
cttggctggg ttctcttttg atttagtacc catgtgaaaa gcccttcct tctttatgtt 205260  
ccttttaac cacacagaat accaaaagta gttgtcagaa cagagattgt ctggtagcaa 205320

aaaccacggt ttatatgcaa atagctgcca taagaacgcc ttctgtacat gaaaaccgta 205380  
cagaagccaa tattcatggc ttctggaaat tgcctttatt ttttcttgaa ctggatggag 205440  
tcttgcctct ctacaaaaag ccaacgtcaa aaacgttct atcctacaat cataaggag 205500  
tgagtttgag aatgtgttac acacacacac acacacacac ggcttatttt cagttatgct 205560  
ttatgtgttc agaacaatag tatttaataa tggacaggat ttggaataat gtagatgtct 205620  
tggggaccac ttccaaaggt ttccagcaca gagatgttgg aaagccttca ctaaaaaatg 205680  
caatctccat aaaggcagag atttttgtct gttttggtga cagcgggtgt ttctgtgccg 205740

agagaggtgc ttgacacata gcaggcactc aataaatatt tgttaaatga aaagggcagg 205800  
ttaaggcatg ggtccagaga gaaaatccta agacatttat tttcaagtat ctggcaatg 205860  
agttgcaact ggttcccttt aatgcaaac tcttgctttt aggaagcgac tttttgaaca 205920

agtaaacaga ttictactaa aacttaggaa acttttcacc aaatctacgt cctatttcaa 205980  
gttttaaac tcaagtgttt tatttgttta ttttagagt aattgtaaga aaaaaggaag 206040  
acaatactgt taaaatacca atcttctga aatttattha taggttctac acatcccagt 206100  
aaaacctttt gtagaaattt acaagctgat tctaacattt atataaaagt caaaggacct 206160

ataatagcta gaacaatttt tttaaaaaga acgatgttga aggatttaca ctgccttatg 206220  
tcaagactta ttataaagct atagaaatga agacagtata gtatttgcatt aaggatagac 206280  
agatttacag aacagaatag aaagcccaga aatagacca aacttatatg gtcaagtatg 206340  
tttgacaag gtgttatgcc aaagtgactt attgaggaaa ggaaattttt ttcaatcagt 206400  
gatgcaggaa taactggata tccccatgaa aaggaaaaga cgtctgatct ctacttcaca 206460  
atatatacaa aaataaattt gaggtggacc atagacataa atctataagc taaatctata 206520  
aattttctaa aagaaaacaa aaaataatta tcattgaagg cttggagtac ataaaaattc 206580

ttagaacaca gaaagcaca ccataaaaga aaaaaaagt tgaatttcat taaaactaaa 206640  
aactttactc tgtaaaagac atgattaaga gaatggcaag acaagccaca gaatgggaga 206700  
acataattgc agatcacata ttttgaccaa aaaacttcta tccagaacat atgaagaatt 206760  
ttttttttt tttttgagat ggagtcctgc tgtgtcacc aggctggagt gcagtgcgcg 206820  
atctcggtc actgcaagct ctgcctctg ggttcacacc attctctgc ctcagcctcc 206880  
cgagtagctg ggactacagg tgccctccac catgcctggc taattttttg tatttttagt 206940  
agagatgggg ttccaccatg ttggccagaa tggctctgat ctctgacct cttgatctgc 207000

ctgccttggc ctcccaaagt gctgggatta cagatgtgag ccaccgtgcc cggccccact 207060  
gggaatttta aatggtgaac agtacacctt gaaattctgt ttggtgattt cttatcaggt 207120  
ttaatctaca tatatccata ctatgatcta gatattttcc caagagaaat aaaaacttat 207180  
gtccacaag aaacctgtac aaaaatgtta atagcagcac gttcataata gccccaaact 207240  
gaaaacaacc aaaataccca ttgacaggag aatggataaa caaattgtga gatactcatt 207300  
taatgaatac tgcttagaaa gaaaaaggaa taaactactg atataaaaa tgatataggt 207360  
gagtcacaa aacaatatgc taactgatga tatataaat gatatagggt agtctcagaa 207420

acaatatgct aactgatata taaaatgata taggtgagtc tcagaaaca catgctaact 207480  
gaaagaagtc ggtcaaaaa gaacacatgg ttgatthta tttttgtgaa actctagaac 207540  
agaaaaacca cactgtgaag aaagaagaa gaacagtatt tacttaaga tagtgaatac 207600  
tgctggaagg tgcaggaagg cactttctag agtggtagaa atgccttcta gcttgcatgg 207660  
gttacacagg tgatgcatt tgttaaaacc acgttaaact gtatccttha gaactctaca 207720  
tttactgta tglaaattat acctcaaatc caatataaaa catcatttha aaaataccca 207780

cactttttgt cctagaaggt ggattctctt ttcacgtgca agaagatgat gaatatatga 207840

atcatcataa tttattacaa aataatttgt gggagccata acattataat tatcaaaaga 207900

tattaaatgg gagataaagg tataatgaaa aataacttgt catccgatca gccttaagac 207960

catgttgaca gttttacggt ttaatcctaa attgagtatg aaagtcaagt ttctaagat 208020

aagatatgga agaaaaatct agtgttccag tagctaaatg actctttgtg gaaatgcaca 208080

tactttctgt ggtttgtgca tagcctccta acgtgctgat attttcttc acagagcaag 208140

ggagtactag tgaggcctga gaaagactac agccaatggg agaatgtctt tctttaccaa 208200

aatcatacta taaaatttat ttttacaata agaatgtgag aagtaaagtc cttcagcaaa 208260

agccaatgtc tattagctgt aagatggcag ctaaaatggg gtggcttttt ctccctccc 208320

tatttagtat gctttcttgt gcattgaaat cactcact ttttagtaa gtgctgttta 208380

tattcagtgc tgtgatattg gctacttctg ggaggaatat gaaatcctct atttaataaa 208440

tgtgctaagt tagaactttg agtcagggtt gattcccaa gagcagacct tagagttaag 208500

gcttcatatg cctgtgctta ttcaggaagt gctcacagga aaaccagat acctgcaaga 208560

cagtggggca gggggaggca ggcaggacaa gggagcccag caagggtgtg gtctcagcca 208620

atgtccagag agagaggaac ttcagcctgt cccttcggg aaactctgca gtgtcagtta 208680

cacagagtca ttccaggcca ccagcctggc agcagggtgc ttgcataccc ctgctcctgt 208740

ctgtcactcc agggtaactc acccacttga gcagagcagc tccagtcgcc tagggagcag 208800

ccctctgaga atgagtagaa gacgtctgtt attggaagca aaaacatgtt ggagtcaggg 208860

ggtgtttaaa aaatggtaaa gatatgaagc accaacttta tacgtaagaa gcactttaca 208920

agctctagaa cattacaaa tgttttgcta ccctttgtc taccgtatt ttgattcatg 208980

atatatttgg atttgttta tcttgtatgt ttgcattct atttctatt tcccctacct 209040

ttatagtct cattaaactg gttgagtttt cctcattctt tcttctctt tetactagtt 209100

ctagagtgtg gacttctgtt ctgttcttc agtagttgcc ccttgattct ttttaaatt 209160

tttattttc cagttaagaa tcacgtttcc caaattttac tgattcaaac aaggttattg 209220

cttgctcagg gttgccctt gatttttaac acgcacacct gactgacagg ataccaaggt 209280

atcaatgcct caactgctct attgagaaca ttaggtgtt gtactctgat cacccttta 209340

tagcttctaa gtcacttttg tccaacaatc tgtggtctg cattttttat ccaacaacta 209400

gtagttttat aatttgcttt ttttiacatt ctttgcttat ttagatttac caacatgttt 209460

acacgtgtct ttactacca ctgctccttg caactggctc cgtctttctg ggttcaattt 209520

tcatgttact gaagtacaac ctttggtagc ctgtctttca cttctttgaa caaatattga 209580  
 ttgtagtggg gaagaagaca gaaaaagttc cgctttcatg ggactttcaa tgagaagagt 209640  
 ttgtgggagg taaactctgt ccacagtgtc ttcattgcat cctcatgctt gaacggtagt 209700  
 tcatggatc ccatctggat tgaccatac ttcctcacc atgtggaaga tacagtcag 209760  
 caccaataa caatgttttg gtcagtgtg gattgtgtag acagcaatgg tcccttcaga 209820  
 ttatatTTTT actatatTTT ttcctgttt aggtatgttt agatacaca atatttccca 209880  
 ttgtgttaca atigccctaca gtacagtaac atgctataga gggtttgttg ctgggagtaa 209940

taggctatac catgtaacct aggtatgtag taggctatac catctagggt tgtgtaagt 210000  
 catgctatga tgtttgaca gtgataaaat tgcctacaga cacatttctt agaatatatc 210060  
 tccatcctta agtgccacat gatacatgac tgtattatgt ctctagatgg gtcctgtgg 210120  
 ggaatcaggt gggtgtttt ttttgagac agagttttgc tctgtttgcc caggctggag 210180  
 tgcaatggca tgatctcagc tcaccgcaac ctccacctcc tgggtacaag agattctcct 210240  
 gcctcagcct cccaagtagc tgggattaca gccatgcacc accatgtctg gctaattttt 210300  
 gtatttttag tagaaacggg gtttcttcat gttggtcagg ctggctctta actcctgacc 210360

tcacgtgac caccgcttg gcctatcaaa gtgctgggat tacaggcatg agccaccacg 210420  
 cccagccct tctgtctac tctgatctcc tggagctcct attagacaaa tgcctgtttt 210480  
 tgcttgata aatgccaata catcttatag cccagggaca aagtcagccc atgccttcaa 210540  
 agaaacatga gtctcaaac aaaaacctta ttcgagctgc acaataaaat agtgagcggg 210600  
 agctgcagac attctagctc agcccacctg atgccttga tctctcatg tagtttcct 210660  
 ctggctctca cagtctgtc cttccagga gtagctgaat tttgacaag cccagcttc 210720  
 tatttctggt ttggacagg tttatattc gaacttggga catttaagt ttttgggttt 210780

attcctgta gctagctctg ctctgcatg aggtgcagta gctccgtga agcgttcac 210840  
 ctctgggac tctcagagct gccataggct ctgctgttg ggtgaggag acctctctgg 210900  
 ctctctgtc tgcacatgga gccaccaagg ccaaatgact ctggctatTT ttaaagact 210960  
 acaatggtag gtacctgtca ttatacattt gccc aaactc atagaacgta caacatcaag 211020  
 agtgagccct aatgtgaatg atgggtctg ggtgataatg atgtgtcaaa ccaggttcat 211080  
 cacacataac aaatgtacca ctttggtggc aaatgttcac aatggggagt ctgtgcatgt 211140  
 gtgggtgggg gccgggggta tatgagaact atctgaacct tctgcttaac ttttctgtga 211200

acctgaaact actctaaaa ataaagtcta ttaaaagaaa gattatacac acacattgca 211260  
 catacacaca gacaacaca atttttttt gaaagggaa taggaatata cagttttcct 211320  
 taggttttaa gaatcactca tgcttttgct gtgtgtgtat atatgtttgt gtgtttgtgt 211380

aatgtgtata catatgcaat gtgtgtgtat aaagtatatg taagtactgt atataattgc 211440  
 acacacattt ctctctatat atctctaata tatatatgtg tgtgtgtata tatatatgtg 211500  
 tgtgtgtgtg tgtgtgtgta tatatatata tatatatatt ttacttctgt ggtcaaattc 211560  
 caagaaaagc tcttcattgg gtgattaggt gaccatatgt ttcaaattgga aataagaaac 211620

tggtaatcaa ttaagtcaa actaccattc caaagccaga gaaataaggg gaaaatggca 211680  
 aataatgata aaggcatctt tccctagtgt agtttttctg gaaggatcgc agattaaaac 211740  
 aaacaaaagc aaagcaggca gagagtcccc tcttctcccc ccatcccatt gggcattgctg 211800  
 tgtagattag gaagagctgc tagaaatcat ctcgagaaac attccaaata ctgagactt 211860  
 gtcagggtc tcttcagaa ggggagcaaa agccctcata ataagctgct gactggacct 211920  
 ttatggctgg gaaacactgt aaccctgtaa ttggctcgt gaaggccaca ttcttctttg 211980  
 gagtacaagc cactggtcaa ttattgcggt tggtagactt tccttttggg catgagtcag 212040

ggccaatttt acatgaaaga agggttttcc tcttggcacc gactcactat aattacggaa 212100  
 tcgtatcgtg gcattgctgg aaatgggtatt ctccaggagc tcccagggtg gctgtgggtg 212160  
 taccatggg gcaccatgtg ctggaacat tttccacagc tgcgcccagc atctctgat 212220  
 cgtggcgttc ttgaacttt tctctctta taagatttag gattctaggg tcataaatca 212280  
 ccttttacta aacgcttggc tgtgattatt tactcactct tggaatcaaa gactactctg 212340  
 gactaagtta tctttgtctc ttcttccctc ttacaaaag cctcccttcc cctccatctc 212400  
 ccttctcta ctttcttccc tcccttctcc ctctctttt cctgtaatta ttggtaacct 212460

gttatatgaa gacgctctac aaagctacat gacactcatg ctgtacattt agggcagttt 212520  
 ttacacctgc ttcatggga gtttcatgac tacttgggga aaaagggaag aatatcatct 212580  
 ccagaggggc agtgttactc tcagagagaa gatgggtttg ggaggcgtgt ggaggctcca 212640  
 cacgtactat atatatatga cctggacaaa tgagtcacc tgccttaagcc tcagttgcca 212700  
 catttataaa ttagcaataa taacattact ctcatagggt tccttgaaaa attggaagag 212760  
 atacttcaaa taaagtgtct tgcgtattgc ttaacacata caaggacgta gtgcattttt 212820  
 atgtttgttt tattattagt ctgcattggg atttaatgaa actgagcctc agagagggga 212880

agtgacttgc caaaggacac aaaggtaca agaagcagag ccagcactga cgctgtggac 212940  
 ttgggactcc ggccaccatc cactgctct tgaatgtaga tcgagatgct gccctctcac 213000  
 acaagggggg agtgggtggg acagacactg ctgttccctg tacatccttt cttcaaaac 213060  
 cctccatgaa gttagcctct tccttgtatg tgacgagttg aaagggaatc catggctggg 213120  
 tgtagtggct cagcctgta atcctaccac ttggggaggc cgaggcgggc ggatcacgag 213180  
 gtcaggagat caagaccatt ctggctaaca cgtgaaatc ccatctctac taaaaaac 213240

aaaaaaata ttagccaggc gtagtggcgg gcatctgtag tcccagctac ttgggaggcc 213300  
  
 gaggcaagag aattgcttga acccgggagg tggagcttgc agtgagccga gattccacca 213360  
 ctgcactcca gcctgggaga cagagcgact cgtctctac agaaaaaga aaaaggtaat 213420  
 ccgttctctt gttttgtgtc tgggttttgg tgacttactg tacacgaaac ctttttcagt 213480  
 ctttgggtaa aatgctgctg agtgtagtga ttctggaatg atgagagaac ccacggcagg 213540  
 tactgtggca gataggagct gacacctgca actcggaatt gccatgctca aggaggtgcg 213600  
 ccaggacacc aatctgtttg aacaagtga taatgaaacg atgctgattt atttatatgc 213660  
 cttactgctg cctcttctc agttgtttga ggtgtatcaa agatttttac tcaagatttt 213720  
  
 acctaaatac caacaaagta catggcaact gactatacat cttttctctc ctgaacagaa 213780  
 gtcagataaa cattaataac aaaagtatt tattgcaggc tttctgcttg gatgataaca 213840  
 aatagaaagt aacttaaaag cagagctaga aactttatat tgcattggtt gaaattgctg 213900  
 ctttgaaata ctgtatttgg agaggcatct gtagtcccc agcagtaatg ctaccactg 213960  
 tgtgccagca ccatttctac ctgtggtgtg tctactttag atgttgtggg aggtaagaaa 214020  
 gtgtcttctg tatttgaata tgctagaatt acccactgct tgaactaagt ttgatctgtt 214080  
 tgcaatcaaa aagaaaaatc tccaggcaca ttatttttagc acaaaaaacg ttgacaaact 214140  
  
 gctttggaga ttgtctcttt tgtacctggc tgtaatttga aagctctccc gattatagtc 214200  
 cctgagttag gtcacagag ttttatctta ttctacctat ccttctctc ccctacccc 214260  
 tgacacactc tctggcaact tcttttgact tcaagaggta atggctctca acctttctgt 214320  
 aaaagcaata ttgagagcag gaacaccatg ctgtttcaaa aggcattttt ttcattgatga 214380  
 cttagaaagg tgiagaaaa aaaataacct ggtggtacat ttgagatttg gaatgaatcc 214440  
 cttctatttt tgtttactct ggaagagaca cttagggttt ctgttttagt aaaagataaa 214500  
 gaactgaaag tcatgtaaag cctaattgat cctcacaatc atactggcgg tgggtattaa 214560  
  
 gttgttcaat tgggacattt tgagccacat taaagtttgt tctgtacca aataatataa 214620  
 gtagagaaac tgaggatgtt tctggaatt cttagtcact agatcatata aaaactacca 214680  
 aaatgcagtt acaggaaggc atatttacct gttcaatcat tccctacaca tttccttgag 214740  
 taatttgaaa aataaggica attaaattgg actataaaaa tcagagtcaa gaaagcagaa 214800  
 aaaagtcata cgttagtgtg aatatggtca ttatcacata gaaaattttc ttttaagcttc 214860  
 ttgatagctg agtgtgtag ggcattgccc ctttttatag ataggaaaa tgattcacag 214920  
 aagaggaaat aaaattccag tatttattac tttctaagtg gcagggtatt ttcttttctt 214980

tcttttttct tttttctttt tttttgagct ggagtccttg tctgtctccc aggcctggagt 215040  
gcagtggcac gaactcagct cactgaaacc tccacctccc gggtttgagc aattctctta 215100  
cctcagcctc ccgagtagct gggattaccg atgcgtgcca ctacaccag ctaatttttg 215160  
tatttttagt agagatgggg ttccacatg ttggccaggc ttatctcgaa ctctgacct 215220  
caggtgatta gtaagtggca gcatattgaa gcaaactctac aagtgtttc agagagcaag 215280  
cttatgacca ctactataaa tgtgtctatgt cctcaggcaa agcttttctt gtcactaaat 215340  
actagagtat tctagtattc tcaattgtcc ctacaatcaa ttctcacttg tccctacagt 215400

caacttgaa tttaatcaca agctgaactg gctcttaaca aactatttt aaaatgtgtc 215460  
tgtgttttgt tcacctatgt aacaaacctg cacattttac acatgtactc cagaactta 215520  
aagttgatga aaaaaagtg ctttgtttat gtactcgtgt atgtgtgtgt ctctctgtgt 215580  
gtgtgtgtgt gtatatatat atacacacat atatatatgt gtatgtatat ttataagtt 215640  
gcaaaccaga aaatagtacc ccaattcctt aaacagtgga ctgatgagta gagccaatgt 215700  
ttagtttcag tgcaaaagcc tgcaggctca aaacctaca aaactcgatg tctcagtc 215760  
agtctgaggc tggaaaagac caatgtccca gttcaaagca gtcaggcagg aggagtccc 215820

tcttagcctc ttgtttctt tctggtgttc aattgtttac atgaggctgg tccattcaca 215880  
ttagggaggg ccatctgctt tactcagtct atgaattcaa acatcaatct catctccaga 215940  
cactctcact gacataccca gaatgagggt tgacaaagtg tctaggcagc agacaagttg 216000  
aaacatgaaa ttaactatca caaatttatg gactgaaggt ttgtcccca cccacatt 216060  
tgtatgtga aatcttaacc tcaatgtgat ggtatttga gatggcctt tggaaagtaa 216120  
ttaggtttag aggacgtcat aagggtgggc cttcaagatg ggattagtcc ccctagaaga 216180  
agaaacacca gagagctagc tctctctctc tctctgcttt ttgaaaacat ggtgaaaatg 216240

tagctgtctg caagccagga aaagagctcc gaccagaact caacaatgcc agcatgtgga 216300  
tcttggaact ccagcttcca gaattacgag aaaataaatt tctgttgctg gagccacca 216360  
gtctatggta tttgtttata gtagcttgag ctgacaagac tatctatata tataaaacct 216420  
gataatgtga aataaacaag caggttactt ttttattttt ttttccagg ttggaaggaa 216480  
tctcaataag tagctgttca gggctcaaga aagacaacct tctccaggaa tgtctttatt 216540  
attggcaata cctgagttat ataactatcc tgacctgcaa gggaggctgg gcatttgaat 216600  
attttacatt ataatgtcta gaaaaggggg ttttgatgc ctgttaagt agataacaca 216660

caatatctgc catgatatca gtgaaagaat cggaactaga agagctaaac aaaatctaaa 216720  
atctctaggt ttcaatgaaa aaggtacatt gatttggttt ttgttccctc cctgttttgt 216780  
acttgagtag gaaagaaaca gaattattag taagaatcat ttggacagat ttatccttc 216840

ttgcagatac agaattaatt aatatgtttt actgaacact tggatatatt ctgtatgaaa 216900  
 tccagtgttt tgcattgagc attggtagcc attctctctg gctgtttgtc ttgaataaac 216960  
 aaagcacctt tatttcagta aagcatctgt cagggtataa gttgtattca actagattta 217020  
 aaggccaact atgtacagtt tagtctggat cttaaagggt gatgctttca tgctagagcc 217080

tcctgtttac ctctaaatt gagctctttt aaccctgtt tttctctacc taattatctt 217140  
 aagtgaaga tgttcttgat tttactcaca tttgttcccc gtgctggaat cgaccacact 217200  
 ctattgcagt gtcctatca ctttggccag ctcttcttag ttcaagctgc tccacgcccc 217260  
 gcatggacca ttcccagggt gtgagcccca ggcttctgtt ggctctctc ctgacacgtc 217320  
 tctacagatg accactaatc catctagact caggcctacc ctcttctaag caggttactc 217380  
 ccaagcattt tctacactac actaacctcc gggttttcac agacttctgt gtctcccttg 217440  
 ttcaatttct cattagccaa ctccctggct cactccttcc acatttgcac gacacctcga 217500

tttatttggg gaacatctgc caggggtaga gtgggaagga aacttttggg ggaagtctgc 217560  
 aatgtagtgt ttgttctca gcataacaaa gacaagtcct gaaggtgaag tgcaaagata 217620  
 gactattcca ttttgtaaaa acaactcttt atgcctgccg gtaattattg attagagacc 217680  
 agatgtttgc caacatcgct gttatagctc tggttctgtg tggatgtgga atttgatcag 217740  
 ctttaaaaca tcagtttcaa tagacatgat tttagatggg ggcaacttggg ataattttaa 217800  
 gtcaacagaa aagaagtct actgggaggg gggaagaggg agggcactca ttctttgaac 217860  
 aaatttctcc ttctgcaaa aggtatctgt cctgaagcca attcaatcat agctctcgca 217920

ggtagcttat tagctaattc agttcagaat cacttatgta aataaactga ttccagacaa 217980  
 ttaggtgtc cattgagaag cttatttgtt aatttatgaa gctgttactt agcttccatg 218040  
 ctgtttaate cctcttctt tctacttcaa ttaggataag atacttgac ctcttagata 218100  
 agtgtcctta aattggggtg catgaacttt ctgaagcttt acatacaact gagatgctgc 218160  
 ccagcatcag gcacactgca gatgtcccca atagacgttt gttaaatgaa tgactgtgtg 218220  
 aatgaatgaa agcttggttt gtcattgagac cacagggcag cataatttca gaaaatacat 218280  
 tcatgtactt ttaaaagtac ctgcctcatt tctgtgatcc aatgcctgaa aatatgtcac 218340

cattttaatg ttgttactc agactattct atacactatt aattgaaatc taagaggtag 218400  
 accctgttta aactggcaga ggactgcttt ttgtctattg ctagaagctg taattttatat 218460  
 ttacaaattt ctigaatgag gagagggaga attgtatctt actatttctg ttcttctctt 218520  
 tcctcgttcc accatagctt tgaatgatgc attggccccc gtggaccacc ttccatttcc 218580  
 caagactttt tgaaggcaat gaatgagaag aaagcagaga aaacagtggg cgtgaggtca 218640  
 gatgactcag gctttagtac tgatcacatc aaggatttga cgcaactgtc ttagggaaggc 218700

acaacttcta ctactttcag tcttatcaac tgtgagaggt aataatgata cctggagatt 218760

atcttgttct gaagaacgaa cattatgagt tttatcatta ttagcaaaaa cttgccagta 218820

ccaggaattg ctgcagatga ctgaggaaaag gtttctagcc agctctcaga gggaagtgc 218880

ttgcttgag caaggcttct tctttaccig cagtgttaagt tgagttcaga caatgggtgt 218940

cttgcagct gcagacacat agtcatgtcc tgtgcttgcc ctgtgtggca gggaacagca 219000

gtcctttgc agaaggaatg ggccactgca gaagttcatg tgcctccaat ttttctatga 219060

catccacttg actttctgtg tctcttttgc tattttcatg ctatcatgct acttcatggc 219120

cagtgcagct taagaaacat ttactaagga ctgggagaaa atcagaaata tttatgactt 219180

aagcactgcc actgagttgc ttccatttct agaaggagac accagtcaaa cacagtctta 219240

ttcatggcca ggtgaaaaag ggaaacatga taacaggaaa attataaaat aattctagaa 219300

gaaagaatac ttatttttca gtggagaatt caaagagaag gtgcaaggtc ttagaactag 219360

gtgttgaaag atgagcagtc ttttgtcagg ctgagatgag aggggaagagc gttagaggtt 219420

gagggaacat catgaacaaa ggcatataaaa tagaaagaac ctgtgagacc tgggaattaa 219480

caatggtagt ttgatagtgg agccgatctg gggaaaggct taaaaaatat actgaataga 219540

gtttgagact aggttgttaa tggttttcaa tgcaagttaa taaaattcat gattttatta 219600

tcttgaagta attataaag tacagataaa aggtaaaagg cagctcttcc ctccagcatt 219660

tgtgcaatac ttattaatgt tttggtgtac ttcttccag tctttttct tcacatttac 219720

agattactct ctttcccta tccaacgtta tctactaagc tttaccgtat gctgcaacat 219780

cagcttcaca atcagcatag ttatataaaa gtctatctag tgttgagtat ataaagcagg 219840

ctcattgttt ccaagatgaa gacttggcaa ggctgcaggt aagatttatt tgaaggagcc 219900

agtcattttg attttccatg gtaagaacct atggagaaaa acagtcattg ggattttttt 219960

tttttttact agaaatcata tcacaggtat atctaagaaa caaggggtgc caacttcctg 220020

glagggtctg caatggtatt tggtcggatt ttatctacca ctctgtgac tctggagatt 220080

ctatatgtg ctgcatctat ccaaggcttc ctttacaggg taactacaca tttaccaga 220140

aaaggggaga cagaatgggc agagagttaa tglagccagg aaatcaatct ttatggaaaa 220200

ttcctctact atatgcatc atttaaaaa atgcatggaa agggttagcc aatggtttct 220260

tagacataac actaaaaaca caaaaagaca aagagaaata taaataaatt gggatatctc 220320

aaaatgaaaa aacatttgtg tttcaaagga cactgtcaag aaagtgaag aacaactcac 220380

acagaacaga atatggtagt ccccccttat ccagttttgc cttccccagt ttcagttact 220440

agcggtaaaa cacagttaga aaatattaga caaaaactcc agaaataggt cgggcttggt 220500  
 ggctcactcc tgtaatccca gcactttggg aggctggggc gggtggatca cctgaggtca 220560  
 ggagtttag accagcctag ccaacatggt gaaaccccgct ctctactaaa aatacaaaac 220620  
 attagctggg cgigctgggt ggcacctata atcccagcta ctggggaggc tgaggcagga 220680  
 gaatcgcttg aaccgaggag ggggaggttg cagttagcca agatcgcatc attgcattcc 220740  
 agcctgggca ataagagtga aactccgtct caaaacaaac aaacaaaca agaaacatta 220800  
 gccaggtggt ggtggcaggt gcctgtaatc ccagctatctt gggactgagg ccagaaaatc 220860

acttcaccgt gggtagatgg aggttgccgt gagccaagat cgcaccactg cactccagtc 220920  
 tgggtgacag agcaatactc tgtctcaaaa aaaaaaaaaa taaaataaaa taaaaataaa 220980  
 tccagaaata aacaattcac acattttaaa atgtgtgctc ttctgagtag tgtgatgaaa 221040  
 tctcacactg cttggctccg tccctttgtc cagtgtaccc ttgtgtaga tgccaccgcg 221100  
 ccagcagtc tcatcatctt ggcccaggat cacctgaaac agatgatcct cttttgagc 221160  
 taccatcaga aggtccacag tactagccca gcgtacatc ccaatgccta cgccattcat 221220  
 ctcacctcat ctcatcagct agacatttca tcatgtcaca tcatcacaag aagggtgagt 221280

aaggccagct gagatatttc gagagagaca gagaccatat tcacataact attattacaa 221340  
 tatattgtgg tagttgttct attttattaa tacttattgc taattttcta ctgtgcctaa 221400  
 tttataaatt aaactttatc acgactatgc ttatatagga aaatcatagt atatacatgg 221460  
 ttccatacta tgcagtttcg tgccttcacc gggaggcttg gaccatattc ctctcgggta 221520  
 aggggagact actatactaa tgagaatcaa tttctaaatg tttcaattag ttgtatttct 221580  
 ttttttttc aaaattttat tgtgcctggt atagttgggt gtttttctca ttccattaca 221640  
 taaactttct gtaagttaaa gcgcgaacat attgttacat ttgatagat ttcttttcca 221700

aggctatcct tttatatttt gtcatatata catttaaaat ttttcatac aaaatctgtt 221760  
 catctcttc ctcgtgattg cttctttctc ctgtaggcta ggacattttc catctccaga 221820  
 ggtctgctag atatcatata caattttctt cttttatttt tcattggggtt ttaagtttta 221880  
 cttttaactt tcacatttaa caactattta ctactgtca actacgtgct tgggtatattc 221940  
 ctagtattta tttaggttca aggtgtaatg ttaaggatag taatttgaa aaattattat 222000  
 caaactacca ttgttaattc tcaggctcga caggttcttt ctattattat cgctaaccgt 222060  
 tcttctatgt tactatatga ctctctgtt ccattttgct gtctgtctag tttctggcag 222120

tattatatgc ctttcatact acatttttat aatatgcatt aatatctgat gataagattg 222180  
 ttcccccata attatacatt ttcaaaattg tgtttcatct gtgacctgtt tctccagggt 222240  
 gacattcaga gcactttgtc aggttaaaaa gaaacatgct gagatttggg ttagatttat 222300

atgaaacata aattgttttg ggaaaattgg tacgttcaaa acatgctgct gctcatctca 222360  
gattatgatg ctgcttttca cttattcaag ttttcatgac tttcagtaaa atattgattt 222420  
actcaaatag atcacaggtg tctctcatta aaattattcc ttataatcgc atttctgaag 222480  
atattgtgga ttagagtttt tttcattata acttcagtta ctgtatgaga atttcttttt 222540

ctcctttctc tttctctctc tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tacacacatc 222600  
tttcatcagg ctacctatca aacatttggt aattaaaata atttccgagc ttattctctt 222660  
gggttatcta actatgaaat aatactttca gacatttttt atcatttatt ttttaacatg 222720  
tatcttattg ctatcttatt tttgctttca gtgagtagaa tttctagaat atgaataata 222780  
gtaaaactgg atatatattat tttattttcia ttttaacatg aatatgactt ttagatcaaa 222840  
atagatggct tttattatgg taaaacagtt ttctcttatt cttctatttt agtatattat 222900  
caaagtacat tatttttgaa tttttttctt ctttaatcca cttataactaa gaatcatgta 222960

tcctttgaac atattttctc tcttttaatc tacttatgtc agatattgta ttaatacatg 223020  
tccttatcta cttacaggac tcttcctga aaaaaaaaaa aagcttgga agtgtaggtc 223080  
atgataaaaa atgttctcat actgaaccac cctagaactg gaagtcatta acgccagaat 223140  
gtgtgttctt aggtcctgct gctcatcagg gccgccatat tgaaagtaaa tctgtagctt 223200  
tcaactcaac tctaaccaga gcaagggaact ccttttgagg agcctgtagg tcaggggctg 223260  
ccctcagagg tctgagttgc tccaggaaca attctcaatt ctcaaactg tccttgtgat 223320  
actggtccta agtgggttcag ttgtggcacc caggggcaac ccgttacagt tcttccttca 223380

agcctggaaa tgatcttaga gaatggagag aacttgagga ttctttggct ttactgtaaa 223440  
tgggtacctg aggtgtctca actagcatga ttttccaggt tggactccat gcaccttata 223500  
cagtggcttg cttaagtgt gaatgcataa ttaaagggtt ttggtgtttg tattttctcc 223560  
ctctctctgg ggcatactc tccatattct cttttatctg tttcaatatt ggacaccttc 223620  
ctgccaagat ggctggattg ctggcatgt gaccacataa tactccaaat gttgaaacgt 223680  
acaagatttt cctaatcccc actgtactc ttgaaacagt tcagtggcac actttcaacc 223740  
atggccaaat ttcagaatca cctgaggatc ctcttaaaaa tggtagact caggccctac 223800

tgtgcaccag tgaatcagt gtagtgcca ccctcccca cagggtggc tgtgtgtgat 223860  
gaggtgtcag ccacagcctt caacacttgg ttggtggccc ctcaagacct gtgtgtccag 223920  
ggaggctggt catctcagac acgattgcca cttcttttct cttccctct caggataact 223980  
ctgacttctt caggtacttc aactgtggga gtgtttgttg ttagttggtt tgtttaattt 224040  
gttgcccttag gggcagagaa atgagttagt ggttcttctt agttcacagc atattattat 224100  
cccgtttgtt ggcaattcag gctccttctc caccacttt ttccaagga catacatga 224160

cttttgtggg ccctagtcac ttttgtttgt gtgggtcttt ctgctatga tagatttttg 224220

tgtttcctta aaatttcgtt ttttccctga tgtgtgaaaa acaaattaaa actttttcat 224280

caacccaaag agttcttagt ttcatTTtga ttttaaaaga aacttaata ttttatgact 224340

ccttaaaaag taccttggac ctaaggcatt gtgtttactg gaccaacaga tgagttagcc 224400

ctgctctac cttcctgctt tctcttttat ctctataccc tgtgccatt ctcttctct 224460

agccaaagag gtacatctcc cttgtttctg gatctgttc tttatatata ttcttgcata 224520

atgtgtattt gtatattgtt ttatgtattt aaaaaattaa aaaaatgtta gaacagtttt 224580

agattgatag attttagatt gaagattgca aagatatag ataatttcta aatatcctac 224640

atctatttgc cciattaaca tattaccttg gtgtgataca tcagacacaa ttaatcatcc 224700

attattgata cattattaac taaaatccat aatgcattca ataccttat ttttaaaat 224760

aggatgtacc ttttctgtt aaggattcca tccaagatac tacactgaat gtagtattca 224820

tgccctctta gactccctt ggttctgaca atttcttaga ctgtttttaa tgactttgac 224880

agtttcaagg agcactggtt aagtactttg tagaatgtcc ttcaaatgag atttatcgga 224940

tgtttttctc atgattagat tggagttaca gttttaggga ggaagatgac agaggtaaag 225000

tcattctcat tacatcacat caagggtcca caccatcaca taacttgtca ctgttgatgt 225060

taaccttgat tctgacctga ggtagcattt ggtttcttca ctatcaagtt actctctccc 225120

cacctccact tacttcaga ctgtagtctt tgaagacaag tcattctgta cagcccacac 225180

ttaaggaatg agaagttgtg ctccctttcc ttgagggtgg agtagctaca aaattatttg 225240

gaattctttt caggagagat ttgtctcttc tctcacctt tattattttg tttaatcatt 225300

tatttataac atggatattt gtattgtacc tgagtaataa tccaatacca ctttatctta 225360

tttctcaaat tgtttcagct ttggcctctg ggaatgcttt cagctggctt ctgtctctt 225420

taatatacca ccctctctct ctctctctct cttctttctt cctgtctgt ctctttaaca 225480

cttcttctct tctggaacta caagatgctc caagttcatt ttgtagattc cctgctccta 225540

tcctagaatc agccgttttt atacggattc ctgttttggt ttgttttggt ttaaattgag 225600

aatagtatta aaaacaaaa tcttggccct atgtgtatgt gttgttctg ggctgttgtt 225660

ccttctagge cctctcagtt ggcaaagcaa ggaatacat atgtgtatgg atttacacac 225720

atttaatat tttgtaata tgtaaatata aacgttatat atattatgta tatgtaacca 225780

tctatatctc tattaacctc aatatgtgct ctactcaact gatgtctcca actacaatct 225840

gctattatat ggatcattca ggttgccttc tcttgtctat aacctccac ttaatgatga 225900

gaaacctggc ctctaccatc tactctttac ttattttaact gtcctattcc aatataacctg 225960  
tattgcagta tcacaattat taataagcac tcccatggaa aacaacttta tcaactagag 226020  
tacagtgttc atatacggtt cctttttgcc gttaaccttg caggcttcat ttccaaagtt 226080  
acttaggtca gtaccttttt ctcccgatcc cttcaggag attctttaat cgtctcataa 226140  
catggttagc attctttgtc acagtgtgca ttctatctg ggatgccatg atgtactaaa 226200  
gcattttcct gatttgtaaa cattaagggtt ctctctttgt gctgtaaagt tctatacaaa 226260  
tgtgtagtgt cttttatcca ctgtagtgtt tttagggcaa tagtttact gccctaaaaa 226320

atcttctgtg attcacctat tctaccttc cccaaccccc tgatccacct ggcaattatt 226380  
gatattttta ccatctctat cgttttgcct tttccagagt accatataat tagaattata 226440  
cagtatgtag ccttttcaga ctgacttctt tcacttagca atgtgcattt aaaatctaaa 226500  
attcatccat gtctttccaa ggcttgatac tcattttttt ttttatcatt gaataatatt 226560  
ctagtgtgtg gatgtgctag tttctttatc catgcatgta ttggaggata ccttgtgctt 226620  
ccagcttttg gtgactgtga ataaagctgc tataaacatt catgtgaatt ttttgtgtgc 226680  
agttgtgaagt tttcaaagaa gttagataaa tacctaggag tgtgaatgtt gtatcatgtg 226740

glaagaatgt gtttagcttt gtaagaaact ggtaatctgt cttctaaagt ggctgtacca 226800  
tttcgtattc ctattcaca tgaatgagaa ttccttttgt tttgcatcca tttctgcaac 226860  
tggatattgt agtttttaga ttttagccat tccaataaac atgtagcagt atctcatcgt 226920  
tattttaatt tctaaccaca taatgacatg gtttgtatga atgtttaatc ggtgtaaatt 226980  
gatttgtgct gtatatctct ttctgtcact ttttttact aagcactcca tatttaggat 227040  
tcacttatgt tactgtctaa tccattgcct ttaattgctg tgtaaacactc agatacatcc 227100  
accacatc ccaattcact ctctcagttt cagacatccc agttgcctcc tatttctacc 227160

tccacagata gtactgcatt gaacatcagt gttttatccc cttatgaacc tatgaggaaa 227220  
tttcttggag aatataccca cagggtgaatt actcagtcac tctatatgca cattctcagt 227280  
gtgaccaaga gcaatgctag ttggctctcc atagtggcta caccagctca agctcacacc 227340  
tgccatgtat gggattctac atcatgtact tgacatttcc catctttctt tttctttttt 227400  
ccttttaatt ctttcttctt tctctctctc ttttttttt tagacataaa gtctcactct 227460  
gttgcccagg gtggaatgca ctgggtcagt tctagctcac tgcagtctca aacttgtggg 227520  
ctccagggat tctcttgct tagcttccaa agtagctaag actacagggtg tgcaccattt 227580

caccaagctg atatatTTTT attttatttt ttgcagaga tggggtcttg ctctgtgtgc 227640  
caggcttttc ttgaactcct gacctcaagc agtctctctg ccttaccctc ccaaagtgtt 227700  
gagattgtgg gtgtgaacca ctgtgcccag cctagctttc taatttttga tattctaata 227760

gggtgaagtg atatacacagt actgtttgaa tgtgcatgtc tctattactg taatcactaa 227820  
tgattttgag catctctttc agtgcttagg tagtcttttg catttatctt cctcttcaaa 227880  
ttgcatgttt gtattctttg cccatttttc tatgggggtt gctatctttt tcctattgat 227940  
ttttaggcat tttttgtgta ttatggatat ttctatttat tttgtccatg ctgttctcct 228000

tagttttgat gtaatgacac ttacgaattt tgtcttcagt tttgtgcatt tgaactcttg 228060  
tttacaatg catttcctg ctctgaggtc acaaagatat tctcccatat tttttctac 228120  
taattatctt cacatttaga tctttaattc atctggagtc caccatttaa tgaggatag 228180  
gaggaattaa attttatctt tctctatatt gggagctagc tttcccaaaa ccatcttcga 228240  
aatgggccgt cattttccta tggatctgta gagacttctt tatgttatct ttatgttcca 228300  
ttttattcat agatctattc atttgtttc attggcatgg gtcttgacc agtttcatga 228360  
tgtttttatt aattttttat tatgatagtt ttacaacctg tcttgataac tagtcagcca 228420

ggtccttctt ctttatcatt ttttaaaggt tgacttaatg gttcacggac ctcccatcta 228480  
gaggttgctt tagtactaa ctccaagag cctcctgagc tggccattct gccagagttc 228540  
cccagacttc tttatagtaac taatgatgca cgtgtttgat ctcctctga tttctccagt 228600  
ttcaaatagt gcatctctaa agaccataat gctaacttta gtgtgtttc catgatttcc 228660  
actaagcatg aaaaggaatt tcgagggcca gcaccggcca caaatgatca gcctgtcctg 228720  
tgctgttggg cagctgtaac aagggtacac tcttggtca gttctgggct gaggatttac 228780  
tcttgggtag tagcctggta gtatgtctcg gttcagaatt actggaaaag ctccaatgt 228840

aattctgata ctattggagc cactctgtat cctgaagatt ttggtgagtt tagctcaaat 228900  
gtccaatttt ctctgcttgg ccaatttcaa agacttcacc cattttcttt tttctgaatt 228960  
cccactcacc tttccttacg ttttcttgc tttgaaggag ttaactgca acttaaggta 229020  
aaaaaataga acagttttca agatgatecc gttcgaatat cttgggaagt cagggtgata 229080  
tactaacatg agtgaaaaac tgagattcct gttctgggtc taccacaggt tataatttta 229140  
agagagagac tttatgtgac acctctattt gtcccatgc agttcaaaac atagatctca 229200  
gtctcttctc tatttttctt gaaggaatct attcacaat aaggttttgt ggattcaaca 229260

gctttactga agatatgtag attgttgta gcgttctcta ccttgcacag cctcttgtcc 229320  
cgctactggc cccatgcacc ttcctctgct gccttcaaga agctccagat cctgccacag 229380  
acgtgtccta ctgagaggac tggagtccaa tcccctgaca gtgcttttct ctttgggaag 229440  
caccctctcc cccactgcca ttaaactctt ggaattctat ggaataaagt aaacattaac 229500  
ttataacatt tgtatttgtg ttataaccgt cacactaata gctaacacat acatttagag 229560  
cttccttttg aatagtgaat aaaaaataca gtcaaatgat gacctcattt gaattcctat 229620

gctgggccgt tgatgtagt tctactacag agatcatgct gtgggactat ataataggtg 229680

atataattag taattaaaat aaaattgaca ataataaaat gaaagtacct tcactgagca 229740

cttagcatgt gctaggagcc atctcggtat gtaatatgtt atctttgatt cttgtgacaa 229800

attaccgatg tagatattat tatcttcatt tgatgggcta aaaactgtgt ctgagcaaaa 229860

ccaccaactg ggccatgcct ctgactgatt taaaaacttt gtcaattata gttcccattt 229920

gagaaaaaca ccatgatcag ggctcttggg gctgtgatga gaatgatgct ggagcgtttt 229980

glgaacaccc agggcactca gtgatgggag caggcacatg taattcttcc ctctcccacc 230040

ttctcttgac caaacgtat gcttcaatct cctgacctgg aactgactct actcacaggc 230100

aagtaagtgt ttgtgggaac cacttgctcg ggacggatca agctataaag tgcgggggca 230160

tgtggttggg ggcacgtcct ccagaggaca gtcttaaatc cagcttagcc tttcccttca 230220

ccacttgca atggggcaat ggagacccaa agggagaagg cactcgtgga gtcacagctg 230280

gttactggca gagctaagac aggaactctg ctttttcggt cattggactc ctgttacagt 230340

gctctttctt tactttatat cacattacat tttaaaatgc agaatttatt tccctgggaa 230400

actgtgcaca tttttgatga tacttatgta gtttattttg ctcatctagt ttggagggga 230460

tgagatggag gaagggcaga aacaattact attaacttaa atttcctac atccatctta 230520

ctatttaata tctatccaac acatatcatc tggcactgct aatcaccata aggtgacatt 230580

tttttgaatt gtataaaagt agatatatgt acacgtggtc agaggaaaac aagcctgggt 230640

taaagacacc gtttagaaca gtggttggca aattgttacc tgtcagccaa atctgactca 230700

tcacctgttt taataaatga agttttattg gaatgtagtc acatccattc ctgacatatt 230760

ttctgtgact ctttttgtgc tataaagagt tgagtggctg taattgtgac agaaatcaca 230820

tcacctgcaa agcttgagat agttactatc tggcccttta atgaaaaagc gtgttgacat 230880

ctgacattga agaattagcc tattttcgag acccatttcc atgatcacat ctgttggttt 230940

tatttttggg gagatagaac ataattatga aggcttatga ctttggaccc agaaaggcct 231000

ggattcaaaa ccatttgtga ccattttattg gccataagac cttggccaag ataccaaacc 231060

tctctatgct taagtttctt aatttgaaaa ataagagtaa taacatcaac tactctctgt 231120

ggatatgaga ggtaaatgaa actatacatc aaaagcacta agaacagtgt ctgacacatg 231180

gtgattacta aataaatggg agtgtttact ccattgagcc tttgtttgct gacttttgtt 231240

actactgatg ttctcttgac atgaggctac tgcttttagtc attcattttc agcagatctc 231300

catatcccaa ccttgacttt tggaccagat gtttaacctc tgtccaccct cttgtttcca 231360

gtgctgctga taaatacctc caaggttttg tcacttcccc cacaggacca gtaccggtt 231420  
 tgtataccac ctgctattcc tattcaaat ggtgaactca gtagagagaa tttgagactt 231480  
 tttttaggta gaagtacaa gtgccatctg atagcacttg aaataacaac tgagatgtac 231540  
 ataaggaagg aacagttgtt gagaatgact tggaaattcca actgggataa ctgggcagat 231600  
 tgtgacgtca ttaataagga ttgagaatac cagaggcagg catgtttttg ccttgccgga 231660  
 aaaaatatc cagaagaggt acaatcactc ttgtaatatt gttaacaat ataaatataa 231720  
 tttatattca tctcaccta aaagtttgtt attctaggct cataattggt tgtccccaca 231780

aataatgcac ttttttacac actgatatag ctctcaccac actagacagt cttctaagag 231840  
 cttttttttt tgtttttttg atggaggctc gctctgttgc taggctggaa tgcaatctca 231900  
 gctcactgca acctttgcct ctgggttca agcaattctc ctgcctcagc ctccaagta 231960  
 gctgggacta cagggtgtgtg ccaccacgcc cagctaattt tatgtatttt tagtagagac 232020  
 aggtttcacc atttggccaa gatggtctca atctcttgac cacgtgatct gcccgcctca 232080  
 gcctcccaaa gtgctgggat tacaggcgtg agccactgtg cccggcttct aagcccttta 232140  
 taatatcatt ataatttaatt cctctgaca tttctatgag atagatgtta ttattattct 232200

tatgttaaag agaaggaaac tgaggcaaag aaagtttaaa tgacttgcta aggtgacatc 232260  
 cctagtatat gtttatcacc caaggaaggc acttattgca aacatggcca ttttttgag 232320  
 gtcatatca cagtgggaac tggctgaagc tgaacagatc tcggagatat actgtactga 232380  
 tgacctatag caaggttgtg cttggttgta gacggctgca agtatagac aagcaggtgc 232440  
 caagagaaat gctttgaaca gtttccttca gtggttgtaa gactgataaa atagaataat 232500  
 ttatggttgc ttactgaat aatttaccac ccaaatcatt cacaaaagca gtaagacgtg 232560  
 aaataggaaa acatgagaga catgaatttg aactaggaaa gaatcaataa gaaccagtgg 232620

ggccaaaaac tgcccttgag ggctggggca ccttggcgct cacagaggga aggcaggcct 232680  
 ctgttggatt cagctctgac ttcaagaggc aaaacagagc ttgctgttcc catgcacag 232740  
 tgcggcctga gtgcctacat cagcttttag tggactcagt ttgtttttt ctcagtcac 232800  
 cgctgttact gaatggttga gtaacttagc tttgtctagg gtgcagagta gatcttcgta 232860  
 ttaggattca catttgcatc ataggtttca ctggatcctt gttgcaaatt gcatgacttc 232920  
 taaaaatgat catttggaga gtgctatgca gttgataaaa gatattgcat gttatcttgt 232980  
 ttaatccaca taactactct tatcatcaag gttgtgttgt atctcatagg taggcaccaa 233040

ggcataaaga gggtaaactg tcttgtctcag ggtctcagat gcagactctg actcctagtc 233100  
 ccctctgttt ccactecacc ccatttgcct tagtctcatt ggccacaatg aaagatcaga 233160  
 tgcaatgtca aagagctggg tctctgtgat aaccacttca ttaattgtag tcccttctgc 233220

attctttacc ccatctatta tccatgtaga catccgtgta atatcacttg ggaatcaaaa 233280  
acattttctt tgiagcgtaa cttcagtatt aaatggccat ctgaacactc atttttctaa 233340  
tcttgtttag tgcctgtgcc atgggcactt ttgctgccct ctaggctttt gaggtaactt 233400  
atcttaatta acigagaaga aatcatgggtg actggctaaa gagaaatgat gtcagcttta 233460

gaatcaactc tgataaataa ataaaggga ccaatttttc tgaaataatc ttgtaaatgg 233520  
tcttactgtc ttgttttagag aatcttagag aattctccta aagaaattgt caagcctggg 233580  
tttccatttc tcacagttag aactccgat gattattgta cagtaacagt aacaactaca 233640  
aattttatat agtgatttac aactcaaaaa atgcttgagt cagaatgtga atgctgatta 233700  
gacagctcca acttctctcc catccttatg ccatgtgctg agagcttgac tagctaacag 233760  
tcttgtcact gtacctaaat aaatgggcca cgattaagtg cgttagattt ctttgcccat 233820  
tttagcaatt gagtgaatt taccttcagt tgatctatgt gttgcagcaa tatctgaacg 233880

tcataaaatt tcctatcaat gtgttatggc tcattcagtt atatgtaat gaccgcctaa 233940  
ctggactgca acaaaattgg tttgggacct atagccttga gatatgaata ttgacaaagt 234000  
aaagaacaag tctcatgaga gttacaagaa ggagaaattt tgttttaaga taaccagatc 234060  
cactgtgcaa atcatggggg cttgggtttg ttgtagtctt ccaatgagat tagtgctgaa 234120  
aagaaaaact tccttgattt ctgttacaca tgttcagaat tctgttaatc aaagtctcag 234180  
caaagtgtca gaggtcaggt ccattgtggg ccatttttct cgtgtatttt ccatggataa 234240  
ttggccatga ttatcaacc attgcctttg accctttgac tttctgctct ggagatgaga 234300

gcttagcaaa ggtggggagt ggttgttcat aattgttccc attgcctatt ggaggcacca 234360  
cgggggaaag agcagttctg tgtgtttgat atcctttatc ccatttctgg gcagctaata 234420  
ttcacctatt aaaatccaca gaaattaaag agtttgggtg ggaaatagga ttattgctta 234480  
ttttaagaag agattcttag gaagtatttc tctcaatcgc tcagattatc agcatccttt 234540  
atcttctgaa agcactgttt tattataaac taccttgtga aaaattaaac tcagaagatg 234600  
gaattattat agtaacatgc aagtactctc cacctgttat ctttttttgc ccttaactaa 234660  
cctttaataa ggacttttta aaagaaggag tgcataaagg catttttct gaaatattca 234720

agcacataag agaatatgga attttaaaga taactggtga gaatccactt tatttctcag 234780  
tctagacca attatgtcac agtaataacc tggcttaatg acatacaggg taaaaggttt 234840  
atctgtctct caigtacac atccattgtg ggttgtctgg gagctcagca ccattcttgc 234900  
tgaggtagcc aggtgtcag ggctgtcaat gacagtcact agatgagaca gacagagaac 234960  
atggtgcatg atgcctggag tcttaagct tcttatctgg aaattacaca ggtcccttgt 235020  
attaacattt cactggcaaa agtaagtcat gtgatcacac ctaaccttaa ggcaggtggg 235080

gcaatgcact ggtgccccat acagaagagg aataatagaa atatttgttg gacagcacca 235140

atgactatgg tatagacttt tatgtttcaa actgcaacac tcctctctcc atttatagat 235200

aaacctatcc aacattatit caactataag acttctcagt actttttgac atctggtaga 235260

aaggatcctt ctcatcactt aaaaatattg ggaagatagt tgtatattga taaaattaga 235320

ataattatct caagttacat aaaaaatcct ttgaggacca tgattggaat tgctttatat 235380

ttaggaatta atgtttggag aatctatatc tttctaaggt ctttagaaac atgaggttgc 235440

tgaatttttc cagtctctt ttagatacca gtttgaggtt tgtaatatct acacaatttc 235500

cctgtaattt tgcttttagct ctgtcccatg tatttgtaat gtagcatttg tattaacatt 235560

ctatttgtta ctiattttta atttatgaa taaaatcaga gaacataata tgttgtatgt 235620

ctattctttg aacttctttg aggccttctt ttcttattac atgtcctatt tttgtttagc 235680

tggtttttatt taaattttta atttatgtt gaaatattgt acttgctatt tttcatattt 235740

taaaaaatct tcagattttt cataattatg ttttcatgtt taatttcttt gtatcttctc 235800

ttttttactt aacatatgtg ccaaagattt attcattttg aggcaaaagg gaggattttt 235860

ccaaagaaga agctcttagt tttagtaaac aagtgttttt gtttcttatt taattagaac 235920

taaattttta taattattaa tttatttctt ttactatcct taggttcaac ttactgttca 235980

tttttctagc tgcttttggt gaatatgtaa ttcttatttt aatcttactt gttttttgac 236040

aattagtcca aggttataat aattactgtg tttttttttt tgttgtaaga tccacgacag 236100

agcacacata tgatgtgtgt actctaacat agttactctg aataacactt tggccacatc 236160

cgataggttt ctaaatgcac tgccttcata gtcatttatt tctaagaatg tcattttatt 236220

cctgttttcc tgtttttacc aaaaggctta ttatatgttt tctttctttg tctgtttcta 236280

atttttaaat gacttgatgc atttttgggt atccctttat tgttattaac tttggatcca 236340

gtgaatgtag cccittggga tttttgagac tcttcttttg gacctaatca tcagaagttg 236400

ggaatgtcca tgttggttaa agccagcagt tttatttatt atgtcaaaag ttttataaac 236460

atttttccct ctcatatata tatatctata tacacacaca catgcacaca tttagatcat 236520

acttcttgat gacatatagc ataaagaaaa tatgctatat atgaataatg aagtacatct 236580

gagccatgaa aagaatgaaa tcatgtcttg cagcaacatg gatggaactg gaggatgtta 236640

ccttaagtaa aacagctcag aaacagaaaa tcaaataccg tagattctca cttaaaagtg 236700

ggagctaaat ggccagggtgc ggtggctcac gcctgtaac ccagcacttt gggaggctga 236760

ggtgggtgga tcacgcggtc aggagatcaa gaccatcctg gctaacacgg tgaaacccca 236820

tctctactaa aaatacagaa aaactagccg ggcgtggtgg cgggcgcctg tagtcccagc 236880  
tactcaggag gctgaggcag gagaatggcg tgaacccggg aggcggagtt tgcagtgagc 236940  
cgagatcgcg cctctgcaat ccagcctggg caacacagtg agactccatc tcaaaaaaga 237000  
aaaaaaaaa aagaaaaaaa aagaaaaagt gggagctaaa taatgtgtac acatggatat 237060  
agagcgtgga atgatataga ttggagactc agaagggtac aggggtggca ggaagagctg 237120  
gatgatgaga aattagttaa tgggtacaat gtacattatt tgggtgatgg atacactaaa 237180  
agcctagacc actacacaat acatccatgt aacaaaattg cacttgtgct acttaattt 237240

acacaaatct aaaaagagaa agaaatatgt tctaagaaat taaactttct tatatttata 237300  
tattttttaa tttattttta cagaggggaag aattttcaaa tctagatttt tcagtttctc 237360  
tttcaattca aaatttttac cttaaatatt ttgattttgt attgctaatt acatgaagtt 237420  
caaggatatt ataacattgt tttgggtttt acactttatc attacaaaac atctctttgc 237480  
tccagatttt gcttttgact ttataccatt ttggctctac attagtttt gccatttcta 237540  
ttttcctttt gttcagtttt tcaatttgct tggttcatct tcttccatct ttataatttt 237600  
aatttttgta tgttattctc ttttagatat gtctcccat aagatcatag aactgtattt 237660

taatttaacc cttttaaacc attttctgat agttcattgt taataagaaa gtttaacca 237720  
tttatattta ttattctga cctcaaatat tatgcttggg ctgtgcaatg ctttcttatt 237780  
ttcttttctc atatttatgt gtctttgtgt gtgtgtttgt gtgttgaagt tgaatgagtt 237840  
ttcttagttc caactttctc ttctagcttg aaattatgat tcaatatcta tttttggtac 237900  
tgtgtttaaa tgcacaatgc acagttaaaa actcatattt ttctataatc atttagtcat 237960  
tgtacttctg ttaaaccacc gaaataattt taaaatacca tctcttttgt tctactaac 238020  
atgttgtgaa aaatattttc atcaattgtt aaagagaatg tattaactat tgtttagaaa 238080

taacatcat tactttttgt gagtattcat catctgtatt ctgtgattaa ttttttata 238140  
ttctgtaggt atcactgagt gattcagaga aggtctggtt tgataagcca tctacgttct 238200  
tgtatgacca aaatatattt tcttttcttt tttttttttt tttctttttt tgagatggag 238260  
tcttgcctg ttgccaggct ggagcgcagt ggcacgatct tggctcactg cagtctctgc 238320  
ctcccagggt caagcagttc tctgcctca gcctccaag tagctgggac tacaggcgtg 238380  
tgccaccaca cctggctaatt ttttgtattt gtagtagaga tggggtttca ccctgttggc 238440  
caggatggtc tcgatctcct gaccttgtga tctccgcct ccgcctccca aagggtggg 238500

attacaggca tgagccaccg tgccctggccc tattttcttt ttaaaaatct ttcacgtaca 238560  
tggtagtttt catatagaat tcatgggtcc acaattttac ccttgaaact tcaaatatat 238620  
ttgtagtaat tgtctagtga tgttgatgga aagccaagtg taaattgatt tcttttgaag 238680

gggcttctgt ttatctttga aaattgtatg cttttattgt taccatgga attccaaagt 238740  
 ttacttagga tgtttttcat gtgagctact tataaatctg ttacttatt attcattgtg 238800  
 cttttcagt taaagagcca tgactttctt cacatcaagg acatttttaa tgacattaat 238860  
 tgattaatat atgctttaga actctaacig catggaaact gagctttcta gatgaatcct 238920

ccaatatcta gcacagtacc ttaatgcatt ggggtgcatta taaaatcaca ttgaattata 238980  
 aatgccctca gaaaagaaca caatgcctaa ttcctgacgc agttcattta ggaagagtgc 239040  
 atagattatg tagcatgttg aatacacctt gaagacagag ccagattatg agagtggaa 239100  
 aaaagtttta aaatgtaaaa gtagtagcca gggctaaggt gtggctttgg gaagtttcag 239160  
 gcagcagaaa tagctgtgct agaataaagg gaacttccgc tgagaggtag taaaatacat 239220  
 ggctagaaaa atagtcacca gattttgcag ggcttttttt taccacagat gaagacagtt 239280  
 acgtgtttta tgaagtggac agtgagaagc cataggagtg acatcattca tgtaatgtac 239340

atgaattttt tttttttttt gacacggagt ctgctctgt taccaggct ggagtgcagt 239400  
 ggtgtgatct cggtcactg caatttctgc ctcccgggtt catgccattc tcctgcctca 239460  
 gcctcccaag tagctgggac tactggtgtc cgccaccaca cccggctaatt tttttttttt 239520  
 tttttgtatt tttagtagag acgggggttc accgtgttaa ccaggatggt cttgatctcc 239580  
 tgacctcatg atccacacgc cttggcctcc caaattgctg ggattacagg cgtgagccac 239640  
 tgcggccagc cgatgtacat gaattttaat atgactgagt tgtatgagt actggatttg 239700  
 gacgggaagg gtttaagtata gattaattag aaggttctgc ggttatcttg atgggagatt 239760

acaagggtea gaaccaatgt aatgacatta atcatggaaa ggaagaaatg aatgtgagag 239820  
 atgggaggag agagagagag ataatgatgt gacttatgtc agcacgggta ggctaacaga 239880  
 aagaaaagtc agaatttcaa agaaataagg cagccagtaa agaggacttc gggttgaaag 239940  
 atgatttcaa ctttaggcat atttagatta tggttttctt tgaacatctg tctggggaac 240000  
 tccaatggcc agatagaaaa aacagggcat gtgtgtttat tgtggcactg ttcacaatag 240060  
 caaagacttg gaaccaaccc aaatgcccat caatgataga atagataaag aaaatgtggc 240120  
 acatgtacac catggaacac tatgcagcca taaaaggat gagttcatgt cctttgcagg 240180

gacatggatg aagctggaaa ccatcattct cagcaaagta acacaagaac agaaaaccaa 240240  
 acaccccttg ttctcactca taagtgggag ttgaacaatg agaatacatg gacacaggga 240300  
 ggggaacatc acacactggg gcctgttggg ggttgggggg tttggggagg gatagcatta 240360  
 gaaatgccta atgtagatga tgggctgatg ggtgcagcaa accaccatgg cacgtgtata 240420  
 cctatgtaac aaacctgcac gttctgcaca tgtgtcccag aacttaaagt ataaaaaaaa 240480  
 aaaaaagcaa agcaaagcaa taggccatta taaatcagaa ggtggaaatg cttaataggt 240540

acaaaaaata gtgagaaaga atgaataaga cctggtatit gatagtacaa cagggtgaga 240600  
  
 atagtcaata ataatttaat tttatatitit taaacaaata aaagtataat tagcttgitt 240660  
 gtaacacaaa gcataaatat ttgagggat ggataccctg tttccataa tgtgattatt 240720  
 atgtattata ttcttatatc aaaacatctc atatacccca tacatatata cacctattat 240780  
 gtaccacaaa atattaaaaa taaaaaatit ttgaaaagaa atgaggaaga acaactctta 240840  
 atagcatgtg atatacatat gctttataaa atatagtitt atttitgtit gcttgggggc 240900  
 ttaaaatata ttigtgaggt caaggtgaca ccttataggc aacagtaatg tagagaatat 240960  
 aatttagagc tgacttggca tgacacattt ccagtgtgt gagcatttag gaaaaaagga 241020  
  
 gattaaggac ttgttggggc tggatcatgt ggtccatgcc tgaaatccca gcacttggg 241080  
 aggccgaggt ggggtgatca caaagtcagg agatcaagac catcctagcc aacagggtga 241140  
 aacctgtct ctactaaaaa taaaaaatit agcttggcat ggtggtgcac acctatagtc 241200  
 ccagctactc gggaggctga ggcagggcaa ttgcttgaac ccaggaggcg gaggtttcag 241260  
 tgagccaaga tctcactgt acactccagc ctgggtgaca gagtgagact ctgttaaaaa 241320  
 aaaaaaaaaa aaaaggactt gttaaagaga atttaattg gcctttagt ggtggaagg 241380  
 tttagctggg tgcaagcaca gggaagttt acattgatgc catcttttag aattaagg 241440  
  
 tactcatatg ttatggtcat tatgagtaaa tgccttgata accaattagg cctgatgaag 241500  
 gcaaggaatt cccatgtatt tctgggtttc tgcactctgc atggcagttt gctgctgcgt 241560  
 atctgtatc cacactaat ctgaagtaga tctgtgtctg tttagaactg tagctggcac 241620  
 agggtagtga atttaataac agatgcaaaa ttaggactg acaggatgta tgccctgta 241680  
 aacaggatgg ggcttaatcc cttggaaagt aatgtaatgc aattcaatgc aagatttcac 241740  
 agggacttta ggtgattttg tttccagga aaacctaca gaattatga gctgtacatc 241800  
 ctgggatgg gcaccaatag accaaaaaaa aaaaagtatt attttcaaa gagcagacta 241860  
  
 aatctacct catttcccc acgatattg ctctctgctt tctaggaaga agaagcaaag 241920  
 cacaccattg atgtgtgtgg gtttgatgta gcacttctta agaggtctac aaagagacat 241980  
 tgcaaagcca ggcctctaaa tgattcctct gtgaaacatt gggccaaaca ttccgtaacc 242040  
 cttctctgt ctggtgatca tgtaagtaga tattctggaa gcacttgctc tacagatgga 242100  
 gaattgtac catctgccag gacagctct gctcatctt catgactcag ctacatgtc 242160  
 ataacttcaa ggggccttca gctctctggc cttctctgcc ccatgaaggc tctaccagt 242220  
 gcccccaact ttgctcttc ggctgcattt gaagcattta cctgtgctt ttaattgtt 242280

gtggaattgt ctgtagactg tgaccttgag tgtgcagagt cttgtagagt catctctgga 242340  
 ttccccactc tgagaaccac gcttggccat tgcaggctct caacaaaggc ttgctgaggg 242400  
 gatgaatgaa tgaatgtatg gatggcatga atgtatgggc tctggtgaat tttttgcca 242460  
 cattttgctg gccagcggct gcatitgggtc tgcacactga accctttggc tcaaggtatc 242520  
 agagctgctc tccttccagt gaagacttgg atggaagact tgagatgcag gttatgggga 242580  
 tactgtcac ctctattcct cattcagaag gatacatacc tcaactggacc ataaaaaatg 242640  
 agaactgaat taictgagtg tttgaataaa ctccacctt gttactccac tacagtctga 242700

gaaaacttca ctgcacaaat agaggcagtg tacacccctc acagacactt tcctttctcc 242760  
 tgttgagagg tgaagccagc tggacttctg ggtcgggtga ggacttgaag aacttttttg 242820  
 tcttacaaga ggittgtaaa atgcaccaat cagtgcctctg taaaaacgca ccaatcagcg 242880  
 ccctgtggct agctagcggg ttgtaaaatg caccaatcag tgcctgttaa aaacgcagca 242940  
 atcagcactc tgtggctagc tagaggtttg taaaatggac caatcagcac tctgtaaaac 243000  
 agaccaatca gcaactctga aaatggacca atcagcagga catgggtggg gacaaataag 243060  
 ggaataaaaag ctggccaccc cagccagcag cagcaacaac acggtcgcgt ccctttccac 243120

ggttttggaag ctttgttctt ttgctcttcc caataaatct tgctaccctt cactctttgg 243180  
 gtctgtgcca cctttgagag ttgtaacact cactgcgaag gtctgcggct ccattcttga 243240  
 agtcagttag accttgaacc caccggaagg acaaaactcc agacacagtg tgcgtgaaaa 243300  
 aaataccatg tgaaccata agataccatt ggctcccttc tctaaagaga ctgaaccctg 243360  
 ccttcaatat caaaggtttg gtccactggc aatatcttta aatgcaaatt accccattgc 243420  
 tgctgttatt tgctgctctt gagtaattcc agttttgctt tcctgggaat gaagtttagt 243480  
 atgagaaatg tggatgcccc tgaacatttc tgctatatcc ttgagaaaaa tgatggaaca 243540

aattgttctc tgtgggggtc cattcaggaa cctggaggca tggcgttggg agtattatta 243600  
 tcattagcag cgtggcaact tagtctgttt tcaaactggc agcaaaaaag taatatttat 243660  
 ctacttggcc atccggagaa gtgttatgga ttgcaattt tgcactttag tggggtcata 243720  
 gaacaggtag agaaatggaa gctgttgaaa attttcatgc aagaggagaa acacacaaga 243780  
 tctgtgaata gattgaagct ttggtaaga aatggagggt gtatgtttga tttgaaggct 243840  
 ttgagttctc ctgaggctaa ttgtggacag tcttttcttg acgagcacga atctctcagc 243900  
 cagctggatt ttatattata gaattagcct ttcaaaaagg acgtgcatt gttagcttag 243960

ttactatata gtagtgcaat gagatgatgt atgaggatgt attttgaaaa ctgccaagtg 244020  
 ctgtgcgtgg gatggatgac agtggcgggt atgatcatga tgatcatgat gatttatcag 244080  
 cagacattct aaccagata tatgtttccc caatcagtcc tgtggggaaa tgaaggctca 244140

tagcctgaca catcacagca aatcagtcg ctgagtccea gcaaaggaga cacaggtgtg 244200  
gaattccacg ttagctggg gtccagaagc tccaggggat tgaatgctaa gagcttcgta 244260  
tctctgtaag aagtctctg taagaagtca tctctgcaag aagtcactct tgcattgaag 244320  
ccgctgagct aaaggaaaag ctgatttgc tattcagaga atctcacatg tcactttgat 244380

tgtgcagaca ctctccag cttttataca ccataccac atgcagtcg taaacacata 244440  
tcctcacatt atacatgtac cccatgtgca cacatagaca gctccatgca cacacctccc 244500  
atctgatgtg catcacctg catctaccac cctgataaat atacccctc tgtattttac 244560  
acacagagcc cgtatacccc catacatgtt ctctctctaa tctctctcca tggccacggc 244620  
ctccacccct tattcatgta ccccttacct ccttcataaa tacacatctt gcacatctgt 244680  
acacaccccc acatacccca ctcttatgtg ctattacatg ttctccctca tcccatatgc 244740  
ataccactac atgcagaccc ataggatgta ctgagacact catatacata gtcacatgcatg 244800

catgcaggtg gtcacagtgt tgtctggggt agagagaggt acagttctag agggacaagt 244860  
taatctgtgc atatttatta cacttaatct gtcattcttt tccccttttt ctgcccttcc 244920  
ctctggctc cctccctgac aattgtttgt agagcaactc ttttcagttt tcataaacat 244980  
cctttgcttt gcctaaaatg taagtatatg gcctgaatta ctatctatta accttttcaa 245040  
aaaattaatg aattaatttt tgttttattt ttatagattt agagagtaca agtagttttg 245100  
ctacatggat atattgtatt ttggtgaaat ctgggctttt agtgtaacca tcacctgaat 245160  
agtatatatg gtacccatca atttctcacc taccaccccc ctgacaccct cccacctttc 245220

tgagtctcca gtgcctatct ttctactttc taggtccatg tgtacacatt atttagctcc 245280  
cacttctaag tgagaacatg tggatctga ctttctgttt ctgagttatt tcactgaaga 245340  
aaaggacctc cggttccatc aatgttgctg taaaagatac aatttcatta ttttttatgg 245400  
ctgagtagta ttccagagta tataggtagg taggtaggta ggtaggtaga tagatagata 245460  
tcacattttc ttatttcaat aatctgttga tgaacactta ggttgattcc aaatctttgc 245520  
tattgtgaat agtgctgtga taaacataca agtacaggta tctttattat atagtattt 245580  
cttttccttt gggtagatcc ccagtagtgg gattgctgga tcaaatggta gatctatttt 245640

tagttatttg agaaattgtc atactgtttt ccacagaggt tgtactaatt tacattccta 245700  
tttttcgatg aactcagatg aagaaagttt cttacaaga attcatttgg ggatatgttt 245760  
gtatttattc aggtcctcat gaccagatca ttgaaccatt ctgagactt caaatccatt 245820  
gagatgggat taatgccttt gcctactcag gcagaggaca gactgacat tgcaagtgtt 245880  
catcagcatt ttctgtctt tagacggaaa ggccaaggcc accccaagca tgctgaaatt 245940  
aatgggcat cgtcaggaag gagttcaca ctgtatatgg agccaggtaa ccgcttttca 246000

tttccgtta gctgaaaaaa ctactagttc aaagacattg atgtaagtgg cacaaggggc 246060  
  
 atacattctg caatttgctt ttagcagccc agcaagatga gattttaaaa actttgtggc 246120  
 atcttctctg tcatctagaa gagttctttg atttttgcac agctgtcaaa tgtttagtgt 246180  
 ctgaccttct tatgctaacc acatctggag ctctctgaga ctaccaaagg gcctcctgct 246240  
 tctttggttt ctccagtcaa gagcttaacc ctgaattgat tattgtggat gcctgtggaa 246300  
 ccattgcaaa ttccatatga tgaaggtaga cttatacctc tagaagacag aaaagccttg 246360  
 gaaataaagc cattgacctc aaacaggaaa ttctgatgta ttttcccaga aggtttaaca 246420  
 aggaggagca ctttctcaga atcactgcct cactagtcca tgcccacagt tagactcatt 246480  
  
 gtggactgac ccagcattgc cagacacata aggataccag aggtggaggg agaggagaaa 246540  
 atgtgacctt ttacaagtg gggctcagaa aggcaaatgg agacgcttca aatgcatagc 246600  
 cttttgcttc ctgttttttg tttttgtcta attttgtact ctattccagt tttccattga 246660  
 gctagagagg ctaatgcata tgatctaaaa gtggagcata tctagaaact catgccactt 246720  
 caattgcagt ggaatgaaag ctgcatgcaa ggacctagga ctgagatcca ccaataatat 246780  
 tgcactcctg gactacttgt aagaatcaaa tcacattagg gaggttagaa ggatgagaac 246840  
 actcattgca gactgtgagg agatagacaa ctgttcatta ttttctatct gccaataggc 246900  
  
 ttcttataaa tatgaaggct tttttctgca aattttataa actttatgga tctgcaatta 246960  
 atccaaggct tctttgaaga tgggggaaat aaatttgctt ttacaacatc tccaagaaga 247020  
 gaccaaccgt ccagtagatg attagaaaat cagaaattaa ttggttgaac atttttattc 247080  
 tccttgggca tttgagccca gaaaaggag gcaaagagac cctcagagtg agcaaaatga 247140  
 gaaatgagag ggaaggagga gacagaggag aggtctgaga aaaggacaag ggttgtgagc 247200  
 cagaagcttc ctctgtgcta agtcatttaa ttctgtgtgt caccttgtga ggagtgtcac 247260  
 tcagctgtcc tcaagtctg tacactttaa tatcccaaag tgggcttggc agctcatctg 247320  
  
 cgcagagatt ccagcattct ctttaatacc accacggatc tggggtgttt gttttgtgtg 247380  
 tgatagtgat gggttattct gtcaaccacg caaagtagaa gtgcctgcag ttaggttttt 247440  
 glattaagta gcaagggttt tttgggggga tttgttttt ctgcagttgt atatgaatag 247500  
 tccattttac aaaaaagagg ctcaataaat ctaaataacc ttctcagttt attatgatac 247560  
 taattacgaa cacagacctt aaatacagaa ctggaattga aactcagggc tgtgggcctc 247620  
 aagtcctctt atgttctgat ttgccgatg gtctgttaga agagaccagc tttgggcca 247680  
 ttgataccct gggacagtgc tcctaagct tcacagcaa aagattgttg cttgtgcaat 247740

cctgccctca gcaagtggac atttgggata cattagggat ggatttcaat ggcttcctgc 247800  
 ttcctagagg agaatgatg agcagaagcc ttagctccat gcaaaatatc agctccttct 247860  
 gacattgctg gttccctgtc tccctactct gggtttgcaa tagataagga aagggcgatg 247920  
 gtactcagag gaacttccaa tcggcaacat gccttaaatc ttagtggcct tgtggcattc 247980  
 atgaccaaac atcgtcacag ggaacactc atttcaataa ctgtaaagaa gtgtgcctga 248040  
 ggaatactga gctcaaaaca catttgaaaa aggaatttga gaagggaag caatgaaagg 248100  
 aagacagtgt ttaattttt atttgtttta gtattttcaa gactctgata ttagtacta 248160

atagtaaata attaaaaaa agtttaaagt tcttgagggc acagaacaaa agcttttgag 248220  
 ctgggattaa attctagctg cttttattaa aagttttgt aggaatccac agggacgcta 248280  
 ttgagacat gtctcatcat tcactgatta gtagatttct tgagctgtga aaatgatttc 248340  
 ttctcattga tctgatacac agggatggaa cgtcaaaag aacagggcac gtgagtga 248400  
 ctgcaaagca ccttggaact cacaccta atactctttg atgaacaaga ctataataag 248460  
 attgagacag atgcgttttt aagacccaaa cgtaggctgg gggtggtagc tcatgcctat 248520  
 aatcccagta ctttggaagg ccacagcggg cagattgctt gagcccagga gttcaagacc 248580

agcctgggca aciggtgaga ccttgtcttt acagaaatat aaacattagc tcagcgtagt 248640  
 ggcacatgaa ttagtctat agtcttagct aatggggagg tcgaggtgga atgatactt 248700  
 gagtccagaa ggtggaggct gcagttagct gtgattgtaa taccgcactc cagcctgtct 248760  
 aaaaaagaa aaaagaaaa aaaagatcct aacataatga gtagttttt tgttttattt 248820  
 ttatatagag cattttaatt gatttttctc ctctataac ctttaactc ttacctattg 248880  
 atatggttcg gctgtgtccc caccacaaat tcatcttgaa ttgtagctcc cataattccc 248940  
 acatgtcgtg ggagggaccc agtgggaggt aattgaatca tgggggcagg tttttcctgt 249000

gctattcttg tgatagagaa taagtctcat gagatccact ggctttataa agggcagttc 249060  
 ccatggacac gctctctgc ctgccacat gtaagacatg ccttcgctct tccttctcct 249120  
 tctaccatga ctgtgagggc tccccagca catggaactg tgagtcatt aaacctctt 249180  
 cttttataaa ttaccattc ttgggtatgc ctttattaat agcatgagaa tagattaata 249240  
 cacttatctt gtaatatctt taattctcta ggaatgcaa gaatttaac tttggtgatc 249300  
 aatacatagt tgtaaatatt atggaaaagg aaaaagaggc tgggtgtgat agctcacacc 249360  
 tgtaactca gcactttggg aggcctaagt gggcaggtca cttgaggtca ggagtttgag 249420

accagcctag tcaacatggt gaaacccat ctctactaaa aatacaaaaa ttagctgggt 249480  
 gtggtggtg gcagatgtag tcccagcttc ttgggaggct gaggcaggag aatcccttga 249540  
 acctgggagg cggaggttgc agtgagccga gattgtgcta ctgcactcca gcctgggtga 249600

cagagtgaga ctctgtcaaa aaaaaaaaaa aaaaaaatag gaaaagggtg gggtttgtga 249660  
atcaaacagc caaggatatg gacattacaa acatggaatt gcaatcacac aattgttctg 249720  
tttaatttct taactaactt gaacttttgt tttctcaatt gtgagatcag gatgacaaca 249780  
cctctctagt aggattgttt tgaggattca aattgagagc ttatataaaa agagtcttga 249840

atgctgccta gcatgtagta agtattaaaa tggtcatttt cttccccctt tcctacactg 249900  
aagtgcctat aattacgac actgccaatc tgtttttcaa catagcattt ggagaacatc 249960  
agaggcaacc agatgaglat ttaatgaaat taactgatca tctcatttat ttattcaatt 250020  
aatatttaat tttagatatg ataaatggaa tgagctagca taaaacatat ttacttgcta 250080  
gggtaatttc ttcttggaac ttaagtgcct ttgactttca gtcaaagaac tctcttttga 250140  
gagtcaacta aatcaaactt atggaggaaa aaactatcaa cataagattc tgttacttgg 250200  
ggggttgatg tgggaggatg ccttgagtct aggaggctga agctgcattg aactgtgac 250260

ttaccactgc acccagcct ggccaacaaa gtgagaccct gtctcaaaaa aaaaaaaaaa 250320  
agattctgtt gtcagttggc tgatatattt tatttctacc tccagtgaac atatatattat 250380  
aaacataaat tgaacacata ttgcctatct catatataca tgtgcatata tatatacaca 250440  
cacacacaca cacacacaca cacatagcat ttgttgcata tatgatgcaa ggtgcttacc 250500  
ccagcaggaa aggtttgcag gctgatcttt gaaactacat tgataagagg tagagtgaac 250560  
atacatttta gtttttctct tttaggttta atttatatct gctgacttga tgcaattatt 250620  
aataaaaactt gcttgtaccc tccaagagat tccaggagat ggtaagaagt gttcggatga 250680

tacagtacat ggtcatccta gtaacaggta tctctccea ggaatagggg ctttggtcc 250740  
ttttgaagga tcttggaag tagttgcctt gaccatttct tgctcagggt cgggggttca 250800  
ttgtgaagc ctctggtgca gcaacagctg ggctatccaa ggggttgcta tgatgaatgg 250860  
aaacatgcag ggcagcgaag gctggagggc cagataatgg atgtccagtt ttacaggatg 250920  
tactcatgtt aacagttcca ttgctaacta gttaaagatc agccttatga aaaatgactt 250980  
cccacttcca gcttccaagg aacataaaaac tgtgcaaaga cagatgagat gatgctttga 251040  
gtaatcctta atgaaactga tttgagaaat aaaaccattt gtctctccea ttcgactgcc 251100

tcttgttatg taaaatcgct gtgtaatcat cttaaaccag aatggactgg agagactgag 251160  
ggacagaaac tcttgagtct tatgtttctg tcatccacag ctgctcatca ataagaaaga 251220  
agcaaatgtt gcaacaagca ctttctcatg acaatactga acattcacgc ataacttgag 251280  
aaaaatcttt ccacgattt gtgagcactt gtgcaatgcg tttggcccag tgattcgctt 251340  
tgatctaaaa agtcaggagg caagtctttg gcagaaacct gttgttacc tgagtaaagt 251400  
aactctggag ctacgctcat ttccaactgt ttactgttca gattcttggg ggtcttaatg 251460

cttggcacct atgctgttga atttgccagt ttcacaattc aatcggttat taacacagcc 251520

taaacaactg aagattttta acgtggcctg ctagagaaaa ccctggataa ggagtctggc 251580

aatattatit tctagttctc tttgtgactt ggaaaattca cttcacttcc ttacgcccc 251640

ctttaatcac ctggaaacaa ggctcacgtg gctcacagaa gtgctttgat ccagaacacc 251700

agccgttctt tctgcatgcc ctgttctctc ctgcatgcct gactgtactc ctggcctgtc 251760

ctccctgcac cacgctttct acaaaaatca atagcatttc gagaggcagc acaggtgcca 251820

gttttgccat acgaaaattc ctgtttttct cccaggttct ttgaaggaaa tggtttgtct 251880

ccttcaagct tgtaaacgtg ttatctctat tctttcatgg caatatccat gctactgctt 251940

tgcacatttt attattgttc tcaagagcat actagctgtg ggctggctct attgcacctt 252000

catctacctg gttgccagag aaagaagctt gcaagtgttt ttttctgtc catttttaga 252060

gccacgttac aagtgttcta tgtgattcat ttcacttgca tctggttttc tttctgctgt 252120

ccttcttttt cctctgcctt taactttcct cccaaatccc cgatcacagt gcaatttgca 252180

taatgattcc taattcctta gttttctctt ggaccctgtc gtacctttcc agctctattg 252240

ctactgactg gtttgttcag gctcttctaa tcattatggc tgggtgaatt ttcttctaag 252300

aggcttttcc aggccctctg ctaacaatga tctataatgc ctctgtagat atttttatit 252360

atitattttt attattatta tttttttgaa acagggcttc actctgtcac ccaggctaga 252420

gtgcagtggc accgtcacag ctactgtgg cctctaactc ctggacaaaa gcgacctcc 252480

catctcagtc tctgctgtag tggaaactata ggcacatgcc gccacactg gcttggtatt 252540

tttaggagag acaaaatttt gccatgttgc ctaggctggc cttgaactcc tgagctcaag 252600

caatctctct gccttagcct cccaaagtgc taggatgaca ggctgtgagcc accgtgtcca 252660

gcctgcagtg atttttctta aagccctttc ttaaattctca tcagcttgct cctgtttaaa 252720

gtctatcagg gaccctttag tgctgtctg cagggtggc tccaaaggcg tgtaacatga 252780

gcacttgtat aggaccctg ggcttagaag ggcccatgc ctggtttatc gttctgtagt 252840

cactgttttg cgtgagatc tgcagattat ggagtcagtc ctgtatttgg ttagcatct 252900

gagtcacata aagagccttt acaaccatgt ggccacctcc cctcatgccc tagtcactgt 252960

tctctgatcc taagccctat gctttctgt tcttcccat gtagctctcc cccagttgtg 253020

ccatttggtc tagttgggtg tgttcatgca acaacaattc agtccatgtt tctgtgtgc 253080

cacagattgt cactgggtag tggaaataca gagatgaggg cagaaacttg atttcacaga 253140

aaaaaccaac tatatacaca taactccaat acaatatggg aaatgcaata aaagagaaat 253200

aactgataag ccagttacac aaacatacac aatgtatggc ttctgtttgt ttgatgttta 253260  
 ccaaaataga attattglat cttacgggta cccatctttt acagtccttc taccgacttt 253320  
 tgtaggtttt tctcattgtt tgctctttta aaacgacaca catctttatc tgcttctttg 253380  
 ttttcttact caacaattcc ttgtgcaaatt ttctcctaaa ccaatgatta aaacaaagtt 253440  
 tgggattatt ttaagaatct tcttttaatc atttgtttct ctcattagaa cagcaagctt 253500  
 aaagttcatt ttcatcgcac tacttttagaa gggaacatta aatagtagct gttttccaac 253560  
 ttgagccttt tigtatttaa aattaaacat tcagttctac ccttgtactt attctttcag 253620

ttaagcaaac tagcatatta ttggaaatt ttgttataaa tgctggcttt cctttacaat 253680  
 ttttttctca aaacatctgt ttagggagga aacatgtaaa tcgtaagata attccacaaa 253740  
 tgatgttcag atgaaaactt ttccatctcg gcctaatttt agagccctgc tacaaatatt 253800  
 ctgtttaatt aatttcactt gcgtttgggt tcctttctcc tgccttattt ttcctctgcc 253860  
 caggggcagt cagatttttc ctaatgtttc ctctccttcc tctgtgtacc ataggtcact 253920  
 gtagactcca tggttctctc tctgtgtttg cctggatctg cctgcaaaag tgcaactgcc 253980  
 tctcctttcc tcttagcta ggatggcagt tggcaaattg agcctgacat tttcttagag 254040

atgtgcagag gatggcagtt ttaatttcat ttaaatttta ggaattaaaa gtccttattt 254100  
 ttcccagtct gattactaa tatcttgggt aaaaccttat ttctactggg tgcctgggga 254160  
 tgtatcaggg ggcaggatga atcagacagc agaatctgtt tgaggttgaa aacaaagcag 254220  
 agactgaaaa gcccgagac attctggacc cttattttct gttgtctttt cttcttctgt 254280  
 ctgcgtgttg aatgccttta tcccatecc atcctgcacc atgccacaga tacacacatt 254340  
 ctagtgggaa gcgattcttt cagattcttc agaccttctc tctaacctca ctctcaacg 254400  
 cagttgtctg ggatcatgta ggcaagaaaa atactcgatg ctgtattctc tccaagacct 254460

tcctttgtag cactatccca aactgttatt gctgatttat ttgagagagt tcttggttaa 254520  
 tgtctgtctc tctactgggc tgcatgcttc tagaagacag agcctaccat agagaccaa 254580  
 atacataagg tctcaggaaa tcagtattgc ccgacagaaa cttctgcagc gatgggcatg 254640  
 ttctgtattt gtctgtcca ttatcatagc catgggcgac aagtggctgt tgagtattca 254700  
 aaatatggtc agtatgactg aagaatacaa ttttaaattc tacttaattt taatccattt 254760  
 aaatttcatc agcctcatgt tactagtggc ttccatattg ggcagggcag actgaactag 254820  
 gttagtagat gtgtggatgg aggaaatcca aggaagtaag tacctgggta tgggattaaa 254880

ggagagtcaa agtcatcact gggactattt ttgcattttt tttattctca acatacaca 254940  
 ccacccctcc ccgccctcc gtcccccaac acacacacca gcttgctcca ctggctggat 255000  
 tgggttgaat tcaagagggtg gaaatttgta gcctccctta ttggctctga tgtctttgct 255060

ctcaaccaga gaaaacacta ttgccgttgt acagggtgtg gtcattccca gccctgtttc 255120  
acccttacac gtgatcctgt cttcctctgg gtgcaatgag gtcgtcatca gtctaagtat 255180  
gttggagtgg tccccgagt caacaggaag tggcaaatcc ttgctgagt agttccctga 255240  
actgggagga tatcctgaac atgctataac ctgagaaagc acatgtttat ctgcagcat 255300

aaaagccctc tgttggccat acagtgttg ttaatccagg gctctctgta agcctgactc 255360  
agtaggtgtt aagtaaagaa atgaatttac tgcctctgtt cctgtaactc atgctgactg 255420  
tgcacatgcc tcaactggag gctggttttt gcttttccaa ggggcatgtt tctaaggaga 255480  
catttatctg tgtgtatcaa agaatcattt gccttggatg acatcactgg tcacagccca 255540  
ttctgtctag ttcttattt aaaggagcca agtctgaaag gcctggctta gaaagtittc 255600  
accttcaata gttgtgtcaa cgggagagcc tcagcatgct gttctgaatg gagggccagg 255660  
tgcaactgtt acatgcagac ccagaagata aaagttgggc ctacaaatgc actccttctg 255720

cagatgagat gccagtctca ccaggccacc tgggagcgaa agggctttct gaccttcattg 255780  
aaaacccaac acaataatct caagaacttt ttcaaatat ctattttcct gctgctctcc 255840  
tgctggttca atctgggag cttaagtagc tgtgattgtc cctgggaaat ctgcttttta 255900  
glataactta ttggatgga aaaaaagcca tcatctattt aaagtttaca tgcacttgcc 255960  
cctttgatcc agcaattcta cttctaatag ttatagaaat acttgcata ttaagaatag 256020  
atatatatgg ttattcatta gtgtgaaaaa ttgaaacca gaaaaatgcc attaataaat 256080  
caggatgcaa taaatcaagg tgtgcagatg gaaatggcag aagttgcctg ctcacttccg 256140

tttccattc tactttttt tattttctaa tcttaattc ttgagtattc ataataaaat 256200  
atggctttat tcaaacaaag attgataagc atcgttgtga ataatatcaa taatatttga 256260  
aatattatca aatttattt tcatatttg atgtaaaggc tctgatatgg tttggctctg 256320  
tgtctcacc caaatctcat ctggaattgt aatccccaca tgtcgagaga gagagtgat 256380  
tggatcaagg aggtggcttc ccctctctg tccttgcat ggtgagtct catgagattt 256440  
gatggtttta taaggggctt tcccaattt gctgtcactt ctctctctg ccatcatgtg 256500  
aagaaagtcc ttgcttcccc ttgccttaa ctatgattgt aaagtittct caggcctccc 256560

aagccatgtg gaactgtgag tcaattaaac ctctttcctt tataaatgac ccagttttgg 256620  
gtagtatctt aacagcagt gaaaacaga ctaatacagg gtttaagctg gggaccgggt 256680  
taaaggaatg accatcacta atgctaacca aggcagggtt taatgagtga ggcaagatta 256740  
ttgaggctc tcaagaaaaa tacaatata tttctgtacc agcagaccgg actgagaaaa 256800  
ggggactgga agaattctga acagaccaca ttttaactt gaatttgact tagtaatgag 256860  
aactaattat gaagaatgag ctgtttgaa ctggaaagg ctaatactt aaagtcttga 256920

gtaaggag

256928

<210> 17

<211> 6460

<212> DNA

<213> Homo sapiens

<400> 17

```

gaaaggatct ccgttttgca ttgtacttgc cttccacac acttcgcaag tgaaaacttt      60
gggcttggca ttaggagagc ctcggtgaa atccgaggtt ttgaacgcga ttttttcga      120
cagaagctgg gcgttttctt tcatgtaatg ctgcagctga gcctgggaca ggtctttgaa      180
agctactcca gaagggtatt tctccaccgc cgggaccacc agtttattcc tttcggctaa      240
atacgttttt ggctgcgggt gcaaagggga actgaggaag taggaggcca cggggtggat      300
gttcacgccg gctgccgggt ggcatgggcc gtcacctcgg ttcaggtagc acaaggcgcc      360

catggcgtgg aatgaagagt ggttgaccac acgcggcctt accagcttgt actgctgcag      420
cggcagcgcg tcgcgggcca ggctgccctt gagactcagt gcgcagttga gcaggtcgct      480
gcagctgaat gcgggagccg agggcaccgc cgcgggcgcc gccggggcct ccagactggc      540
cttcgcggcg tcggagcccg tcaactcctgc cttggggctc gtgtcgtagg ccacaggcac      600
gaaggggatc atgcagggga tcgacgagtt gagatgcaga gattgcttgg gttccccctt      660
gggtaaggct ccctgcagga agtgggggac tggcagggcc ttgggctctg gggctgcgcg      720
catgattcgt tcaatggaga aagccaaggg ttggacgtg ctcacatgt tgccccgagc      780

tggagcagtc gctaacatth ttgtagtcgc gttgtggcag ctactgtcca tgtctgagtc      840
gccagcgtec gtcagccggg gctgggttgc gccgtccgtt gccttggtcc ctgcttgta      900
cagacctgcg gagaggggga cgggcaccaa caccaccagt agcctcctcc tctcctcct      960
ccccagcatc accagccgaa cctgcctgcc cagcccaatg gactcctgcc agcccatcgc     1020
agagttcttg gcgcaccaat gactcgggga caatcactac ttatttctat caatagaaag     1080
tgttgtgtca ataacgcagc caagatctcg ccaatcgtta acttccaaga ggagaaggta     1140
aactagataa ttgctcaatt cgcttccaac agtcaacagg aaaacttttt ttttttcat     1200

ctgcagtcag taactacttt tcatgttgta gtgaggttcc ccgccagaa aaggcggggg     1260
cgctttcacc cgcttggcgc gccctcccct ctgcgcacac actctgccgc gcacattca     1320
ctaccctcgc cccccccca tcccccccc ctttttgctt cctctgcctt tctaattctc     1380
aatctgttta accaggtctt agaggccaag caaatctgag atcaattttc tcgttttagct     1440
ctaagtgaca tcactataaa tcatgttgca agggctaaat aaggaaacgg agtctaattc     1500

```

aggggcaaac gccaggctat atttatcaaa cgccaagctc cagaaagcct cggctaggaa 1560  
 gcctcgccag tgaaatccga ggtttcgctg cttggttcca ctgggcctgg gtgggccggg 1620  
  
 ctgggccggg ctgggccggg tcagatctgt gccacctccg cagacctatt tcttctcca 1680  
 gggctcgggg ttgcccgtc ccggaatccc ggagtctccg cggcccgaac cgagtctgga 1740  
 ccatttagaa gacgccgga ggtaactggc ctcccaaac gccccgaaaa ttaaaagcct 1800  
 taggagcctt gttctgtgt tgtggttttg taaaggcaat gcccgcgga ataggcctgg 1860  
 gaaagtcga cttcatcca caaagttgag gatttgcaag gaataattgg gtgtcacacc 1920  
 acaagcaacc ttgactgat cggacccac ccaggatata cacagacgc gcgcgcgca 1980  
 cgcttcgag tticcattga gagtctgga agagcatttc tttcttaagt acctgcgctc 2040  
  
 agctagagct ctcccggagc attttaaata ctgaatgccg agcggagaag ggaaacagag 2100  
 tgtattaate ccactccgg ttgccgtgt ctgcaagcct cctctaagca gcgcaggcgg 2160  
 cagcctggat gtctgtgcgc atcaaggaga ctgccggcg ccagagtgt gtccacaggt 2220  
 gcacttgtgc ctccaaaga gcgcgcgtag agaccatttc ccctgcaac cccccagcc 2280  
 gaacaccgc cgggtgtggc acctcgccg aaactcctgg ggccgcgcgg tggagcgtgt 2340  
 ggaggtttc gggaagacgc ctacggctgc ggctccgact gtgcgggctc ccgccccca 2400  
 ggcaagagcg tccaggagcg cgctggaagc tgcggcgcgc acctccccg gcgcagtcctc 2460  
  
 ttgccagccg gcgatcacgc agagctgaac cccgcagcta ggccgcagg aagggtgca 2520  
 cagagtttga agacacgga gctgttaagct ggctgagga ggccaaagga gcgcgcagag 2580  
 ctgcaagcaa agggcggtgg ggcctggacc ctgaagtgag tggccgacc cagcagctca 2640  
 aggtgccatc tgctgtgta gttacccca cgtggctgtg agacaggtgg tggcgggtgt 2700  
 caggtattgg gccaaagtga gtgggggcgt cttctgcta gagctctgaa aagggttggc 2760  
 cccggaagcg tggataacgg cggactagaa acctggcat tattaagtcc ctgagcaatt 2820  
 tcaactaaag atgcgaaact ggaccttaa cgaaggaaat tgacgtcaaa gtattccctc 2880  
  
 ctctctacc cattctcaac acatgccagg caagctacce gggctccctc gcccactct 2940  
 aactttccgc gaaaatcagt tccgctctg cccaagagc caagagggt ggaaaggaag 3000  
 agagcttggg ctgggaacgc gcctgatgtc taacagaaag gcagtgccag ctgggtgagt 3060  
 ggtgggaaag ctacacggt gaagaaatgg gggaggggga gtgagctta ttggaagttg 3120  
 aggacagcca aggggcaaga tggggggaga ggtctggctg aatacgacgg gcttcagcag 3180  
 ctaggcctgg gattgcctc tttcaggcct cgaggtggct tcaggctggg acaactgatg 3240

cagcagagaa gggcagagcg cccgggggga gaaagcaaag aggcgctaca ctccaaggcg 3300

gcccttttga accgtccttg gcccgggtgc acctactttg gattcgccca gactgcaaat 3360

ttttctttcc ttttgcctgg gccacgggac agagcacctg ggcagagcaa gcggagaggc 3420

gccacatccc cgagaggcgc ttcgtagtig tccttggacc gggcgagac actcagtatt 3480

ggtcagcgct ggaattttt tttctttttg ctgttggggc cgcagaacca gtctctctct 3540

ttccctgct cagacaaagg gcacgggaag ggctttgctg gggcaaaggg ggggtggggg 3600

ttctctgtcc cagcacagat gggctgcggt taagacttta attgctgact tttgggccgg 3660

atcagattcc ttttctacc tgccattcc cagcagcgaa aaatccccct cctgctgcac 3720

tcctcgcga cccggctagg ttgaaaggaa aaagccaaga agcgcaagc agcccggctc 3780

tgaaggctt tggagagtc agctgacttg tacacaattc gcggcctctg gacccctacc 3840

tgcttcttg actgaatgcc accagtctg tttacgttg tgggtgtgct ctcactctcc 3900

ccttctctc cccccctcc cctctctta actgcaaaag agcctttctt tgacctctgt 3960

aaatttctcc tttggtgat accaaactaa aaaggaaaaa atatggcta agaggatatgc 4020

atgctttgta tagtttatat ttcaacagtt tgcctttcac tagtcttttc aggatttgcc 4080

cttttggcaa gtgtttgaaa atgtcatttg agttaacaca aatatggcaa agcatcaatt 4140

atgctcttcc ttaagatgg ccttgagttt actaaagact gaaaagggtgc tttacaactc 4200

caggccttga tatccaacat ttgttaattt tttcaaaacc taaccaaaaa cacatgttaa 4260

ttagtaatac tatctctatt aaataagaat tgcacaaaa cacaaaatat atttagaaag 4320

ggcttctatc ttaccgtcca atctgtctag tactttatit ccaaataat ttgaaaataa 4380

caaaaaaggc aataaaaaca gagtatattc agcaaattca gaagctttca aaacgtttca 4440

atgcaagtat ttttagtta ttaaaacaaa tgcaaggag ccttgtttgt tttgttaatg 4500

gcaaataga aactcttaca gtttctttgg attttcttg agaactctat aatcctattt 4560

ttttgctgag agctgatgat taagtgtgcc tccccttcc atccatggaa aggcagtatt 4620

tataacctca aatcctgatg gaaggcgagt ttcagtgtat gatttatcct ttatgaaata 4680

tcctgaggaa accacagcag ttcatgatat aaagaggcca gataacaaac tctgtgttaa 4740

gatctattta aaaaataaga aaaagtcctg cttttctaaa gtaatttaaa attctctttt 4800

tctaaggaat ctgattttga cttcaatact ttctaagctg tgttcttctg attactaaaa 4860

aatattcatg attccacag gctttttgtt gaagtcctta tcataagcaa atgcagtttc 4920

tggctatggt tactgcaatt cgaaataaaa ggtaataaga taatagagcc atacattacc 4980

aaataagcca taatctctaa tctcttattc cttgatatgt cacaaaatac tattgatttt 5040  
 tttaaattaa aaatggattg gaaaatatta taactaattc cactttctgc cctagttcat 5100  
 tgacttgtec ctggtcattg ttttagagtt ttttgccctg ttcaacgtct ctgaccccca 5160  
 gccccttcac caagagcaac agtcctgctt cttcttgctt tagcttgtga gctaaggag 5220  
 gagagacgaa agcattatta ttattctgac atcacccccc accccagcct tgacattcaa 5280  
 gcacatctac actttttcct gtttaataca tagcaccaaa ggcaacacac tgtacttcta 5340  
 gaaggaaaaa cacgtttttt aattcctctg cgttttctgc ttatagtctt tatctctggc 5400  
  
 tggctctttg ttatttcttt tgggtgtgtga tggaggcagg gtgacgggat gggacacaaa 5460  
 tagcaaaggt ctataaggtt caaggaaaga gtttctgaat acctcagatt acttaataca 5520  
 caacgggaac taactttcca acacgttagc aaacatattg gcaacaagtt caaatttaag 5580  
 gctactagtg tgcttttagt tagtttggtg gcaataaag aatttttgc aagttcctaa 5640  
 agcaatgtga aggacagtat cacaggttat aaatgtggga agggttgatt aactcacaga 5700  
 gccctcctct ctttggggga agaagtgtga ggggtgatta tttgtctcta gaccttgtt 5760  
 gttattattt cttttatatt aggatttcat ttaaaccag tgaaattatt tctctcaaaa 5820  
  
 cagcatttac atagcaaatc agtttgtgaa aggaaatgaa gagcccaat gtgagagctg 5880  
 ttaatgaggt ggcaggcaat acagacagcg agcacttggg ctcagtttgt ttctgacct 5940  
 ccactaatgc tgagattttt ctcaccatt ccacaggcc tgtgaggtgt gtccctccag 6000  
 actgagaggc tatgactcag ggttggactt tatggaaaa aagaagtta taaaacaagt 6060  
 aaccagttt ctccaacctt tactgtggag caacagcgtc aagcaacaaa acccagcaaa 6120  
 gttttgcttg tcacttaca ggggtgttact gaaatctgga aggcaacaa ttagaagata 6180  
 gcccaaacat gctctattgc tctacactga aatacttgcc tccaataata gaaaaaacct 6240  
  
 gttttcgtgc aattgattga ttagcgttct gcagcagtec ctggacaatt ttaaagacat 6300  
 tttgtgtttg tggccaaaat tagaacaag cagacacaca cacaaaaca ccatattcaa 6360  
 gacacggttc gactgtttcc ttgacactac ccacgaagtt taaagcattt tttatgttat 6420  
 tticaaactt tcttaagtga tcccatgaaa taaaagtcga 6460  
  
 <210> 18  
 <211> 98064  
 <212> DNA  
 <213> Homo sapiens  
 <400> 18  
  
 ctgaggagtc aacaggtgag gtgggtgctgg catccagaag cagctgttca tgctgggcga 60

ggtactgggc agggttctgt ttggccagtc ttgcgcagtg gaggagctca cgctgcagca 120  
  
 ggggcaagtt ggctgcaag ggaatgacag gaatgagagg acggactgaa agttttcttc 180  
 tgtcctgttg acttactctg cttttcgaac actggagaag agtatgcaat gcagctacat 240  
 caaaggtcaa atgcatgcc a tgggctggaa ccacaggcac aattctcagc actgggctac 300  
 catgtgcga gattgcccta agtgtgaggt gactgaccct tgtacatcac ttacctctc 360  
 ttttatttct tcaactgataa cattgcaagt ggcacattat ttttagggtc cttttatact 420  
 tgaatgtatg ttctacggta tgtgagaacc tagctccaat cataagaact ttgtttctcc 480  
 acaggaaga tagagggtat aaaaaatata tacacagtcc aattaatttc agaatagttt 540  
  
 ccctgacaca ctcaattttg tatctggtga ctcaaaagg tcaagcaggc taatcccaga 600  
 aaatatcttt tgtcaagtac taacttaatg aaaatacact taaaaatata gacatgaaca 660  
 tagagattat tttccatagt catcaagttc agacaatagt taagtaatgg cctgggtaca 720  
 gtcacatata ccagatggaa ttaatgcata aagcagtata ttctagtagt ctacaaaagt 780  
 aaactgcctt ctttgtatca gtcttattct aaggaatgaa tacacacaca cacacacaca 840  
 cacacacaca tattttctct aatgttagaa gaaatcctgt atactggtca ctcttctctc 900  
 tcagctaggt cagcaccttg aataaagaac gggctggttg ataggctgat cggtaatctt 960  
  
 ggcaatttca aatgtaataa gagagaaaga ggcaatttca cacatagtaa aggcattaaa 1020  
 atgaaaacct aagaaggcat ttactctga acttactttg acattataaa tccagattgt 1080  
 cattgcttct tctttctctt atttttatta ttgtttgggg aggggcagta agggagagga 1140  
 aaggagaaga tactgggaag agtgaacagc actcatcccc aatcacactt aattccagga 1200  
 aagatcaatc acataaatct ctttgcaact tgaagatttc attttagga accaggtgcc 1260  
 atgtacaccg attaacccat caggtagaaa agcatttctg aatacaggag aggtcccagc 1320  
 tgcctcaatt ttggggccca acagccttaa aaaatagcct tctagagaat catggacagg 1380  
  
 aactacggct ggctacttgt acctcaaatt cttttttttt ttccttcagt gctctttatt 1440  
 tctttatgta gagccaagtt tctggcctat atcattttcc ttactctga agaactcctt 1500  
 ttaacttttt tttttttttt gagttccagg atacaggtgc agagtgtgga ggtttgttac 1560  
 ataagtagat gtgtgccatg gtcgtttgtt gcacctatca acccattatc taggttttaa 1620  
 gccccatata tgtagctat ttgtccta atgtttctct cctcaccca ccaaccgccc 1680  
 tcaagtcagt ttctaagag tattaatcaa gaaacctct cataatcaca ccaaagcata 1740  
 tttctacaca agatataaaa tactaggata ttgctaaag ataaatgcat gccatacact 1800

gtaacaatgg aaatgacttc ctacaggata acaatgctaa aattaaactc ttigttaatta 1860  
 glaaagatga acatgtgggt aatatattgt atatatTTTT taaactatTT ttgtcctca 1920  
 gtaaagagag agcttagata ctttgtgtca taaaataata aagcaaaaat aacatttcta 1980  
 tgtgaacatt tttaaagttt ttaaaattca tcttgggctg ggtgtagtgg ctgtctcacg 2040  
 cctgtaatcc cagcacttcc agaggctgag gtgggtgtat cacttgaggt caggagtcca 2100  
 agaccagcct ggccaacatg gtgaaacccc attcctacta aaaacacaaa caattagctg 2160  
 ggtgtggtgg cagcacctg taatcccagc tacgtgggag tctgaggcaa gagaatagct 2220  
  
 tgaaaccagg agatggaggt tgcagtgagc cgagattata ccaccacact tgcctgggca 2280  
 acagagcgag actcagtcta attaaaaaaa aaaaaaatca ttctgaagta cagtcatgca 2340  
 ctgattaaca atggggatgc attctgagag atgcattgtt acatgatttc gtcacgcaaa 2400  
 catcaaaagc gggtaactta acctagtact acacacctag aatatatggt atagtctacg 2460  
 gtccttaggc tataaacatg tacagcatgt actgtactga atactgtagg caactatagc 2520  
 acaatgacaa gtatttacat ctctgacat agaaaaacac ttcaggaggt caaggcaggc 2580  
 aggtcactta agcccaggag tttagacca gcctgggcaa catggtgaaa cctcatctct 2640  
  
 acaaaaaata caaatcgggt tggatgcagt ggcccatgcc tatagtccct gctattggga 2700  
 ggctaaagtg agaggactgt ttgaacccaa gaggtcgagg ctccaatgag ccatgaccgt 2760  
 gccactgcac tccagcctgg gtaacagagc gagactttgt ttcaaaaaaa aaaaaaaaaa 2820  
 aaagaaagaa agaaaaagaa aaggacacaa taaaaatatg attataatc ttatgggact 2880  
 accattgtac atgcagtcca tcattgtctg aaacattata tgtagcacat gactgtatat 2940  
 gcataagatt taaattgtcc aaaacaatac actgcaaagc tctctgtctt tggttcttta 3000  
 gggatcccaa agataagaaa tcctagaaca agaaatggag taacaaatga ggagacaaaa 3060  
  
 aacagtatct tcaggactct attagcagag catgatattc agaacgatga ggaagcgggg 3120  
 gggaagtga gactgttgct tgactttact aatactgtct cccacattct tcttatcaaa 3180  
 aagaattatt tgggtgccac atatctctct ctctctctct ctctcacaca cacacacaca 3240  
 cacacacaca cacacacaca cacacgagac tatgtgcat tctgtattaa atagagtcag 3300  
 ctgggacctc aggtlaaaggc tctatctgaa catatagaga ctttctaaa acaatcatat 3360  
 tccttctgtt aagaatgcca gcaatattga accaagcagg caaacatagt tatgccagct 3420  
 cagagagaca aattcctgaa tgataatcag gagaattgac tcacaggctg gacatcttgt 3480  
  
 gtgcagatgt cttttggcaa agcattcgct ggctcccatc cagaaacagc cttaatatat 3540  
 tcagtacaag agttgatttt taagatacat taaatagtac ttctggagag aagttataaa 3600  
 atgcacatTT atttggctat gtgttataga tagatagcaa tttcttagtt tcaggatgaa 3660

gcaaatatat tttcacaaaa gagactatag aaattgggtg tggttaaagc ataaactttt 3720  
 tcattgatgt ctaaaaatta agatactaata aagaaaagat gctgtatcta tgactgcttt 3780  
 cactgaagaa gttttcttta gaattcatct tatctgtgtt ttggtaggct cctaacctca 3840  
 tgtttaatac attcattgcc acacagctga gtgactaatg ggaaacatgc atgcctccag 3900

tttcaaattt aaacgtatgg atggtacaag acaagaggct tccacacgtg gtactcagtt 3960  
 taatttagcg attccataaa catcttcttc caatttaaaa aatatggtaa tacaaagcaa 4020  
 ttttgtttgc tctaattctg gtgccagatt aggttaattag aatgggtgtc aatctcttc 4080  
 cagtaaatgt tttccataa atgcaaaatg gaatagaggg tctgcgggtt acattagctt 4140  
 aatgaaaaca agactttaat gcatattgtt acagcagtgt ttgaatgcac ttattaaggc 4200  
 ccgagttccc acaaccatat ggtttttgtc attaatgtct cctttgagga aaagcactaa 4260  
 aattagaaaa aaaagttata tctttgattc caatgatccc aactaaatga tatggtaacc 4320

atatggtgtg cagcagtgat agaagaatct ggaagtgtcc ttgtaagctt tttaaatttt 4380  
 ttttggtgc caacttgacc ctgaaaggag cctatttttt ctttcttctt cttctttttt 4440  
 ttttttctt ttttagcaca gaaaccagtg gtatttgac aggaaatggc attcatatga 4500  
 tgaaatcttt acagaaaaca acgctttctg agaaaggcaa agattctagt ctcaacaaac 4560  
 ttgttcaaat tttcaacaa acaatttgct tttaaataag aatatagtat tatagtataa 4620  
 gccattttgg gagaaaacac taacacatta tacctttaac cttaaatgta caacttagaa 4680  
 aagaacgaaa agaataataat tgtaatctgg gttccacac aaacagatct aatttctggt 4740

ttgtaggtac tcacaaagca gaatatitca tttcacctta ataatacaa caggaaagac 4800  
 taatatccag aaagttcaga attggggctc atttcagaca aacctttcta ggcttctgga 4860  
 tacttacttg aaccttatgt gtctgataca gttttaaaaa tagatgaaat ttcacacagg 4920  
 atctgatcag ttatatitct ggtgtctccc aaacaaagtt ctaggaacca gacagaaagg 4980  
 taaatcctcc ttggcaaata attaaatcag aggcttctt gagtgctcat ttgaaagtg 5040  
 accttcaaag gggagtgcac atgaaacttt cacatttata aatctgctaa gcccactgtt 5100  
 agtataaact tattgagaat ccactatgcc caagcaatat gcttaccacaa gtaaaaggga 5160

tcttagtaat ctgcttttct accaaaacta ccagttatit tagtatccat cagtgaatta 5220  
 actaccgct atgtgaata aaaatgttcc ttttttctt tgtgaacttt gtgtttgttt 5280  
 gttttccagt tgctttactg aagcggcagc agttggagga gacagaaagc tcacagcaga 5340  
 gacttaaaaa ccatttcgaa tcccacacct caatcagtcc tcagccaggc acaccttgga 5400  
 catgtcactt actcccaact ttttactgg caaaaagga tgacgggtctg atcttcccgt 5460  
 taagttgtta caagataaa attaggagga taaaaaatc ctgaacaact acaaagctca 5520

accaatcttc tgttcaactct aaagacaagc aaaatgtaaa ataacatatc tcatatgacc 5580  
  
 aaaaaaatga acaaacctt tattcaaaga gacttctaaa ctcttcttca aactttactt 5640  
 cttttcaggt aattatftaa aacactcctt gtaattttca gactacttag gaaatggtea 5700  
 taaatacaat cgattcagat agttttcatc cattaaatta aatcaaagag ccctaaatg 5760  
 tactaaaaaa gcacacagtt atgacctagc aacaatatgg tttaaaatac tttacagacc 5820  
 agtgaactgt gcaatacctt caaaaatggg atgacaaaag gtctcagtgg gaagttagta 5880  
 gcttcttgca gtttggatg aaattcttca attgtcaaag tggagtctta tggagaagaaa 5940  
 tatgtagtat aaatacatta gcctgttggg aaatagtaaa aacacaaaca aattaattat 6000  
  
 taagactggg acaacacagt gtaataacaa gcaaacatac tgacagaaac cagtattttc 6060  
 aataaaacct attgactttg taaaaatgat cacacagttt attgcatcac tcacttctaa 6120  
 aacctacatc tgaaaatgaa acacattatg tatagtactt tgaggataat gtgcatgac 6180  
 actagcatgg ttttaattatc agagaagtct ttgcaattat gaagaatctt ctaatatgtc 6240  
 ctttatggaa aacaaacaca cttggatgta tttaaaagca taacagatca cttaaaggac 6300  
 cgagggcaag tgtcagaatt ctacgtcaag atttatccca cgtgtcacat cagcactact 6360  
 gctggtggaa atattcttct cctcctcctg tatttccatc ttgtattctt tctttgtctg 6420  
  
 ccaaagcatc tttgtcagg gtgaacatca aagttaggta gtgtgctatg ccaataaagc 6480  
 caaagaaaag gtttgacct tctgtgagtc aatgagtttt gtagaagggt aaagaaaaat 6540  
 cccaattatc gaagacattc cacttatcct agaggcaact gcttgacca aacaagacta 6600  
 agcaaaaatta actcagattc acttctaacc taccttatat aaaaaaaca gccccaaata 6660  
 ctgaggattt gtatcctaca atagataatg tgtgttggta aaagcatcta cttaatgaac 6720  
 aacaaagcaa ttataaaggc attgagtaaa ttaacctca tttcattcgt tttctttagt 6780  
 ttctcaggca ggatcacaac tcattctcaa cttcttcagt ccttcaata attctgatga 6840  
  
 ctgacaaaat ttgggaattt gtgacctaac gtcattacaa tattgtcca cccacttttt 6900  
 tgtgcatgtt tctttttata acaaagtaca cgagcaccaa gttctaagtt cttcataccc 6960  
 ccacactcaa aacatcttca tatgaaacta tgaataaaca ataacttcct atgtgtaaca 7020  
 ataaatgtca aggagccaat tttttaaaat ctatcathtt gtttctatga ctccctttca 7080  
 aaaggacagt acttccggtc cagtgcagtg gtcacgcct gtaatcccag tagctttggg 7140  
 aggccaaggt gggagtgtca cttgagccca ggagtttgag accagccaga gcatcaaagt 7200  
 gagatgatgt cacaaaaaaa ttagccaggt gtggtggtgt gtgcctctag tttcagggga 7260

ggctgggaag ggaggattgc ttatgcttgg aaggtaagg ctgcggtgag ccttgctggc 7320  
 accgatgcga atgcattggg tgacagagaa cgggtatggg tgacagagaa agaccctgtc 7380  
 tcaaaaaaat tactaaaaaa aaatgtttta aagaaaaaac aaaaaagaca gtacttccta 7440  
 acattttctt aactccacct aagcatcagc atgatttagt acctaggttc aaatctgtca 7500  
 ctaccagtgt ggtggccttg catattttac ttaacctcta taacctcagt ttgcccatgt 7560  
 gtcaaatgtg tataaaaaatc actccctcaa aaaaaaaaaa aatcactctc tcaaatggta 7620  
 gtcttgagaa ttatgtaaaa tggcttgtaa gccaaatgtt taacagaagt ctgtactca 7680  
  
 atgaatattt actgcctatt atatgcaagt tataatgaat taatgtcttc ccctattttc 7740  
 ctctctaggc ttttagattt taaaaaatat attttttaaa agtatttcac gcaaaagtat 7800  
 gccacttggg aaaaatctac ttaaagctac caagtttttc tgcattttca attatggaac 7860  
 cactgttaat aaagaacatg tcaaatttat aaggcaatth tcaaaaaaaaa aaaattttgc 7920  
 taagaacaac acattcacca tttacttgat acaattatta ctttggattt actttgttgt 7980  
 tccttggctt aacttattta catgttaaaa aagcttatta tgcaaatca agaataata 8040  
 aaaaggaaaa gataagtgc tgacaaaagt atctgaagta tgccaacaca cttttgtga 8100  
  
 aaatcacctt ccgtcttgg aagtttatga ggtggagctg atggactgtg agaaacatgg 8160  
 aagtcttttg ttcttggagt agggaggaga ggcagttaat ggttaaaaat taaattgcaa 8220  
 aatctctgtc aaatgtggga tatagtatt tgaagcatgt cttctgagct agtctcttac 8280  
 ccagacttct aattctgaaa cttcttttgc aaaacacaac tggatggct ttgccctga 8340  
 taggtccata taataaaaat aaataatcta tttcaagaaa gtggagacga ccataaccct 8400  
 ggacaatgaa agaactgcat atacgattca tagcttctcc gtgactcagt ttgatatggg 8460  
 agactagcct tcctaaatc tcgaaaatcc tccacttcta cagaaaatca caacacatgg 8520  
  
 aaaagtgact tagaacgcaa aaaaagatat atgttctatt ttctagtgtg acaatgtgca 8580  
 gaacgtagtgt taatatgcaa aaaccaacag ttctcttctc aaactagtgg tttcggtaat 8640  
 tctacctata acaaagattt atttttttta acaaaaaaga attagcgttt accaggagct 8700  
 ggggataaaa gagatgagga gttactgttt tatgaataga gaaggtttcg gattgaggtg 8760  
 atgaaaaagt tctggagatg gacagtgggt gtggctatag agcaatgtga atatacataa 8820  
 tgccacaaaa ctgtacactt aaaaatgggt aaaatgatga actgtatgta tattttacca 8880  
 caataaaaaa tticaatgtt attcatctta aaaatgacac tagataaaag aagaatgtgt 8940  
  
 tgttacaaat tcttgttcat ctgggccaat gataaaaaat cactaaagca atgaaattaa 9000  
 aatgagcatc caattagatt gagtgtacta acataacaaa accatthtgt catcattgaa 9060  
 aaccactagg catgccagga aagtgtactt actgaaatag tgaaatacac gtgcacatac 9120

acacacacac acacacacat ttatatatat aacatgttta tggccaatat aacaataaat 9180  
 ttgtataacc atatctttat tagtcaaaca gtgagaaaaa aaactctggt ggggtcaata 9240  
 tataatgcag aatttaaaag actgtcacta tagcatgaat cagacttgca cacaatcttc 9300  
 agatgtagaa aciattataa caaaatactt gcgagaacgg tgtctacatg tctgagtctc 9360

ccaccacac tatcccttac accaagaaaa ctgggttggt ttccatttgc ttaccactag 9420  
 tcccagaacg aggggtgcgaa ctctttctcc tatctcgggt gaaatgtcat tgccaaactg 9480  
 ctgcagggta gtaaggaacc ttttcagctt gctgagttgc ctggcaccac aggctggggg 9540  
 cagctgttga ttagccagag aggaggagga agaagaggaa ggcccattgc tgaagccatt 9600  
 ggggtggtgag ggggcgccat tcaaggctgt aggagaatgg ctctgccat tagttactgt 9660  
 caagagcaca aaatcagaag gaagtcataa acttacagag aacatgcatg aggaaattgc 9720  
 caccaagttt cctacctttt acatctacta gttttataag tttttaaatg ttgggacttt 9780

ttaaaaatgc ttggacttca cagggttact acattctcag gtactctata actaaatggg 9840  
 tctactctc atactgagtg atggatcct gcacagaggc tgacaataaa tggagtctgc 9900  
 tgcaaccag ggccagccct gcctcccatg tgcacatag ccaaccacct gaaatgtttc 9960  
 aaaaatagaa cagacagctt cggatgtcag cttttgtcg caggcttaca tcaatataac 10020  
 aggactattc ctttccaaac tgcctcccta gagaaagtgt acatttggtg gagactaaat 10080  
 ttatcattga acatttttaa tcatgtttg tacacacaac tgacagctgt gtttatagga 10140  
 ataggacttt caagttttta ccttcacca cccaattaga aggctatttt ctccccctca 10200

tacttcttaa ccacttcttt aggaaaaatg catattttat gtacaaagcc aaaatggata 10260  
 tgggtgttaa caaggagtta cttcaagaaa tcaaaaaggg acacctaat ccagccaaga 10320  
 gcatggagtgt gtgataatc agtaaatca tttctgataa aatttgttg aacatcaaga 10380  
 cgataatccc tgtcactctg taaccatta atatgtacat taataagtac ataaaaagaa 10440  
 agcaaaaagt tgataatcca taagaactag aattaaaaat ctgcatcggt tgcattaaag 10500  
 aaaatgttga ttttatcatg ttaagtcaat taatttgata agcagacctt tatcaaacc 10560  
 atctttttta tataattttg atatagtttg aaaatgtttt aaagaccatg ttatgcttaa 10620

aagttaatt ttgacataat aaaatggttc tctgtcaca actgagtatc ataataacct 10680  
 gtcaagaaat gccagctcac caggacatct cacaggagac atatgcttac ccctgtggct 10740  
 ttgggttaaca acaaaccaaa tataagatga cacggttaca acttggcatt gcacagtcac 10800  
 ctgctcctta cacatttga aaggtctttt aaatggcagt gcaacactgc ataaacagcc 10860  
 tgagatgcgt actttgctaa tcccttatag tcccaaagat ctacttttgc cttttagtta 10920  
 tttttcattc atatggattt catggcacat ggtgtgcaaa atagctgcaa ccgataacat 10980

ttattagttt cacaattcct tgatgacaat ttcaaccagg actttgagat ttattaaaac 11040

agttactcac tatccctaata gaaatacaca ggaaagaatg ggaagttgca attctgtcag 11100

aattctctat cctttccctt ggactgtact gaaagcaata cactctattg agagaactca 11160

gaacttgagc caagcaggaa tggagtaaag ttttaataag agtctgacag gttcaagaca 11220

agaaagacac gaccgggtgc ggtggctcac gcctgtaatc ccagcacttt gggaggccga 11280

ggtgggagca tcacgaggtc ggaagttaa gaccagcctg accaactatg tgaaaccccg 11340

tatctactaa aaatatgaaa attagctggg ctgagtgccg catgactgta atcccagcta 11400

ctcaggaggc tgaggcagga gaatcgcttg aacttgggag gcagaggttg cagtgagctg 11460

agatcgtgcc acigcactcc agcctgggtg acagagcgag attctgtcct cccctccac 11520

ccaaaaaaaaa gggcaagaaa ggcacttctc acttcagaaa gttttctgta tgatatgtt 11580

gcataatcaat acccttttta acacaaggat attatatatt aacattattt gtaaccactt 11640

gaaatagatg aaaatgggtg tagaagaagt aacctagaaa taataatagc acatttccat 11700

gttccaagtc atgctgaaca aactaaaata aagagctcca cattaagatg aattagaagt 11760

tacagtggta acaactggaa ttacagacca aatgctgctt catttgctaa aatcatagca 11820

gactgcaact tcgaagcaat aatgaaaagg aaggcaata ttggcagtca cacaaattag 11880

acctaagcta tgatacttct gtgctcagta cctacttact ggcaaacaaa tgattttttt 11940

tgggttcattt ctgcataata cattgatgct gaattttatt ttcccttgat ttttcatttg 12000

cagaaaaaaaaa ttaatttaa actttaaaac tgaaactcaa aagcctgaaa tgactactta 12060

cacgttgctg gtgtaaatga actggttctt ggagctcctt gagtagttgg gggaggtggc 12120

attgttggag gaggcagcct agattgcgtc ttcacatcca caggtgagtc tggcattgtg 12180

gagtgtctct cagtacgac tggaggatgc caccaggaac atattatttt actccttaag 12240

cacctcagtt tttcaagtgg ggtttatctt ttttaaaagc aagtgaacag aagaaattca 12300

acatcttcta tcaataaaat acacttatct actgacgttt aaatcaggat tttatcatcc 12360

aaaccccaact taagaaggta tagcacagat ggcaggacct catttgtaac taggttatat 12420

tatatcctat tgttatttct ggcttaggca gatgctacct tggtagtggt atatgcagca 12480

gcacaactgc actggaagct gaagccaatg ttagcaagag gtagaaaata gatgaggaag 12540

tgggatgata atgaaccct catgacagct cagaaataac aaaaacctga agtctgttat 12600

gcaggtgaga tactggtagg agccagctct ttgtaatgat tttctcttac acctgccatc 12660

cctgtgctgt ccttagtttt ctggcctatt agatgaaata gggtatcgtc ttccaggcat 12720

atttcgcatt tcaatttttc ctgccctgtt ttaaaaaatca ctgctacata ggtgaaatgt 12780  
 gttatacaat gaagtgaac tattattttac ttaaaagggtg taaattttatg acctgccatt 12840  
 ttaaaagcat gaaaccaata ctccaattaa taatctcaaa cagagttaag aatgtaaaag 12900  
 tcccaaacag agaactaaaa agaactagac actgctaata tttttttcat gagtatgtgg 12960  
 cagatatgaa gaaatttctt gattacccaa taatggacat tcatacttca gaactgctgt 13020  
 aagtatactt ttcccttgac attctgaact gttttttctca atctaactca cttatcaaag 13080  
 caacagacct ttgatctgt tcaaagcaat ttcttaacac ttgggttata ataaacattt 13140  
  
 aaaagttgaa ataattttgg tatcatttta aggaagctgc aataaaagaa taaaaataat 13200  
 catcattcaa ataagagcat ttgcacgatg agctagtcaa cagcagtatc agagtctcta 13260  
 tttttggttc tttagatcta attctttcac aaatgtgtag gcacgcacat gaacacacac 13320  
 acaccaacg tattttgagg cacctcttgc agttatagac acaaatatct cacacttggg 13380  
 cttttagaaa agtgaagtaa ctattaagaa agaacaagcc tttaaaaatg ttataataac 13440  
 cacagtgaga aaatctcaaa atcacttaaa ggtcaattat tgaaagaaaa agaaaaaccc 13500  
 aaattactac tataacaatt ccaaatctac ctcacttttg ttcaaagcaa ttgcttaaca 13560  
  
 cttaggttgc aataaaacac aacattttaa agttgaaata atgttgatat cactttaggg 13620  
 aagatgcaat aagagaatga aaataatcat cattctaata agagtatttg cacaataagc 13680  
 tgttattatt attattgatg agttaacagc aatcagggg tctccatttc tgaatctata 13740  
 cttctggctg aataacaacg gatgtcccta tagtgaataa aagtgttctg agtgaaagga 13800  
 tggtagagac acacatgaag agcattttca cttttatcta ttgttaaaaa ctgtcttca 13860  
 gattgctaca accagtaagt cacttattct agaaaaatac agaagttagg caggctttaa 13920  
 accgcttctt caacagttaa attcatttgc acattctact caccicaacc aacctcagca 13980  
  
 acaagggat aaatagcttc ccacttatgt tgcagctgag ggaagaggta cagcagcaaa 14040  
 tacaagtctc cctaaataaa ggcaaatatt tctgtcatgc caaggaggga gggaaaaagg 14100  
 gaggcttgcc agagtcggct gggagataac agtgggaact gctggtccat ctggttttca 14160  
 ttctgctaac actcacacgg aactgttaga gaaggcagtc cagatacaca gatttgaagc 14220  
 acgtggttgc acagacagag aaaggaagag caggaggggg aggggaagtg ggagtaacaa 14280  
 aaaaaataat aaagcaatag gaggaaaaag aagaggagga aaaagaacaa aatagagaga 14340  
 caagagcctg atgggggagt aagttaccct caacagcttc ctttaccctc agtgtctaca 14400  
  
 agctggacct taatgtgcac agccccctac ctgactcaag tttatagagt taaggagcaa 14460  
 tatctaaact taaacatatt tgaaggctat tttcttttcc taaaatagac caccctaaaa 14520  
 aaaataaact ataaatttga caataagttt cctcctcaat ttttaagttg tatttaagat 14580

aatctttgta ttcttatctt cttcccaatt ttagaaagtt tttggtatat tcataatttt 14640  
gatttgaaaa catctgaata ttgtcttggc ccacacttgt aacgactcct atccagaaca 14700  
gcaacatcat catccataga ttatTTTTTT aattcttgaa atgtcaacaa taactacaga 14760  
gacaatgtat aggaaacacc actacttcta ataggaatat gaacattcta gccagaatat 14820  
  
atgtatatgt gcatatattc agggTTTTTT cattagccaa atttctgcaa tggtagctt 14880  
cactctgac aaatggagtt ccagcccaga ggtcctacaa actgagacaa agtgggacca 14940  
tatgtaactc attctgtgct gttcagtgc atcaatccag gatggagata gatggtgaaa 15000  
taaccagcca ggcctaacc acatacacat gaacactctc tggagcacag agatttaaga 15060  
taaatgcgga aaatgtgttt caagtatgct gagccctgtt gcatttgttt tggattattt 15120  
aaaaactttt ttigaaatat atattcttga aacttttata gcaaacagca caagcaagct 15180  
gatttaacca cagaagcatt tcaatccatt tcaaattaga ggacatggta aaaccaatat 15240  
  
taagttataa tatttcttat ataatttttt aagttcatgg aaattatagt gtcctggat 15300  
gtaatttcca ttttttagtt gcaatagggg agttctgaca tataactcaa gactgacaca 15360  
aatgattaa aagtcaaaa aaaaaagcaa aagaaaaaac ctccatcaga tcatgtagca 15420  
aaggtaahta aaataaaaaa gggctgactt tacttctacc ttagcgattc atactacttc 15480  
taacaagac gatcttcct ctgtgtaacg tttctctcac atggcaaata tccaacacat 15540  
atgtacaaa gatggttgat gcatggaaaa caaatgtggc atatattaat acattaccta 15600  
tatgatttca atatccagtt cagtgtcagg gccttctaga agtggtatgt ttccatttc 15660  
  
cttttttttt ttttttttca ataaaaagaa aaggtagggc ataactgcc atggcactta 15720  
ctttactttt agttagtcca aatagcacca gatgtgtttc taaggtagca aaagtaggta 15780  
ttctgcattt tcttgtttta catagcattc tagagaggac cagtataaaa caacaacaac 15840  
aacaacaaaa agggagtcca agtattggta ggtggtacat ctttttctat cagtttatca 15900  
ggtcaattat cgaagtctca gagatgttat ggattaggag gaacttcttg gacaactagt 15960  
agttagtctg agttagtcat atttgaataa gtgttgcta agctagaagg tatgtactag 16020  
agaggataag ccaaagtga atgcaagtcc tgtaacagga aacaggaaag aagaaggaag 16080  
  
ctagagaggc atcaaggigg gtatagaact ttaattttta tttactgga aaagatggca 16140  
aatacagttc tgaaaatgat gctatgtagt gactccaatg tctgggtgtc agatgttaca 16200  
ggagactatc catggaccag aacaatggig ctggctgctt ctgcctcca tccagcctcc 16260  
acccttcct gatgagcact gtggtaatgc ccattcctgc tcagaacct tctgcaatgc 16320  
ccgagaatga aagtcaaca ctaagatgct aagaatcatg aaatgacaca gtgggatact 16380  
tggcataaca gaataacttc ctaaggcaga ctggcttcaa atgttgactc tctccacat 16440

tagtagtgag ttctcaagca agttagtttt cccgagcctc agtccctcat cagaaaaaaa 16500

tgcaaaaatg atcctctgtc cctcatagga atgtggtgaa attgaatgag attgcacgtt 16560

ttaaacccta gcaactgtgc tacttatatt aggtaccagc aggtgtgagc ttcattctct 16620

tgtgtcttca aciccatgat ccattcctga cttttctctc aatcctaggc tctatcaaat 16680

accagccacc ttggtactcc ctggcttttc tgcctttctt ttacttgtctg tttccctcat 16740

ctagaatgac ccgtcccat tgcacattct tcaactgtca ctgtagatca cacatcctct 16800

ttcagcttcc ctcaactgcc ccgagcaaca gccatatcac attacctctg cttttctttt 16860

aacatttacc acagcccttc tgtatgatgg acacatgtat atattataca cccaaacatt 16920

ccaaccaatg caaatggtaa gcacttgaig gcgatatatt ttaaaattcc tcctgaggag 16980

gattcttaat aaatatgtag taatataatt gtggatagtt acatttctaa ctattagaaa 17040

tccattccct atattattat ccgttcaaag atatcaaatt tcatggtaaa agacaaaacac 17100

acaccatcaa cagtatacac agagagagga tagaatgtag ataacaatgg gaagatgctg 17160

gagacctgaa atttagttca actttgcaac taacttatat agaatgacgt ctcacctcat 17220

gtcttatcac aggtgccgtg atctgaatgt ttcccaaaat tcatgtgttg aaacttaatc 17280

accaatgtga taatattaag aactggggcc ttggggaggc actcagccca taagggtctct 17340

accatcatgg atgggatcgg tctcttacia atgggttgga gagagctaag gaggccactt 17400

ttgcccttc atctctctg ccatgtaaaa aggcactatt ctagcaacaa gctgccatct 17460

tgagagcaga gaccaggccc ttaccaacc tgcagtacc ttgattttgc atttcccage 17520

ctccagaagt atgagaaata aatttatctt gtttaacta cccagtctaa ggtactgata 17580

tagcagcaca aatggactaa gaccatagat gttttatgaa tagcattttt gctgaaacac 17640

aaataggatc ttacctatc tctgatctaa aaccttcagg agagtcctcat tgtccatgga 17700

ataaaatata agctcttttag cttagtccat gttgcagaca ctgttgagtt cttagcaatg 17760

ctgtttgctt tcttcttgc tggagagccc tgactttgtt caggtactct tcctcttccc 17820

acaatctttg ggggcaaatt ctcttgttg cacattagtc agattatcac agtttctttc 17880

tcaatagcag gcttcagagg tgggtgatgt gattcgattc tggacaatgg gccatgaaag 17940

gaggtctact gaagagggtg tgagaaagac atcctcactt tctaaacagg gaccagggga 18000

gcaaatagtc cttctcttc taataggcac tattttatct gtaagtaatt acttcccttc 18060

acttttttga attctacttt tcttatctat gaattaagca tattaggttg tattctttct 18120

aaagatcttt tgcaaaact aatattctct ggtttctttc tatagatatg gcttatgac 18180

attacaaaca caaagatgac caccctgaaa acatatatTT gataatgaag tgaccacaaa 18240  
tacaatcact ttgaaagtga tgatcataac tagccttctt ctgttcacat aaatttccat 18300  
gtccacaaga atgtctgcat gtccattttt ctcccataaa cattaaaatt aatgtctacc 18360  
tcctcttttc agatacatTT tcactcctca tcaatgattt agttataaaa taagcattct 18420  
aaagtccaat tctccctctt tagttgtcac caaaacaatc actaggattt tctttcatag 18480  
cccaggtctt taaaagagaa tctatagtca ctttctctgg ttcttcattt cccactccat 18540  
cttccatgca ctaggagcag aaacctataa gactgtctgt ctaaacattt ctcttcccat 18600

gctggaaact gccattccct ctaatctcat aactaccttg ggaactacca tgttctttca 18660  
tgaacttgta cccaagacac caacaggccc agacatagca cctagtccaa gataggcagt 18720  
atcagtcctt ctccaagatc tttatattta gagttgaggg tagaaaactg caccatctac 18780  
taccctccac atctagaaag caggtctaca gcacaaaagc cagcaactaa caggcagaaa 18840  
aaagcaaaga gaagtaatga gagattatca tggtagtagt aaataaagtc cctcattcta 18900  
gtgaatagca gggacttgtc atatccgtaa aattcctaca atttgggtct tccaaacctt 18960  
ctacagattc ctagtcaaac aatccctact ttgcctaaaa ccgagattga gctgattttc 19020

acaaaaacca agaatgctg ataaaaaac cctggcatgc aaggtggagt gcggtagctc 19080  
acgcctgtaa ttccagcatt ttgtgaggtt gaggtgggtg gaccattga gtactggagt 19140  
tcaagaccac cctggccaac atggtaaagc cctgtctcta caaaaaatac aaaaattagc 19200  
caggcatggt ggcacatgcc tgtagtctt gctatgcagg aggttgaggc aggaaaattt 19260  
tttgagcctg ggaggcagag gctgcagtga gccaagatcc tgccactggg gtaacagagt 19320  
gaaaccccaa ctcaaaaaaa aaaaaaaaaa aaaaaaaaag caaccctggc atgtagcatc 19380  
aagatatact cctaaactcc actgaaattc ttctcaattg tctctttatt cttaatccaa 19440

gaaacatgta cactacttta tctgacatct ctgtagcatc tgacacttcc ctacttctc 19500  
cttgaacctt ttgcatcccc agaattccat gagtctaata ctctctttct ctggctttcc 19560  
tcgttctcc ttttcagctt cttaagggct cctctttttc ctgctctgtg ataactactg 19620  
acattttccc ctaagttcct tcttagacc ttttcaaatt ttcactttat actcttctt 19680  
agtgatttca ttgtgttat cattgggctt cagagacagg actggaattt gccatcctt 19740  
atgtaaaact ggccatgttt tgcaaccctt gtattgtggg aataaactca aataatgtgt 19800  
attgcattct tggtaaatg cctgatacat ggtaagcact ccggaagggt tgactttatt 19860

cactccgtgg ccagtatgag aataactcta gtcaatatcc ctcccaaatt ctagacccaa 19920  
acttcagag ggtactcat ttctacaacc tgaatcatct accatctctt gcctgaccta 19980  
ttcaacaagt cattgaatgg actccaccc gtctctgata cattctcaa accacatcca 20040

gtatttttc tatgtatgcc aatgggtgtga ccagagatcc tgcctctctc ctcttgtaat 20100  
ctttaaacat ctcttataac cttaaagtct gtgctcctta acaggacata gaaagacctt 20160  
tgtgacccat ctggttcctg cagctgctcc agacacatct tcatttctgc catccacccc 20220  
atccccacct ctgacctcca tactagacag ctgcagttct ccaaatgccc atggtcactc 20280

tggttttcat actcactgca tcccttttct tgaatactct tcaccccatc accgcctaata 20340  
taagtccatc attcctttaa aacttccttc aggtgtcact tcagccagaa accttttgct 20400  
gacaaccttt ctatccccag ctggccgggt ttgtccaag ttctcatatt agactgtcta 20460  
gacccctct gcagcactga tcacacagta tttagaccac aatttactta agagcaatga 20520  
tgacatttta ttgttttta tagtcccagc acttagcagt atctgacaca cagctttaac 20580  
tcaagatgaa atcatctatg tatctctttt ttctctcat catccaaaaa gaattccaaa 20640  
agaattttta tattctggaa aaattaatca ctaaagataa atctagaaaa atactactgg 20700

attattcaat tcaccagttt tctaacaact ctcagtaacc acatatttcc tgagactttt 20760  
tagtatatga tattagaaaa aaagtttgta aggcaattta tacacatatg atctatggcc 20820  
tctaaaaact gttttacaat agtagtgtca gtgtagtcac acatgtacac attcaaaaca 20880  
aagagaaaag catatttgta accaaagaca tacttttttc tacattctac aagttttctg 20940  
ttgttttgtc tgtggatggt ggtacaggtt atgtttattt tcttattttt ctctgttcta 21000  
taatgggcat attttacatt ttacaagcca aagaaatgcc ccaataaaca acaacaaca 21060  
caaaccccta ttaggataaa tcagctacaa tcaggcttag gcattgtgcc aaatgttggg 21120

catggtttat ctactttta accctctctat gaaaaggtaac tataaatttg cccactttat 21180  
aaaaaaggaa ctgaggctca gagggattga aaaatttgcc caaggtttta agtcaggtct 21240  
taatccatgc ctctcaaa ttcatatcc tctaaaacta ctgtcatttt attcatgate 21300  
tggaanaactg ggatatgaac tgcaactcagt aaacgttaaa tctgtagcta gcattacatt 21360  
aaaactgcat cticcggctg ggcacagtgg ctcatgcctg taatcccagt actttgggag 21420  
gctgaggcag gcggatcacg aggtcaggag attgagacca tcctggctaa cacagtgaaa 21480  
ccccgtctct acgaaaaata tgaaaaaatt agcctggcct ggtggcgggc gcctgtagtc 21540

caagctactc aggaggttga ggcaggagaa tggcgtaaac ccgtgagggt gagcttgacg 21600  
ttagccaaga tcgtgccact gcaactccagc ctgggcaaga gagcgagacc cagtctcaaa 21660  
aacaacaaaa cggccgggcg cgggtggctca cgcctgtaat cccagcactt tgggaggccg 21720  
agacgggcgg atcacaggt caggagatcg agaccatcct ggctgacacg gtgaaacct 21780  
gtctctacta aaaatacaaa aattagccgg gcatgggtggc gcgcgcctgt agtcccagct 21840  
actcgggagg ctgaggcagg agaattggcgt gaacccggga ggcggagctt gcagtgagtc 21900

gagatcgcg cactgcgctc cagcctgggc gacagagcga aactccgtct caaaaaaaaa 21960

aaaaaaaaa gaaaaacaaa caaacaaaaa agcatcttc caatacagta gccactagcc 22020

acatgtgact atttaaatit taattaagat taaataaaat ttaaaatttc gtttctcagt 22080

cacactagct gcatactcaa atttacctgt gcctgatggg tactatgtta gaaagctcag 22140

ttataaaaca cttctgtcat cagaaaagga caatggcatc ctagaacaat gactctgaaa 22200

tgttacccta gaaataacag ctctgtggca gaagtccatg gaggtgacaa ggcagcccaa 22260

agggatgggg agcaggagga ttgtctggag cctcatccta aacatcttcc gctgccattc 22320

agacctttca gttgctttat atgctgggtt tctacatttg atgatgatga gataggaaaa 22380

acaagtctga agcccaaaga tatgtaaagt atgagctctg aagaagtgcc ggcacaagac 22440

attctcagtt caggtgatca gtaaacatca aggtgacct gccagtgagg acaaggccac 22500

aggctcacag tcttgggatg agccagtcag cagctggccc agaatacagag atgactgcag 22560

cacatcccta tggctcttaa tgggagtga cttggattaa gagggaaacc aggttaagaga 22620

atgagataaa tctatggcaa tctattacta tttttgaaa actaatttca aaaaaatgtt 22680

tggctcatct ccatacaggg acaacaggaa ttcccttcc cttctctat agcacttacc 22740

cggctagcta tgcattggac atttatctta tttttgaatg tgtcccatc cataatgtca 22800

gcttcgtgaa cagagatttt tctctgtttt gttagctctg tagcatttag aaaagtgcct 22860

gaaatagtag gcattggatg gacggacaga tggacagacg gatggaataa atgggggggg 22920

gggtgggaag gaaggaggga aagaaggagg ggaggagggg agggagggat ggatgaaagg 22980

aaggaagaaa ggttagtttc tgccaaaaca gctagagaca tattagtaat tctttttttt 23040

tttttttcaa tttatcact attttaatca aataacttag ctgtttgaaa caaatcctta 23100

agacagttca atagagcaaa tgggtggttct ggacagaaaa ataatactca tttcatgaag 23160

taaggaaaga tctgctgtca ttggaatact ggtggatgcc aggcattact tgtatgtcta 23220

agtccttcag aaatgtcatc cctccacag ctgttaccac ctttattcca gtgactcttg 23280

cttcttattc taatcaccac ttcttggagg tacctaaggt accaaatgga tattaagtgg 23340

cagcctggga tctaacgact tcacttcaaa tagcttcaaa taggtgaagt caatacactt 23400

caaataggct agttccaggt taatctgact tacaccctgg tgttctatit aagatctcat 23460

ttaaaaaataa ggttcttgt ttaacaaaga aaagtttaaa gcccttgga caggcaataa 23520

gcaaatgtct acttaaggtt aacaatactt aggaaggaaa actaagttgc ccaataaaca 23580

gaagtcactc ctcttgtcc aaagagaaga gaaagatgca tgttatcaca agggccccaa 23640

aactgaacat aagcatgtat gttaacattt tgttgtcaaa ctgtagtcca tcttgaaag 23700  
taaaaaaaaa caaacaaaa acaaaaacaa gtcattagt atccaaacct tttatcatct 23760  
aaagaactga caattattac tctaataaca ttgtcttat ttgacaagga taaagaaggt 23820  
tatagagaag gttcagagag ctgctgcaga aaaacggtag cacagacact cagtagagtc 23880  
agttatgata atccagatag taattagcaa atcaagagag acaatcagga aggtgcccag 23940  
ggatatgtacc tgtggctaaa tcttagacaa gcaaacagca ggagttttaa tgaacatttc 24000  
ttgattttta ttgaatgtac tctaggggga aaaaaagtac tgttagttta gtcctttacat 24060  
  
tataggcaat gaaaaggcac tgagatttta ggcagccaaa tgagatgttc atttctatag 24120  
tgtatctgag agcacagtat gaataggata aaagtggcaa cagggcagga gtactggata 24180  
gcaatagtct aggcaagata gaacacaggc attcagtatg gaaatggctg taagactgga 24240  
gaaaagggga aaattcagga gatatttcag aagtattgct caagttaaca cagctcagta 24300  
agatgccctc gaataagtag gaaccgagag gtgcatggtg atgttaaaaa ccaatgccaa 24360  
aaccagctg gaagaagtat ttggaaaaag gacaggataa gttcaacttc atcaatggta 24420  
ctgtgctgtt cgtgtataaa atatcccaag tagcttcgtc tcccacactt gccactatca 24480  
  
aattattctg cctcctccat gtgcctctcc atttccactg ccaccactag catacaagcc 24540  
accactatct tccacttga ctttacaacc tctcacacca cactgcaatc tgtttacatg 24600  
aaacaacaga tgaaaacttc ttgtaaaacc aaatgtttca ctcatTTTT ttaaaaaaag 24660  
cattcattca aaaatattta ctgagctata taaaatgtgc taggtactgt taaacactat 24720  
ggacaggtca gtgaacaaaa attcttaaaa atcactacac tcaagaactt tacattctaa 24780  
tgatccgata aagtcattcc cctattttaa gtgtttcaat gggttaccat aactcttagt 24840  
ataaaatcca aaccttcaaa tgaccaacaa cctagataga tttaatatgg gcctctctta 24900  
  
tctcatctca tgcctcattg gtttaateag ctgcaaaact catctcacct cagggccttt 24960  
ccctctccct agaaaatcca tctcagctca aattcactta ctcaaggaag gcgtccttga 25020  
cctctccct atcttacc caagcattata agcaatatcg tactacctaa tctgtttttg 25080  
tagagcttac cacaactgtt gtatataatt gtataattat ttgtctaaca cctcctgcca 25140  
gagagtagtg tcccataagg aaatggggac atatcaattc ttatcatatc aactcagtc 25200  
cagaacgtat cacattgcca agtacttagt atgagtaaac agtgatata taagaaattt 25260  
cctattttaa aatatagatt tgaaggta ggtagagcaa aacaattgga ctcttattc 25320  
  
tctttagaag gggttccgaa gtttcttcag taatagaaag aataaaataa caactgacga 25380  
taataatgaa atcattttct catatttcaa cctcattccc actgcaatgg ggcttctatc 25440  
actactgttc cacctaaacc accccggtga aaagaccaac tcttttgtgg ttaacccaaa 25500

acataccttt cagtccttat cttacctgtc ctctgggtgc cctttgatct gtttagccac 25560  
 ttctcattct tctctgcag tggcatcctt ctcttagcta tctctaggag tgcaatggaa 25620  
 ttctcttggg ccttggccct tectcatctc ctcatcttct gaactggctt caacctgtct 25680  
 ggcgctctgac acaggccttc acatctcatg caacaaattc tgccaggtgt ccatactctc 25740

aaggaaggat actttcctga gggccagacc aagaggtctc actgctttct taacaactct 25800  
 agctggatat ccattgata gttatatgtg gaaccaaacc taacatagtc ctttggaaat 25860  
 gtgtgcctcc tctatattt caatctctgg gcatagcatt atttccact gagctaacca 25920  
 agccaaaata ccacaatcat cctaagactt cctctggcta cagtccatcc caatattctg 25980  
 tcaattccac ttctaaataa cctttgcgat ccaggatgcc ttatcttttc aatgctgtat 26040  
 ctccggtgtc taaacataag catcttgac atagtaggcc cttagttttt tgtactaaac 26100  
 catctaaaaa agttaacata gtcgggtgtc cattcaacc ctattgtgtg tgtactcaaa 26160

tcattacaaa caaaatacca gtagattttt ttctagaatt ttacaaatgt tttaaaagtt 26220  
 aatctgaaat aaaaatgaaa ataaccagga aacactttga aaataaagtg tgacaagatt 26280  
 tagcctaata tatgtatgta tgtaagcatg tgtgtttgtt tatttgagac agggctcttg 26340  
 tctattgctt gggcgggaat acagtgggtg gaacatagct cactgcagcc ttgacctcat 26400  
 gggctctagc gatcctcctt tagcctctgg agtagctggg actacaggtg catatcacca 26460  
 taccagacta atttaaattt tttttgtag aggtttagtt tcaactagtt gccaggctg 26520  
 ctctcaaaact cctggcctcg agcaatctc ctgcctcggc cttccaaaat gttgggatta 26580

taggcataaa ccagtgccea gcagcctaaa gtttatttta agcatgacaa ggccgggct 26640  
 ttatttaaag caagacatgg ctactcctg taatcccagc actttgggag gctgaggcgg 26700  
 gcgggtcact tgagcccgga agttcgagaa cagcctggcc aacctggtga aaccccatct 26760  
 ctactaaaaa taaaaataa ttagccaggc acgggactca cacctgtaat ccagctacc 26820  
 tgggaggctg aggcacgaga atttttgaa cctgggaggc agaagttgca gtgagccaag 26880  
 attgcaccac tgcactcag cctgggcggc agagcgagaa tctgtctca aaaaaaaaaa 26940  
 aaaaaaaaaa aaaagcatga caaaactata atgatttcaa cagtgtgctg ctagtacatg 27000

aatagatggc caacacagca gaataaaaaa aaaatagaaa aaatactaag ttcagaaatg 27060  
 gatatacctt taagaattta gtatacaata atttctcata gtagtgagaa aaagacaaag 27120  
 taattcaata attcagtaat tccaagcaa ctactagaca gacaacaatt cataaaaaata 27180  
 aacccgtctc atgcatata ttcaaattca ctattctgt atgaataaaa actgcagtaa 27240  
 aaaattaaat atgtaagtgc atatttattt aatcatagaa tgagaaaaga gacaataacc 27300  
 atgatgagcc aagaccaata atggcactta ctaataaaca tgagtacagc aaaatgtacc 27360

ataaataaag taaaaggaaa gtaaaaaggc aagtaacaaa tgaagaaaat atgatttgta 27420

tacgggcaac aatggattga tagccttaat atagaaatag ttccatcagg ccagatgcag 27480

tggctcaatt ctgtaaaccc agtgcctctgc acagctagga aggaagatca cttgggcca 27540

ggagttcaag gctccagtga gctatgatca cgccactgcc tccagcctgg gtgacagagt 27600

gaggccctgt ctctaaaaaa tgaatatagct ccatcaagtc aataattaaa agttcaacag 27660

cccaacagaa caaaaattgt aaaagaacac aaatagaaaa tgtacaaaat aaatattaat 27720

gaccataac cctataaggg aaagttaac ctctctagta tttttttaa ttaaacaag 27780

atctttttt catccaacaa aatgatagtt ttttaattat aatatggtat tagagtataa 27840

atggcactt caattaatat acttttctaa aataataatt ttcctgtagg acaattaggc 27900

aatacatatc atcaattgcc tctaaattat acatatacctt taatacaca attccactct 27960

ttggaaatta ttccacataa ataatatcaa gtatacaaag aaattcataa tgaggaaact 28020

ggaaacagcc taactattca acaataggca ttggcaatt caaattctaa tacatccaca 28080

gtggaataca atgttgtga tatttacttg gaaagatctt taaaatatac tactaccaca 28140

tggggggaag ttacaaagca gtatgtttta caagatcctg ttttttaaga aaactatitt 28200

aagacaatta gatggatgtg tatgtgtttg taaaagact agaagggtac gtataataat 28260

gatctctatt agaatactga gtagctatit cttagtctg tgattcagaa tggggcagaa 28320

ctttcaaata tattgtcagg ccaggcacag tggctcatgc ctgtaatctc ggcactttcg 28380

gacggtgagg cgggctgatc acttgagccc aggagttaa gaccagcctg gccaacatgg 28440

caaaacctg tctcagctc ccaagtagct gggactacag atgtgaacca ccatgcccag 28500

ctaaatacaa aaattaaaat tttttggctg ggtgcggtgg ctacgccta taatccgaga 28560

actttgggag gctgaagcgg gcggtatcat aggttaggag ttcaagacca gcctggccaa 28620

tatggtgaaa ccccgctctc actaaaaata caaaaattag ccgggtgtgg tggcatgctc 28680

ctgtagtccc agctactagg aggctgaggc agaagaattg tttgaacctg ggaggaggag 28740

gttgactga gctgagactg caccaccgca ctccagcctg ggcaatagag cgagactctg 28800

tctcaaaaaa aaaaaatttt ttttttaaatt ttggaactct accaaggcta ttcagctttg 28860

gagtgaaggg gtaaaaagca ggattcaaga caacaaaag ggaagagaag gggttaaaga 28920

ggcggagtta tctatagcgg ttggagcaca agaaagcccg tgaacacaca cgagtagaaa 28980

aagtgcctta ttcaccttg tatccattc atataacagt gcctagcatc aatgttact 29040

gaataaaaga atgaatatta ttttagtaag aaaaaggtcc acaaacacta gctgactgag 29100

aggaaaagac tagagatcac cttggggaaa aatccaaaag tacactagag caccataaga 29160  
atacaatccc ccaaaaaatg atcagattct tcagaaagca tttagtaagt gccatgtgac 29220  
aaaatggaac ccaccccata aagcagtttc actaaaagtt gaggcctctg gaagggtcc 29280  
caaagacaaa ttigaacagc ctgtgactta tattagcaaa ttccttacat ataattatat 29340  
tgatgcatta attgagaacg aaagatatgc attaacgga gatttccttc ttatatcaaa 29400  
aagatacctg cactcctagt ttattgcagc actattcaca acagcaacac aaggaatcaa 29460  
actaagtatc catcaacaga cgactaaaga aaatggcata tatatatgtg tgtgtgtgtg 29520  
  
tgtgtgtata catgtatata tatatatata catatatata cacacgtata catatatata 29580  
cacatatata tacacacata tacatatata tacacatata tatatacata tatacacaca 29640  
cacacacaca cacacacaca cacacacaca caccatggaa taccaccag ccattaaaaa 29700  
caatcaaadc atgtattttg cagcaaccg gatggaactg gaggtatta tcctaagtga 29760  
aataccttag aaacagaaag tcaatactg catgttctca tttataagta ggagctaaat 29820  
aatgggtaca catgtaacga atgggatagg ctggtacagt ggctcatgcc ctgtaatccc 29880  
agcactttgg gaggccaagg agggcggatc acctgaggtc aggagttcga gaccagcctg 29940  
  
gccaacgtgg tgaacgccc tctctactaa aagtataaaa attagctggg tgtgatggcg 30000  
ggcacctgta atcccagcta cttgggaggc tgaggcagga gaatcgcttg aacccgggaa 30060  
gcagaggttg cagttagcca atatcgcgcc attgccctcc cgtctgagcg ataagagtga 30120  
aattccattt caaaaaaaaa aaaaaataag agtgggataa taggtatccc actggagact 30180  
ccaaaaagtg ggagggtggg agggaggtga gagttagaaa attacctttt aggtataatg 30240  
atcacatttg gtacactaaa agcctcggtt ttaccaccac acaatatatg catgtaagaa 30300  
atgcatctgc acttgtacac tctaataca taaaaaaaaa ttttaaaggc gattttctct 30360  
  
tggttaata tggtaatat aaaggagat caactccata tttttatag gttgtttca 30420  
atttcattt tatcatttct taatagagtt tctacatcag tgaatacttt gcataatata 30480  
acttttcatg gaaacccatg accttactta ataaagtaat tcagagaagt taccctaaat 30540  
aattaattgc taataaatat tccctaagga cagaaaatca agattgcctt agcaggaaat 30600  
atctgcata atatatatat atattcaaaa gcatctaagt aagtctactt tcacctcca 30660  
tatttccaga caatgtaaaa gcaagcatc cttttaatac caggaaaacc attggggaac 30720  
ctagaacat aaaaattctg ctagttacaa tttgaatgac acatttttac aattcagaca 30780  
  
ccaccttaag ttccaggga gtgtctcaag tgaacacata cataaattta atgttagtaa 30840  
gttcttaatg tagcctcatt tctatttata ctgtaaatat gggatatatat gttattaaat 30900  
taagatgaca gtctaaattc ccatccatt actaggaatc atttatattt catatagcac 30960

tagagatgtc ttctctgagc ttatgaagaa ttataatggc gagaatcaaa ccaaacattg 31020  
atggacaact gcaaagagca ttccacatat aaatgaaaaa tgttgcttgc taaagatcta 31080  
taaggttggt ttcagaaaca caaccttctt gatattatit gtcagataaa ttaattatga 31140  
aagcaataaa tgcictaata tacaggaaaag tgttctcaat tttctaagtt cattgtgtta 31200

ttaacttggt actaacaata actcaagtta ggatataatcc aaaaccattc ctatgataat 31260  
atcactagta cttccctaaa aggcaaaggg atagaatitit tggaatgtga tcaacactat 31320  
cacagaagac cactgtgatc gtcaatgtca acattccttg agtgacagca agaaaaactg 31380  
ttgggaactt ctgttttgag ggatcaacac agcaccttg aataccttcc cttttcagga 31440  
gaacttgcca ggatgcctcc ggaagggttc tgaagcctaa taaaccatta cacaaattct 31500  
actctttatc tcttttttc taaagaacaa taacttactt gtacaagttt gggtctcaag 31560  
aaaacactag attttgcctt ggaaaaatgtg gttatgtcaa cttatttgag ctgactctag 31620

acaaaattat gaggtcagca cagttaacct tcagtgttcc cttgttctcc ttgtcttagc 31680  
ttcttttcag tacctccctc taactccgat ctccaagaaa tctggaactc ttatatgtt 31740  
ccctagctaa agatactaaa tagtgacacc catctaggct caatgtcctg agcttcagat 31800  
ttgtcccaaa tgcctacttc tgggactgaa gttccaatag tcatttcaac taattcatat 31860  
aatggtgatg ggctaagtat ggcaacttca tatacatacc tacacctca tcgctcatg 31920  
aaataaaaaa tgatgattit caactgggtt gggagaatgg gctactgaat cagaattacc 31980  
tgagaaattc tgaataaac tttctcatca atgtgtaaat ttataacccc gtgtcctgtg 32040

gatgaccaat gccttgagaa gccacagatg ctgatgttga gaaggaggga gggcagaaac 32100  
atcatccaac taagtgaag aaatgttcag gtgccttggt cttccctctg cccataaata 32160  
catagtaggt attcagtaac agctgcattt ccagtcaata tttttttaa aatacataaa 32220  
caagtccttc tcatcaggtg cggtgactca tgcctgtaat cccagcactt tgggaggctg 32280  
aggcaggcag atcacttgag gccaggagtt caagaccagc ctggccaaca tggcgaaacc 32340  
ctgtctctac agaaaaatgc aaaaatgagc caggcatggt ggcatgcac ttagtccca 32400  
gctactcagg tggctaagt gggaggactg cttgagaccg ggaggtcaag gctgcagtga 32460

gccataatca caccactgca ctccagcctg ggtgacagag ggaatccatc tcaaaaaaa 32520  
taaaatitaa aagtaaaaa aatcctctgc tttaaaagca gaggagtata atctgttaca 32580  
ggctctctat ggagctttca ggaaccaagg aaagaccagt agggaagacc caagagtacc 32640  
acaaacagct ccaggcagtt aatccaatac ttatggaatg tctatttatg aaacaataa 32700  
atatttttta agacttacta tttcccttct ccttctgca aatggttagc tcattttcac 32760  
ctttatcttt caacatcaat gtcaccttct catggaatca atcctctcct gaccatccta 32820

tctcatggag aattttcacc cctttgtttc cttcccaata cttacacaac tcaaaattct 32880

tctttattta tttatttatt tatttatgta tctgtgaga cagggtctca ctctgttgta 32940

caggctagag agccatggca caatttcggc tcaactgcacc ctcaacctca accteccacc 33000

tcagcctccc gggtagatgg gactataggc atgtgccacc acaccagct aatcaaaatt 33060

cttttatatc cttttaattg gagtttaatc tctctcccag agcactgtta tatcccagtc 33120

ctagtacagt gtctggcata gaagtattaa aaaaaactgt ataaaaaagc ataaaaaatc 33180

ctgaaggcag gattctaact tttaaaagga caatggagag tgaattggtt ataaaccag 33240

taagaaaaga aacaaggaga tgtcattaaa aaacagaaac acaaaggag ggtgaatagt 33300

tacgagttca tgctgtggtc aaggttagat gtgaggtggg ataaagcaa gaggaagc 33360

caaacaggac acaggaaatg aagaacgaag gctttcgaga ttaaatgagc ccaagcatat 33420

ccaacatggt acagccccgg acaagtgag gcaagaaagt catccagtaa aaaaaccagg 33480

ttgcattcat ctcaaagaca ctgactcatc tcaattctcc agccaaactc tgctactctc 33540

ctctgcagat aacctcatag tctacttaat atagcaaagt aaggctatgg gtctctacac 33600

tctgcaaact ctgccctga aactcctctg tatctgcacc tatgcctcta ggctcagaag 33660

aggcacccct ctgcctctag gggcttact ctcccagaaa ttactctctc tcttatcttc 33720

aacttgtttg gccctaacca ctcttctca aaacctagge ttgctggagt ctctctcatc 33780

cagaaaaatt aacaccctc cctttattg tagactatac tggcacatcc tccattctcc 33840

cactgcctgg cttcttaagg gcagacctca ggggtccat ccactttgca atccaccaca 33900

aaaaagtcc acaaaaagga caaagttacc tgctacttcc cttccagtg gccaaatcca 33960

aaaggcaatt ttgttgttg tttttttt ttttttgaga cagagtctca cttaggctga 34020

agggcagtga tgaggttca ctatgttgc caggctggc tcgaactcct gagctcaagt 34080

gatecaaccg cttggctc cccaagtgt gggatcatag gcatgagcca ccacgcctgg 34140

cccaaaaggc tatcttgacc cctcttctgt tctgtgtccc tttgtagtgc ttcacccgt 34200

acaccactcc cttgtgaaa ctctttgttg tttaacaat acctgactct ctcaaacct 34260

ccataacagt tcttctct ctcttcatct tttctggtgc cctggtattc ccatattctt 34320

ttcaagcctt tctctctt ataccacttg tttcttct gaatgagcaa ctcaaaagg 34380

tttagctatc gccagtact ccaaatgatg attttctact gtatacatct gtacctcaca 34440

aacctgtgat ccaccttgc attgagtatc tctgactaa tacacaaat aaaactgaaa 34500

gttaacattt caaagtgaac tcaactgtct ctctgatgt attattcccc attctggttg 34560

atggcaacca attgctcata tcagaatcca gagtcactct agacaccact gctcaccata 34620  
cctggctcca taccaactga tcattggagc cctcagttc tgtttatttg gtacttctag 34680  
agcctgtacc ttccctccctt cctttcttgc tcattgacac tgtggcccat caggctcctca 34740  
tgtttctctca cctagcgtac tacaatctc atcttcttca atctaccctt cccttcactc 34800  
ctagagtgat gttaacgttc aaaccagca atgtgactcc tctgcttaaa agcatccagt 34860  
ggcttccctt tctaccactt ctacttataa gacttgacat ttccctctgt tactttctca 34920  
cagcatatgc tccagccctg gcaattcata ccaggctcatg gtcttccctg attttgaaat 34980

gtaccttgac tacaacaagc ttatgatctt tcaagacaca gaacaagtgc cacctctccc 35040  
atgaaggctt cccaaattac ccctgcccc aattcagagc aaagagttga tcattacctt 35100  
ctttgggctc tattttacat acatttatta gcaacttag catcacttat tacaactatt 35160  
atatttgag gtgtgtgtcc cgtgtgtata ctatatacac atacacacgg acacacatgt 35220  
tccttaaaag gccgagtcta catctattg attattccat ccccagcatt ctgcacaatg 35280  
cttagcacac agctaattct gaataaatac actgtggcaa actgctgtta agtcaaagaa 35340  
caccaggatt tagggcatca aataagttat caagttttaa aaaaacaaaa aagggtgaaaa 35400

ggaaaacagt gtgtctgcac cagaaccttc cctgaaccaa ctgggagtta ggtctggctc 35460  
tactgtgctt tcaaagccct ccatttcttc cccatcatac aactcacatc ttattgtaaa 35520  
aatctttgta catgccttcc tcgtcagggt gaaatacaat tactgctaga aatatttata 35580  
atgtaatfff ttttagcctg tgtaatggca tgtgcctaca gtcacagcta ttaagaggc 35640  
tggggcagga ggatcacttg tgcccagggt ttaaaagctg cagttagata tgatcaaaaa 35700  
aaataaaata atataaattt tttttcaaa tacgaggctt tactctgttg cccaggctag 35760  
tctcaaatc ctgggttcaa acaatcctcc cacttcagcc tcccaaagtg ctgggattac 35820

aagcattagc cactgcacc aggctatttc taattatctt aatagcagtt aatactcacc 35880  
gagcatttac caagtgccag ttatcttgct aagtgttta catgagttta ctcatthaat 35940  
tttactata agacaatga atagatctta ttcatttac cattttcagg tgaaaaaact 36000  
gagctttaa aagaataaat aattgtcca ttgtccaca gcaaatgaac agcatgcaaa 36060  
gccaggggc atgcatgatt tcacggccca tgctccgggt ttaactacta tactattcga 36120  
ctaacacctc ccaccaataa cccaccatca aatacatgac taaaggccag caggatttca 36180  
caaaggccgg ggctttgttt ggcttacttg ctacttggca catagtagat actcagtaaa 36240

tatttgatgg ttgattggct ggctgaatga aaaactgttt aaaactttgg gtatggctgg 36300  
gcactgtggc tcacgcctgt aatcccaaca atttgggagg ctgagggtggg cagatcactt 36360  
gaggccagga gttaagatc agcctggcca aagtgggtga accccatccc tactaaaaat 36420

gcaaaaaatt agctgggcgt ggtggcatgc gcctgtaacc ccagctactc gggagactga 36480  
ggcagaagaa tcacttgaac ccaggcagca gaggtttag taagccgaga tcacgcaact 36540  
gcactccagc ctgggtgaca gagcactact ctgtcccaaa taacaaaaca aaacaaaaca 36600  
aaaacctttg ggcttattta ttttattttt ttaagctaaa aaatgaaggg gtgggttttt 36660

tttttttttt aattgagata gtctctctct gttgtccagg ctggaatgca gtggtgagat 36720  
ctcggttac tgcaacctct gcctcccaga ttcaagcaat tcccatgcct cagcctcctg 36780  
aatagctggg attacaggca accaccacca tacacagcta attttttttt gtatttttag 36840  
taaagacagg gcttcgccac ctggccagg ctggtctcca gctcctgacc tcaagaggtc 36900  
cacctgcctc agcctcccga agtgcctggga ttacaggtgt gatctgtgcc tggcctgaag 36960  
gggtggttct ttatctcttt catatgtaa cattctctgg ttttattatt tgaaggtaaa 37020  
gtgcctgctg cctatgatat catgatgata cgcagaaaaca gtccagatag gttgttaaga 37080

gcatgagttt gagatcacta aactttaaat ggaatcccag accaacttct taaactgggc 37140  
aaattactgg atttcttttt tctttgtttg agacaggttc tcactgttgc ccaggctgga 37200  
ttgcaatggt gtcatcatgg ctcaactgtag cctctaatagc ctggactcaa gtgacctcc 37260  
cacctcggcc ttctgaccga ctggctagga ctacaggcgt atgccacat gccagctaa 37320  
ttttttaatt tttcttttgt agagatggtg tcttggtatg ttggccaggc tggtttcgaa 37380  
gggcctcaag tgatcctttg tccttggctt cccgaagtgc tggaattaca ggcatggggc 37440  
accatgccc cccacttgat ctgctttccc tcaccttaaa gtaaggggtg tcttggaac 37500

tgctctgta agtgatttct aaagattaaa tgagagaata tggatgtgaa aaatttatgc 37560  
aacagctgga acataataaa gcaactaata atggcagcta ttactgtaat ctgagaatct 37620  
gaacagaaat gatacacga cacacaaagg aaaagataag catccactgt ttaaataaac 37680  
acagcttttc ctgggaaga ctatgtgcca ttctattatt ttagtgcct gagctgtgtt 37740  
tggattcaag catgtcagtt acccaaaaa gacttgaaaa aacaaccaca tttttattca 37800  
agcatgtgag ctttctcaca ctttctcct gtgtccctaa tttgttcata tccagacaat 37860  
tcacctggac ctcaactct cctatttctc atttctctca catgaaggca tatgtcttat 37920

tggttataaa gttaatgggt gaatgtggag aaagaggtgt tctaaggaag aatttcaatc 37980  
tatacatatt tctcagacct ctttctagt gactatatag cattctgccc cctccaaaaa 38040  
aataaagttt ccacaaaaag ttaattttat tcaatttaaa aattatttta agaaaactga 38100  
catccatttt ccaagattag atgagataat ctcaagtgtc cccaaattaa gtttgtgaaa 38160  
tcccttacca aaaaatgaac agagtctttt tctctctga gtccagtct taacaacca 38220  
aaaagtatat atactaagga aggaaaaaaa aactaactag ttctagcaaa ctatcaciaa 38280

agtagagaaa acittattaa aagtcattat acattatcat ttcataaaat ttaatatataa 38340

tttacataaa attttaaaat aaatgaaata ataaaaagta tgattatittt atatctttta 38400

tagtaacaaa catacagagt gttacactaa agatggtata cataaaattt tcagctgtaa 38460

tttccttgga attttggagt gacagtatta aaatcacaat ttaaaaaata attataatca 38520

taaaaacctt agccgggtgc ggtggctcac acctgtaac ccagcactct ggtaggctga 38580

ggcggatgga tcacctgagg tcagaagttc gagaccagcc tggctaacat ggtgaaaccc 38640

catctctact aaaaatacaa aaaattaggt ggcatgttg acaggcacct gtaatcccag 38700

ctacctggga ggctgaggca ggagaatcgc ttgaaccag gaggcagagg ttgcagttag 38760

ctgagatcaa gccattgcac tccagcctgg gcaacaagag tgaaactccg tctcaaaaaa 38820

aaaaaaaaaa aaaccttaag ctgaatttat gccaaagttt ctaaattctt tatcagatag 38880

tgcttatittg gtttatctta ctatccatga taacaggagt caggggaaca gcatagatgt 38940

atggatagac agacaaaaca aaactcagaa aagcccatgg taaataatgc accttcgcta 39000

cctgctctta aaaatccttg ataagtagct aaaatgaacc aatatgcact cgcttacaca 39060

aaaattcaat agtagcgata tgggcagaag acaggcagca ggaaagaaaa agccaaaatt 39120

tagtcactct gaataaaca gctgtaactg acagttggct gtattcatgt tttgtgaatg 39180

agtaaaccaa tgtgacttct gcaagtctc acagaaaggt aggtgtgaaa aagtcaattc 39240

cagacttgga ggtgcatcta tggtaaaaaa tgagtgaaga agaccaagag ggtataagtc 39300

tgttgtgtct caatcagctt atccaagaga tggcaaaaag agcacagagc accatgaaga 39360

ggtgggctga gcaaccacta aactcatgtt ccattgcggg actctattct acttcacatc 39420

tccatgcctg caatatgcag aagcatggat aaacctaatg agttttggaa taaatattat 39480

tactgtcatt ctcatcaca ctactgcctt tcaccaacca cttattgagg accaacaatgt 39540

atggttttcc attatttcat ttaatcctca agagaatcag gtgagaaaat tcaggcacia 39600

aaagcaagta aaaggaggga agatgagaaa atcacaccta gttttgtttg actgcaaagt 39660

ccaacttctt aaccactata ttacctcca cctggaaacc atgttgattc aagcaaggat 39720

actcaggagt caattaattc cactatgagg aagctatgca caagtaacag aaagtaataa 39780

aatagaccag gtgcaggggc ctaagcctgt aatcctagca ctttgggtgg ccaaggtggg 39840

aggattgctt gaagccaaga gttcgagacc agcctgggca atatagttag aactggctc 39900

tacaaaaaaa aaaaaaaga tatcgatata tatattatac atatatttta tttccatat 39960

ggaaaaataa agtatagaac acaaatagga aggatataaa agttaattac caagtgggaa 40020

tttatgcacc gccaaaataa accataatat aattgcaatg gaatttcaa gcttcgataa 40080  
 tgagattaag gataacaccc atttagtatt ttccattttc tcaaaattgt ctatccatca 40140  
 cataaatgta caattttttc cacttttagtt tatatctcag gactcaattc ctcacccaaa 40200  
 ctaccatgat acattcccaa ctgtaggcaa gatggatcct actattgtaa gagtctccaa 40260  
 ttcaacctat cagttagatt attctttctg caaacgagt tcttcctgct ttctattttc 40320  
 cactgaggca agaccactct gccaatcag caggctcaaa attcaaacag tacccttgat 40380  
 tccactctca cttttctcc caaataatga cactcattca atgaatttca atcatggact 40440  
  
 tcaactcaat gctttcaaaa tctctcatg ttgatttga acctgcgcta cctcttgtaa 40500  
 tttctcccta atcagtctcc acttttctgc ctctcaatcc ttcaatctcc ttctatatcc 40560  
 cctactacac ttaagttcct taagtgccag gactgtgtct tctctctttt aaaaccctg 40620  
 ctacgcttag tagaaagtcg ttcccagaat cagtactcaa atatttttat attgaattga 40680  
 atcctgttta ttgtgcagcc actaaaactc aaaagttata cttgagagg atacctatat 40740  
 agccacttaa gttcagtaga ttttattttt tttaggtact ttttagcggt gcagcaactt 40800  
 catggaggtc agaaaattta agtgggtcca aggaaattac tcaaataatt taaactgaac 40860  
  
 atgcctgtat tacataggaa gcctaccca tggcctgtgc tctcctaaag aacacagata 40920  
 tttcacccct acctgccgac tcatgtatca tttcagactg tcaccacctt gaaagaaaag 40980  
 aatgatttgt atcacacatt tgacttttaa tatgttcag gatactagt taacttgtag 41040  
 cagcttaact cactgcaggg gaatgaggaa agctgacaag acaagtcttc ggtatgtgtg 41100  
 ctgcttacta agagaaatgt ggaagcagat tctagatcac ggtttataat aagactctca 41160  
 aataatgccc cttagtaga acacatgatt aatacaaaga ttaaaaaaaaa ttaagacaa 41220  
 aatctcacta tgtcaccag gctacataga gcgcagtggc acaatcatag cttactgcaa 41280  
  
 cgtccatctc ccaggatcca gtgatcctcc cacctcagcc tccaagtaa ctggcactac 41340  
 aggcctgtac caccatgtcc caccaatttc tttattttta gtagagacag ggtttcacca 41400  
 ttttgccag gctgggtctca aacttctagg ctcaagcaat ccgcctgcct cagcctcca 41460  
 aagtgtgga actacaggtg tgagccacag tgcctggcca agatttttaa tattactgca 41520  
 gcctgactgt tagtttacct tcagcaaatg cctgttttgg gtatcttata tctaaaatga 41580  
 gtttaaaagc actaaaacat agcagtcaaa accaagaaag acttaacatg cagccttgac 41640  
 tagcactaca tagaacagtg tttagggtta agaatgcagc tgccatacaa caacaaataa 41700  
  
 aacagaaaac acaaattgga ttggatgaca gtaaataatct ggaggcatgg aataataaat 41760  
 gacgggagta accatgagcg ccagttaggt cttcagaatg atatgatgtt taagcatctg 41820  
 attttatgac attatgcagg gaagaataag aatatactca accaagcgct gggcagcggg 41880

tatgtgggat ggatgttaaa tggattggac agggaagtcc tgacaatggc ctccaagaac 41940  
cctccatgag ctatctgccc ctcacgtcc ctgctactct ctggctcat ctccaggtgt 42000  
tctttcatcc tcataccagt ctaacctggc cacgttgtct ttcttcccat tcctcaaaca 42060  
atccacacca cactctaccc tctgcctgga aggtgcttct cccatatac tctacatggc 42120

cgcttccctc atctccctca aatctctgct caaaagtccc ttctcaaaga ggtgcatttc 42180  
aattacccaa atttaaacgt taacctgacc cctgctccaa cagccctaca gacctcctt 42240  
atcctgattt tcataatta tcaccatcca acaaccaca gaactcactt atattttatg 42300  
tttatcattt attgtctgct cctgttact cccacacccc acccactca catacactag 42360  
aatgtaagtt ctatgagggc aaaaaatggt gctgtttta ttactgatt catcccagta 42420  
actagaaaa agtatagcat gtattaagag ttcaataaat acttgctgca tgactgatta 42480  
aatgaatata tgacttacag acctatcata actgagctac aggtattttt tatgaaacat 42540

gcatcatcca tattatgtgt aaaacactgt actaggcact atggatttaa aaaaaaaaaa 42600  
aagatacaaa ggaagaaaag acaagagtcc ttaacctcaa acaatttgct ccaaaattgc 42660  
ctcttaggtt attttaggac accacacca cttaatctta tctaccact tcctccaaca 42720  
tctgctacag acctttgtaa actgcacaag ttacaatgg aaaggatgca tgtcagggat 42780  
ctgagctttg agcagctgag tagtccttta agaaaagttc tcacataatt tttttacaac 42840  
tccattgcac tgcttatcaa gaaggaccac ataaaaagta taacttgtgt atgtcaata 42900  
tctgctgtta tcaaatggt gtcaaacgtt tagctacca aatgaactaa ttcaaatgat 42960

ccattttcaa taaacaatta actttaaatg taaacattta caactgatag actgcttaa 43020  
tgaacattca atacacttgt tttagacgtt taaggacttc tagtttctc aaaatataaa 43080  
tgagggtgca gtaaataaca tataggccct atttctttc aattttatca aggaaaaagt 43140  
gtgtcagatc attattaaac cctgtgtatg caacgtgatt tgacaatgac caaagcttgt 43200  
tacggatttt aattcctaaa aatattacaa ctggcgggggt atggtggctc atacctgaa 43260  
tctcaacact ttgagaacc aaggcaggag gactgcttga gccaggagt tcaagaccag 43320  
cctggacaac acagtgaac cccatctctc tttttaaaaa atttttaaat atatagtaca 43380

acatctgttt taaagtttat tgtgggagga agaaaggag gggtggggaa aagtaagaag 43440  
atagaaagac agacagaacc atatatgtga cactcaacct ggtctttgga gggtgagatg 43500  
atggtcattt tacttaagta cattgtatct cgtatatcct ttaatatcct aagaaagcaa 43560  
gttttgtgag ggtgacaaag agctctttct attattggaa tctgaaaaac atgtgagaga 43620  
aatggtcaaa ataaaggcca cattggccaa gtaactgaaa ttgaaaataa ttacaaattg 43680  
ggtattatac aagataatgg tcatgtcct taagagacaa gagaggagaa atctagcagt 43740

gtagtttgca atattatagc gcctaagcca aacaaattaa aatgaggagg tatggtggct 43800

acgtcacatg cgactctgta tcatgcaggt ctcttctgga ggctgtggc ccagcacacc 43860

tagcacagat tagcaaaatg tacctatctc acctgatcag ctggtttttc tttccctctc 43920

tttctagtgg aacacaaata ctacctaagt ctctgtatct gcggcatcct gcagaagaga 43980

atgaaaaaac atataagggt tggacagaca atatctgtga tggcctacaa agtttcacaa 44040

aggctgtttc tcagcaaggc aactatcttt ttcgaattac cctcaaact cacaagccta 44100

tcactcttct aagatgggtg taagaattca attggggctt acctaaagaa aatgatacat 44160

cttaggatgt aaagtcagat gccttattct gaactgtgat gccacacctc caatcttctg 44220

tggccttttt ctgtggcttt cctcttttt ctgacattcc agcaagaata cagcagccat 44280

aaatgtgact tctctcacag aacatgcaga tgtaacagc tctctacagt tctgcaggac 44340

atcaaaaaac atttcaagaa tctcataagt gctgactaaa cttgcctgaa ttaccacac 44400

tacctctcc acattcctta agcattatct gttttctga atatctgtag gcaaacaca 44460

aaacaatcta ccaactgagg aggggaagaa cctctacccc aaaacaaata ccaaataact 44520

tatccaacct atatatcaa aaaattatgc ctaacacaat aagtgaact ctatttagat 44580

attcaatccc caacactatc tgctcctact cataatccca caatccttct acagaaagtt 44640

tgagaagcta aacattacct catagactat gaaaatagtt gaaggactgt tcttgctatt 44700

aagtgcataa ttiaggcaaa aactaagaaa ctcttatttt tgtccattac ggtatattta 44760

aaaaattatc tttagaaggc ttatgtctaa taactatgca actaataagg ttactatttt 44820

atgaattaaa attctgcatt gtaaccttca tatatataac cacaattttc attccaatta 44880

ataaggcagt ttggcttctt caatgttaaa catgtcttga ggaaaaaaa agaaaatata 44940

tttaagtaa atgatagact gttattctga aaagaaatca aattcactga aatacatctt 45000

tgtaagaag aagaaatcag ggggaggaaa atctaggttg tttcactggg catagatttt 45060

gccatataat tccttgagta tttttctta aataattcta gatcaagagc acaaaactac 45120

agatgttaag tgctactatc atggtaatat ttgaagtgtt ttattaagaa gataacagta 45180

ccagaaacag atttccaact ggacactgcc aactgtttaa atgttccttg aaactatccc 45240

aaaagtttta ttatgatccc tatgtcagt atagatcagg tacctattaa aaactgagca 45300

ctgtgtctggg tctcctaaca aattatctca tttaatcttc acaataatgc catggcctta 45360

aggtattaat tttcccttc aacggatgag aaacatacgc taaataactg gttaaataac 45420

tgctcaaaat caaacataaa gcaaatggcc aggccagaat ccaacagaca ttttactgat 45480

cttaaaactc atgctaattc caattaaaca tggcgcgtca atggatttaa aggctcatct 45540  
 cattctttcc agggtttagt agtgactact aagtgaaga cacacaacag ctcaagttat 45600  
 ccttttaaag ggggcaattt agatcatgtc acttcctagc ttaacctct gatggcttcc 45660  
 agacatgctt agaataaatc cccaacttct agcaatggac tggccctga acttggtcga 45720  
 agctaccctg acctttgaaa atggcaatcg ttttcatctc aaggctttac ggttgctatt 45780  
 cctctgtcac taaatcttcc catcactcag ctctcagcaa aaatctcacc tatttaaagg 45840  
 tgtcttcctt gacaatctaa tctaaatgag ctccccacct agtaagtcac tctccagcct 45900  
  
 ttttttttat tgtacttate cctatctgaa atcatctttt tcatttttct gtttctttgt 45960  
 ttactgtctg tctcctccca gttccaatac aaatgcctgg agaggaggga ctcaccagtc 46020  
 ttgtcacta ttgattcctc agcatctata acagtgtcag acccatagtg tgagctcaat 46080  
 aaataaatat ttgttaaag gatgactgaa ctctaggtgc catggagaca caaacataat 46140  
 taggtaccag cccaaccctc gaaaagtgtt caatctatag gaggacaacc atacaaatga 46200  
 ttccacaagg caaaatgttt taagtgccgt acgtgaaata acaaagtagt acatggtttc 46260  
 aaataagaaa aaaaatttaa aaattatata ccaacataat attaaaaact acttaatttc 46320  
  
 atcacaaaaa agagaggaag ataaattaat ggagagaata catacacata cattctctct 46380  
 tgcacatgct ctctctctct cacatacaca cactctctct ctcacacaca cacacacact 46440  
 ctctctctct ctctctctca ctctctctct ctctctctca agttattcct cagagcgga 46500  
 atgctcagtt cagacgcggc ttggaagata taaacatcat tgaaattcaa aagcagttct 46560  
 gaaagagagg atgcctcaat tggatgcaa gggatgttct cccccctga atacattatg 46620  
 aacttgacg atgctaatat gccatgctat cataagcacc agatggggca gtaggcagta 46680  
 catgtcccat caaacctcaa gaagatgtat taatgttcat gctcttttaa aaaaaaaaaa 46740  
  
 aatcctttgc ctgtgtccct agacttccac atttcttagc attcagtcac tttctctcaa 46800  
 agcacagtcc tccagggtct ctcctcttca ccagatgggt ccaggaatca tttcaatcta 46860  
 ttttatcaca ggaggcagag gccacaaagc gtgtcagact acacttactg aaggcctacc 46920  
 aagcacaaaa gagaacaaca gaagatatgg gagacatcag aaataaatct tctcaaggca 46980  
 ttaccaatga aacatttttt aattacattg aatgcttatt tatgttgaac agagaaaaat 47040  
 aaaagaaaat ctttgtatat ccaaacttcc aagactaact gatattactg tgaaattgaa 47100  
 gtctacctaa atattctact catttgttta caagtaacta tcagaacaaa ccaacaaacc 47160  
  
 agaattcaag tcgaaaagca cctcccttg attctcagtc aacttagctg tgtgggcac 47220  
 tgaatacact gtcagaaacc aaggcataat taacaaata cataatttgt aatctctcaa 47280  
 glatttttaa aaatacatca tttaaataa atcatatttc tctacacaag tccacaaaaa 47340

taaaaagaaa aaataagatt aaatgaacaa tattgatttc catactttta ggacctaac 47400  
 tggcttattt atgacccaaa aggggcatta tctatagaat ataaaaggac acaaaaaata 47460  
 taatttacia aagtggttct ccacttgaat atgcttaaga atcctctgag ggcttgttca 47520  
 aacacacgtt acitgggtcta cccacagagt tcttgactca gtaggcttgg gagggggcag 47580  
  
 agaatttgta tttccaacaa attctctggt gaggcagaca ctgttgggtcc ccttgacccc 47640  
 atgttgagaa cgtggctaca ccatcctgta ccatgcttcc aaagtgttg actgaccctg 47700  
 tgagagtctt taatctgttt agaaaatcag caacattctt gtattaggaa actcaacaga 47760  
 tgagctaaac tgaccttcca agaattttta taatgcatga attaagagaa atgcttacia 47820  
 agtatctgcc gaattagcaa agattattct ttaagagat actgaaactc aaaagtctta 47880  
 ccctattcct ttcaaatgat ccaatgcaaa tgttgaaaa atgataaaag ggcagaaaca 47940  
 ttcaaagaga gcagcaatta aaatcattca aatttttaaa gaaaatatat attatatata 48000  
  
 gaatgaatta ttctagcaat cgctctagag tctttaagat aaattttacc tgtctatcaa 48060  
 attgttactt acctaggatt attgatataa gaaactattg gctaaattta tcatgtaaaa 48120  
 gataaaaaata tttcattaat acttctcttt gctaaaatct taccagtat gcctgatggg 48180  
 agactgaaac attataccca tctccacta ggtgacaaga atgaaaaatg gccaaactac 48240  
 atgaaaatgc ccaggtggag ggagagtcca tttccaaaat atcacacaca ctgtcaaaag 48300  
 ccccttgttt ctaattttag taattatgcc agaaagtfff aagtgttgta tgttgcatia 48360  
 tactttcagt aagtataatc aggataaatt acattgaatt ttaacatgca gctagccacc 48420  
  
 aataaagttg tgggccacaa aatatatgta ttttcttaa ctctgaaaga aaattctcat 48480  
 tctgaaagac cacttactga aaatttttat aagattcatt tcttaatttt tccccttgtt 48540  
 aattaacatg ctttgtgtat tatttctttc ttttgaaatc tctgtgagtc ccagtctacc 48600  
 tctcatccac tcaattatc attaagcaaa tatttgciga ttgcatactc tatgccaggc 48660  
 tcacaggtag cctggaatgg aattattaga actagaaaat caagatctga acataaatgg 48720  
 cagctttatc aaggggagtt gatgatgttt aaaatgtcta ttttaaacag tgaagaaaag 48780  
 aagctgtatc ttgggataac acagaagtgg agtaaaaggt tatacagaat tcagctctcc 48840  
  
 agcaaaacca cctacaaaga aacatgaaaa tcagtagggg tggggtgggg aagaagtggg 48900  
 ggacagactc agtgatgtaa attgatgcca caaattaaaa gtgccactta ttagtacctg 48960  
 gaaaaaaaa aaaaaaagac aggcttttca ggctctcact taagcatgtg ttttattatg 49020  
 tgatcaccat tctaagtttg gttatctggt ttccacattt gcaaataact gggatgtgta 49080  
 aaagggtggc aactgatag agaaggggta aaccgctgac ataaagatga ggcagaaaaat 49140  
 cctatcaagc ataggcaaaa ctcagaaaat ttcatctaac ctagacaatg tgcataagc 49200

ataacacttg gcactgtttt gtgggggggtt aaacactgtc tcctattttt taactccaga 49260  
  
 cagcatcgct gtctataaag aggtttaata acctctttat acaggtaac agcataatcta 49320  
 caatcactat tgccatcctg tgaaagttag caaggcagaa taactgtttc tacttttaag 49380  
 acaaagagag tgaaactctg gcagactgta aatggaagag cactgattca caatcaggca 49440  
 ttgacattct cgatgctctg tgtttttgat agatggcctc ataaaatata atatattaat 49500  
 tgctcataat ataaacccaa gtcacaaagc taaagataaa atacattcag cacagggcca 49560  
 ggcgcgccgg ctcatgccta taatcccagc actttgggag gcgggcggat cagcagatca 49620  
 ggagactgag accatcctgg ccaacatggt gaaacccctt ctctactaaa atacaacaac 49680  
  
 aacaacaaaa attagccggg cgtgggtggcg cttaccttta gcccagcta ctagggaggc 49740  
 tgaagcaggg gaactgcttg aaccggggag atggaggttg cagttagcca agattgcgcc 49800  
 actgcactcc agcctgggag acagagttag actccgtctc aaaataaata aataaattaa 49860  
 aaaaataaaa aaatacactc agcacaaact gatcagcttg tgattagtaa gtacaacaat 49920  
 tttaaacagt gaatgaaagt aactatggct taaagagata atcttgctct tgagaaacac 49980  
 tacaaaaatga ttcaattctc caagatgttt tgggaaaaag ttatttaact tcacaatgac 50040  
 atggtaccaa atgttttaca ctacagaaaat atgatcaaaa tatagataaa gataaaaaac 50100  
  
 caaatggaaa cacactcctc tatgtagtaa gtagttaaac aatgtcaaca acaggttaact 50160  
 ctctctttta aagatgttct ttagaaagat tcctaaattg tacaaaatag aaaacatttt 50220  
 gaaaacctag tcatgcctag gcttaccaac ttggggaggc acttcgcgtt tgtattaatt 50280  
 tattaatttt tttttgagac agggtttcac tgtgttgctc aggetggagt gtcattgggc 50340  
 gatcatagct cactgcaaac ttgaacttct ggatgcaagc gatcctcttg cctcagcctc 50400  
 cagagcggct aggactacaa gcacgtgcca ccacgcctgg ctccacttt atgttttagca 50460  
 agcaaacact ggtatataaa gaatgcctgg ataactaaaa agttgggttt tgcctctgac 50520  
  
 ttctatcatt ttctatattt tctaaatcaa ctatgtattt ggaatattct aggaagttag 50580  
 aagaaaaata atattgaata gaaagtttaa caagtgtttt ctatagacaa aaatatttgt 50640  
 ttigatttcc tctacgtatt ttgtctgtag gctatacaaa tataatgcta aagcaaaaag 50700  
 aaagaaaata aatgttaaca ggcctttcaa atgaagtgtt actgtaactg ctaagtatat 50760  
 aggttcagat acaaccataa caactaagaa acaatgtcca ttccacaggg aaaatgtcag 50820  
 gatcacagcc ttcttctctt ccagctttat cctcattagg acatatttaa atttcaaatg 50880  
 caggagtata taaattgtta cctcaggacc ctcaaatttt actatgtatt ttctcctaa 50940

taacctgaga atcattaaag caaacaagtc ctgaggaagg tggagaagtt aaatgagga 51000  
 aagttcaaac gtaaaataac gagactctca aaagcacagc aattgtcttt tttaaagtta 51060  
 gcaccccat caaaatcadc ccagattgtg aaaaatgctc agtttacttt gtcaaacctc 51120  
 ttaagactct tgtaaagtc ataaacacat gataaagaca cctcctaca tcccttcttc 51180  
 ctaaaaagca tttcacctag ctgattatat agctcttaaa gtgaaactct tcccagtatc 51240  
 atgttctcat aggtactttt aaaattattt tcttccatga gtgtcaagta ctctgtataa 51300  
 tgttaataaa ccacataaaa ttaaaagaat cctcttaata aagtgaagca gactacactt 51360  
  
 atcacttagc ctttaaaagc gaaatgtgga aaacaaaatc aagccttcta gagaaagcat 51420  
 cccacaattt taaaaatcaa ctgctttttt ttttttcttt gcaggagggtg ggggatggca 51480  
 aaaaaagata tctgctttct taagaatgta ctcatctact ggaaacactg tgcctgcttg 51540  
 tctaggagct cctgggggca gagccatgga taccaccag tctcaccacc aaaaaactg 51600  
 ctttttttta gctacacaat ttttaacaat ttgtctgcc aaggtgttga atatattatt 51660  
 tgctttctaa ttttctacta atccaaaaca cagaaaacca tccatctgac cttccgatta 51720  
 acaaaagata gccaggatga ccacattcca aaagccaaga aagtgatat ttcagttaac 51780  
  
 ctgtatagct ctgtcagga gtaatttat gatttctttt ttgttctgt atcttaatgt 51840  
 gccctatgat ttctattagg cttttcaaaa taataacatt aagtctctg atgcctatta 51900  
 attccattgt tctcttcaa gaggaatagt aatacacaga gaaataacca gcatgctaac 51960  
 ctgttttct caagatcatt ctgatgatg aaggctaag ctttttctgt tttattttt 52020  
 cagcaaaaag aactctacct tctatgtac tataattcag attcaaact tcccccttaa 52080  
 atgttccatc tagccttcat taaaaagat cctgcatca agccacaaca tacccaaccc 52140  
 ctctcaaaa taaaataagg aaacaaaag agaattcaaa gtccaggga tcccatctct 52200  
  
 accatttaac ttacctatg tccttgggca aactgcttaa tttatctgat cttcaggctt 52260  
 caaatagatc acatggtaac agaaacaatt tgcaaagctg tagtgaaaat cagaaagtat 52320  
 acacagtgcc tagccacag cctggcatat ataggctttc aataaaagc tgctcttagt 52380  
 atactatcag agatttatc cggtcagaga cagcagttat atattccctt tgagattaag 52440  
 aggtttttct gattccttg attggaactc tatgggttga aaaatataat taagctagac 52500  
 cttctcagaa agtacattta cattaatatt aattaatgca aacagctgtt tgagaaagcc 52560  
 agcacgataa acctgtttct tggtcagggtg tgaatccta ttgttctcaa gttatgagtc 52620  
  
 atttaagtta atgatttatt cctctagata tggtagcta tcaaagaact gcaactgtac 52680  
 acaagaagt agctttcaag aaatactaca cccactgcca cacacagaaa ttaaaatcta 52740  
 ataaaaacca aaatgaatgc cctatcctta gtataagaag aacaaccaa aaatgctaa 52800

gttacatgaa ctgagatcca atctgcagca agtagaagga gccaggcaag gcattccaat 52860  
 aggcgttcgt gtagccatt gtgcaccc ttccctatgtc cctgactcct aatccagggtg 52920  
 ggatatctacc cctctgggct cctgcatgat ctactatgtt caggccctgt ttactttctct 52980  
 gctgggaaca ctagaactcc aaacttttgg agggcatgga gggactgaat catggttatc 53040

tggtatctgg cacattttga gcaacctaca aatgtctact acccaacttt cctcattaca 53100  
 gtaactttct gttgtcgtag ccttacattt ttggttctgc ttaatactct ctttaattac 53160  
 tataatatagg ttccctaatt cccaacaat tataaaataa atttaatagg cacacttttg 53220  
 ccataggcca agtgattatt gtcacagaat ttctctccag gtactctctgc aatcctagag 53280  
 tgggagggga gaaagcatac gatgagagcg atccaggact gaagataaaa gacaacaaag 53340  
 taagactgac actaatatgc taacatgatt taatgtacat ttgagattta caaacagcac 53400  
 agttaagaaa atgtctcaa aagatcttct tactttcata aactacctga acaagtcctt 53460

taatctctag gagcctcagt ttcaacatct gtaaaactgaa ggtgctcgca agataaacct 53520  
 tcaagctcta aaatatatat atctgttccc ctgatggctc agaaggcttt tcagaaaatt 53580  
 ataattacag catcttcttt gcaaacatcc attaacaatg tagtgataag atagttaata 53640  
 aacatttcta ggctatataa tgttctactaa gcaaatgttt actttaagaa ataaaaataa 53700  
 acaagtagtt gtcttatgaa agcttaagat gtcataacca tcacccctt caagaaaaag 53760  
 attaaacaat tatcattttc aatagacat taactgcaca ggaagatggc ctgtgaaagt 53820  
 ttccaaatat cattttacat acacagaact aaaaggccaa gtactctgaa atattaacag 53880

aaaagaatgt aaagagaagg gagagggttt cagggtttga agggaaagctg gactgtctac 53940  
 atttctgcta caaaaaagta atgtcgcata atctacattt ataattgggt atttacaact 54000  
 tacatagttt tcttctatag ttggcacaag ggttggttga tacagcaaag agcctaatat 54060  
 aatggcaaac caacttgcaa agtaaaatag agtgtcagtg aatggactgc tgtgagtgtt 54120  
 tttattcttg cataatagca tttagatgca tctattaaaa aaaaatccaa gtgcattatc 54180  
 caaatgttca gttactaggg atactaacag ttgtctgtcc atggcaattt catttctgtt 54240  
 tttttacaca aatcatcgct tgcaagcatt gatgttaaaa acagaaaaat agtctagtag 54300

acagtggcta taaatgcca atcaattttc agcaaataat aaagtcctg ttttacaatc 54360  
 agcaatgcac tgttttacta cccaaaaatg taagctaata atatatagct ctactaaatg 54420  
 gaaaatgcag atatgctgtt aaaaaatggg ccggctgtga gaggatggat catttctgca 54480  
 gggaccttct taaagctatg tgtaagtgtt ttgaaaatat cacatgatgt ggccatgtgt 54540  
 taaaaattac agccagttaa gttctctgct aaggaaaata tgtgggcaat ttatgaaatg 54600  
 cactccagga tggagatgtc ttaagtaaaa ccagattttg aaaacaaacc ttttttttct 54660

ctcttttggg aacttgaact taaaaaaaaag ttccaggcac atctggagag caggaccatt 54720

gagaaagggg ggtctgacct aatactagcc atcttctaaa agaaaaagca ctatttctgg 54780

gctacaggga ctgtgtcac ttattgtcct ttaaggaaa tagtctgaa agcattttgt 54840

aggtcaacat atgttctttg ataataattt acaaagattc ataaaaatat aagtgtttca 54900

gaaagcttgg agtcactgcc tcttgaacaa atataatgcc caaggtctcc cagccttctc 54960

ataagaaaac attttccttt tcttaaacac aaggatctag ttgttacaaa agtgacaggt 55020

agtaaaatga tatttcttta taatgagtta aacaattttg aaataatcta tttctttaaa 55080

gcaccttag cctcttttga cttatatagt tcattttgaa acaatatgct agcaacatct 55140

ttaaaaacat gttttttaa accaaaatag ttctagaacc ccttaaaacta agactttttt 55200

acttaccac ccccaaagat tgggatgtct gaataagatc agtttgtgca catctgtttc 55260

caggatcct caattttata aaaaaaggcc ctgatattgg caattgttac atcatgtctg 55320

agacaaccag gaattagttc tgatacttca actaccaa atatatatat atatatatat 55380

atatatatat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtatgttgat atatagtcac 55440

ttaagcagta gatgataca gagtgcacag aacacaacct tttaatcttc tacacataat 55500

gtcttactta aaaatataaa acctgccccaa gatggctaaa atcatccatt aaaatgaacc 55560

tatatatatg gactaaaata agctaaaaac atatttagag gtagtccatc caatagtaga 55620

atttaaaaac tacagatggg tgtcaaaaat agccaagtgt caaatctgct caagtatcgc 55680

cattctggca catgtctata gtcacagctg ttaatatatt ctatgtatcc aagtacaagg 55740

ttttctaaca cagttgatga gagagagaga gagagagaga gagagaagca gtgcccacac 55800

ttcaggctat tgctgtagaa ccagatgtat taacaacaac actaaaacaa acttatcaat 55860

gactctaaat ccctaaatat agttcaatgc tttttaaata aggggtgcttt gaagcttagt 55920

ttaaaatgat gcaattagct agaagtagca agggctctaa ctaatctcgt tcacctatta 55980

taattcaca atggctttgg tttattatgg ggttttgttt taaaaatta acatatagac 56040

tcttcaaat gctgataaat cagatcattt aacacgttta ttaacagcat aaaaaagatc 56100

tgaattatga cataaaaatc agataaatgt gctcaatatt ctggtgaaat aaaaaacaca 56160

ggcactttca cactgattct gtattatata ccagggcac attacatctt tagttgcatg 56220

gtgcatata atcaagatga aagcttaaag agttaaaatg acctttcaaa gacctcagtc 56280

attgtctttt tgiaaattga ttttcccat aattcagcta catacattcc tagtctacta 56340

atgaaaaagt gcaattctgc cacaaatgca tcctttctgc atatatatca ataagatta 56400

ggatggacga gacacatcct aaagggaata acattcttca aacaactggc aatacctaca 56460  
 cacaactgtg gttgcagaaa actggcagat aatgtttcaa aacaccatct gtgaggtgta 56520  
 caaactctgt gaccaagcac agcctcttct gcctgtccta cccaataat ccacataaat 56580  
 cgccagctg gaggatctct atctgccctg tctttttat ctgaagatag gaagctccaa 56640  
 attaggcaca gggcaattta gacagtctt gagaacagcc gaaacaaccc tttccccggc 56700  
 cagccttctc cacaagcaga gccttctact gcaacgatca cagaaacact ccaggtccca 56760  
 aaaataatat tttcagagg aaactgacat gcactaaatt tccaggacaa gagcttact 56820  
  
 aattcagcag gctttttatt ttaattaact gatttcaatt attgtctga tgacatctaa 56880  
 gggctgtgat ttaggacaag actgaaattc ctgtagtctc caaagcttcc ttcactttct 56940  
 ctgacataaa cagcttttta aagagatctt attccaggat tctgccataa tctgaaaact 57000  
 ctctccacag atgaaatttc caggacacca agtacagatg atagtacaa aattctgaac 57060  
 agaaacaata ctcttactt gagctaaaac cctcaagtaa attactccga caaacatccg 57120  
 tggctgtacg accccctcaa cttttaaaat acatctccca aattttaaa gcaagggtc 57180  
 cacacctgt acccctccat gtatcaagat ctttgtggtt ctctttatgc taccttccaa 57240  
  
 tcacacctct gtcaccccca gcctcttctt gccacatca gatacaacac gctgtggggc 57300  
 agaaggtatt ttcatgcat aatagaaagt aagctttctt cattggaaaa acagagagaa 57360  
 cacagaacag ggctaaacta ccaggcatcc ttgaatccag cgtaccacac agaaagtggc 57420  
 tgtctcctaa aagcaagcgc gttccgggct catgcctctt gttctggaat gagtggcagc 57480  
 agagaggagg gccatcagag gggctggggc ggcatcgccg gaggcagggt gctgggcgcg 57540  
 tgcgcctgcc aggcagagac agatggagag ctgacactcc ggattgcact tggagcagaa 57600  
 atgtggagga tgacaggagc acatgtggcc ttgaaccag ccctgtctct ttaggcagaa 57660  
  
 caatgacagg gatgtgtgtg caaagtatca caaccctac cctccctta gcactccacc 57720  
 tctctctgca agtttcagag caccaaaaag caaaaagtga aattcagaat gataagctaa 57780  
 atgccgaata atttattcac caccacccc atcctgttca aggttaacce ttattttgcc 57840  
 aaaagataga aatgtagacc tggcccccct ccaccctca caataaaagg ctcccttca 57900  
 tcttctcatt ttcatagcca taattgggaa ctgtattaaa aaaaaaagg tacagaactc 57960  
 aaagcctgtt tattcaactg gaaatcccaa acagcctaca aacattttta taagactttg 58020  
 tatattgtgc cagtttatca tcctgcacaa agtatcagaa tcattccttt tgtcagcttc 58080  
  
 tcagtagtat gtgtaaaata gaacactttt tagaagctga gccgaccact tttattttac 58140  
 tcgagtgtct ttaacccctt gggatccccg ggttgatatg ctccaaacat tttcagctta 58200  
 ctttctctta cttgcatag agatccatgg gagataaaaa caaatcttc attgtaaagc 58260

cttttcaaaa gcigaacaat catgtcctcc tgattcctga tttctttgca caccctaaa 58320  
 tgtttatect tcccatgaat aacacatacc cagccagggt caatggactc ttcctatta 58380  
 agctttaatg gacaccatga tatataaaac tagaagcctt tgttatagtg ctttatctaa 58440  
 agctggctat tttcttctca gcagtccttc tttagtcctt tgtaaaacat ccctgcctca 58500

taggagaaac acacgcctgc ctgccttgca tgcctcttct aaacacacaa caatgccagg 58560  
 cagaaggaaa atactgttct ctctaaaaac tctttctcag ttttactt gcaaactttt 58620  
 cctaggtctg tgtttgtttc aacaacaggg cacatgatga ggtagctgcc tcaggcttta 58680  
 cctttccatc gtatgcacaa tccactatca acacagaaac aattccactc agggctctct 58740  
 gatcagcctg caagctcaat gaacatgata gacaggagca ttcccgttaa ctcttgctat 58800  
 tccttcagtc ctcaacatgt cctttactta ctctacactt tccatagtct tttagccctt 58860  
 gtcagatgga tttccacact acttgctatc tccaaaaatt tctgaaaaca gaggcaataa 58920

ctctgacttc tactactca atcttctac acctcttccc aagagtgcac acaacctgtt 58980  
 tcaaagcata cccacacaca ctctccgcac aaactaaaaa tatattctct tgataaacag 59040  
 tgtcaatcaa taagaacttc tacagccctt aaatactgta cccaagaagg gctgctttat 59100  
 ccagcgaacc cctcaaaaat ccatcattgt cagagacaac ttgtaaaaag accacaattc 59160  
 ataacgatta ctctgttctg tcaactaatg tatactgcac cctattttatg aggccaatct 59220  
 ttttgttcat cttagttaga tgtcacttgt aatgaggttc tctgtaatgg atttcagtac 59280  
 agttaagcac caagctcaaa cattcttatg atagaaagct ttatagcagg catgagtgtg 59340

ataatcaatt aagtcctgct ataaggcct ttatggaatc cagcatccta aattagtaga 59400  
 ctttcatttt taaagagagt atttttgaaa agccacttaa tgctacatgc cactgatttt 59460  
 ttttttagta ctatacttat gttagaaaga aaacattttc acagtgggaa acccaacctt 59520  
 tcatcaatat gcatggtgaa tcacttctaa aatagaaaat catatgacaa aatgcaatac 59580  
 acttttgaga aaactggatg atatccggct ttaaaatggg gtcttaatat cggtagactg 59640  
 caagtccta aaccgcagct cagacaattg aacttcata tgctgtgtga ttatgtatct 59700  
 tttctatgtg taaaaaggct ttttaagctg ttatctgact acagtaattg ccactttaaa 59760

ttgatccaca tcaacaaaac ctggatccct ggagattctc acctagaagt ctgactgcag 59820  
 cggggcctag ctgaatgtgt gtgcatctga gactagtcca gcattttctc aagaaaccag 59880  
 tttctctctc ttattcttta atccatggag gcaagaaaag cagaacccca tttggcagtt 59940  
 ctccctgaat agggaaacct ggatatgtag ttctacacag ttactcagac agaataactt 60000  
 ttcgttcata aaaataataa aataaataaa taaaaggagg atatggagcc aagatctcta 60060  
 acatccaaat tglataataa aaatagacaa tcaataacat gatgaatgca tttatgcaag 60120

tgaatggaga aaaacaatac atattgcaaa agttttctcc agtacaaaac actgtcataa 60180

ggaaacatat ttataaaaac taaaatataat cccaataaca aagaatacat tactcaccaa 60240

ttaagtactt cctcaggaga acctcatcgg ttaatgtatg tcaactgaatt aagaacacag 60300

tccattttta aggcaatttt ttagagagag tcatctaaat caacactttc caaaccagta 60360

agtttagtca acaacaaaaat gctgggctcc cacaaaagca aatacataag ttgttttctg 60420

acaactttag atcattcatt agaaaggcat tatggatttg tatgattcca aggtattttt 60480

cacttatgtc caccacaaac ctttcatgaa atacaaattt ttcctctgtt caaacctgac 60540

ttagcaacag ggaccagcag tctactgaca tgggctgcag ttcaggaaag ctctctacat 60600

tggtgaaggg agaatttgag ttaaagcctt tccacaggtc ttcicaactt tcctctcggc 60660

ttctagcagg ctgttgtgat acactgtgac ttcacacagt gggtattaag tgagttaatt 60720

caaaggagct gaaacctcat tgatcctaata tgaagcaat acaccaacc aaatactttc 60780

ctaccccatc tgctctggcc tgccaccaac tattcaatac aagagaatta atagtttcag 60840

atatttctaac cgaccaata aaggcactca ttaagcagg gctgcattaa caaagtgaag 60900

aaacaagggc aaaaatgggtt caaatggagc attttactcc tagttggctt taacaaagct 60960

gaataaggct tattctgact ttttatgtgc aagacttgat aaactgaatg agaaggcact 61020

caatgatcac ccaacgagca ttgatgaatg gtcattaaga ccccccgtct cttagaggag 61080

acccttcac aaagtggcac accagcttga aagggcagac tcaactcatg ccagatttct 61140

ccgcttgctt gtccacttt caatttcaga ccaactggcca ccaaatgagg ctgacatatt 61200

ggaaaataat gttttatggg cgagtggtaa aaaataaaat ggaggcatta gctctgcttt 61260

caaatcaaa tcigttagtt ttgtcagacc ccaaaggttt tgattttcca cccagctgga 61320

agctattagt gttttctaaa ggcacccac tgataaggca aacctaccta atgtgtgagt 61380

tgttgggcta agggagatgg acctctcttt tggatgattt cctaacttct catcactttg 61440

acagtcaatt aaatagatac aacacctaata aaaaatgtac attaatttgt ttctgccact 61500

gaaagccatc tgaactgta ttaataaaaa gccataatag attgtccct gacaaagata 61560

aatccaatta tactttgtct gcaaaaaaac acaaatgggt tatgttttag ttaggctaca 61620

atgtaagata cagctaacca caagaataa gtgggataga gggggaaaga aaaaactaag 61680

tgaaaaagt cattgaagta tccatcaag gtaagaggt tatctgtcat ttagctccc 61740

ttacataaat gtctgttgta aacaactaaa cacatttacg ctattccctc aaatatttc 61800

tttgggggaa atgattggca agcatttgca cctctcaac tttcagccag cccgcagaac 61860

tcacaagaac ttigcttaga tgacaaaaga acaggagaca ttattgccat cttagaatt 61920  
 tgaagggtgt ataacatca tgaggttaa ggtttat tta gggctgtcca agagagccta 61980  
 agtgctagca atgagatgga gtcaagtaaa agaaaacatg ctggatagag gaaacctatc 62040  
 ttaatagggtg attatacaga cattacagac gcggaaaagc tttactgcct caatcacatg 62100  
 caactagtca gacaaagcac tatagaacac agtggcccat ggaggacatg ctgtaggctt 62160  
 gtttagaaat cctcatctac cagggaagt ggaggctga gagctagaag tcacaacccc 62220  
 tagccttcac ctatgactta tgtaaaactc atgggtctcag gtcactttga tttttgcatc 62280  
  
 tccatcagtt aaagtaagtt aataatggac tctacgactg tactttgaag attccaatgt 62340  
 taaaatattt taaataatga ctctctaaac tgataaacca aatagtctct atgatatctt 62400  
 tttttccatc ttcaatgtct acagaataaa atattagtga tatcattctg acagtttttc 62460  
 aagcaatata ttgactttt aactctggtt gaagtacaat gtcctcttat acatgaataa 62520  
 aaagatgtgt attagtatat ttaagttgtg tgtgcattta tgtgtatgtg tacaaaaatg 62580  
 aagtctgttt aagacaaaat atcacactga aagtaacaa aatctatatc tgtaattatt 62640  
 acaaattggt tctgatagtg ccaatgcctt taaaatatga caatatattg tagttcattt 62700  
  
 ccaccaactt attttcaacg tctaataattt taaaattttt tgaaatgcta taacagcttt 62760  
 taacacttgc actgattaaa ttttatgcta tttaaacaca aattttaaac atactataat 62820  
 aatacagtta aaggtagatt cctacatagg cactagcaag gggttaaatt atgttaaaat 62880  
 tttttaagta aaacacttcc ttattaatcc acaagctgaa cactagctat gttactgct 62940  
 gtttttttc aagtaaaagc atttcccata aaacaattcc taaaaactat acatttgcaa 63000  
 tgtaaatctg caaataagtt accatttaca gttttctcat attttgtaca gctacaaaaa 63060  
 tcactcaggt aacatggaag acatcctaac tacccatctc ttattcattt gacaaggact 63120  
  
 gtaacactat atagaaaacc ttgttttcaa tgtcaccacc tctcatctt gactaatggc 63180  
 gagttagttt tgttaaaacg caagggtgat ggcatatgct ccaatgaact ttcctcctc 63240  
 tcagcaacag agacaaaaac ctgcagctct gctctgtgca ggcagccatc tggacagctt 63300  
 tccctcaaag ccagccccc accacactgc aggcaaaatc ggagggtctg agagctctgt 63360  
 ggggctattc atgacatacc aatttcacat tttctgcttg tacgcttgca acaataaatg 63420  
 ctaatgagga ctatgaatga caattttaaa gacaataaaa aggtctccaa atcccttgca 63480  
 tatggagaca ctgttttcaa aatttcacct tctgttacag agctgtgaga gactgcagga 63540  
  
 gaaaaaaaga ataacctaag gaaaacaata agatgatcaa agcacaactg aatccttaag 63600  
 attttcagag aaagcaatct gtgtgagccc agcaacaac agatcttacc accgctatga 63660  
 acaacctat gaatacatga gatacttta atctcactac ctttgccttc tgtagacatg 63720

cagcttaata aaagcaattc ttgatgaact tgattatatt cattatittg gagcctggga 63780  
attctaagga tagtatttgt ccaaaaataa ttatagtaat aatcatcatc atcatacttt 63840  
ggcataatat ttaacattcc agatatcttt aaataaattc aaatgcaaac tggttctctt 63900  
ctgataatgt ctattcttaa aaataatgca attgtgggtg gtgaaattat atacaatatt 63960

tattccctat ttttttattt ttctgtattt cccaaatctt ctaaaatgag catgtattat 64020  
atittgaaaa aaaaaaaagt tactttcaat gcattgaaag aactgaacaa atgacacata 64080  
aatgttttga cctagatagg aattaaacta ttttacacag caacaaaaat aaaacaaaag 64140  
atttccctat agttcagaga aattgtctaa agagtgttct tttcattaac aaggattaaa 64200  
acactttcaa caaaatccac cagggtggagc aaatacacag caataaaaaa aaaaatccca 64260  
gaattttttt catcataattt tctttcacag gactttcatc tctaataaat tctccactta 64320  
tatctctcca cattgcaaat tatcaaaatc tatgcacaca tactaatctg ccacgtttat 64380

aaacaattca aagttactca aaaatgaatt ttagttacaa tgaattctat tacaaatgtt 64440  
cactccaaaa ctgctctatt tgttcaaata ataccagca tagtatattt gcttttatat 64500  
caatgtaaat ttttaaatta atgttttaca gtgacctac agggttttac caggcaaaag 64560  
agaatttaat gcgtatatg ttgaaataca ctcaagaatg gttaaagcct ataaatctca 64620  
atgcaattcc cttactctat atggaaattt ttactcttac tttcatttat taaaattctc 64680  
cttaactgca tataccataa tcttatataa attatggatt attgtacctt ttttaccat 64740  
tatacctaaa tgcctttttt tcatcctat tgataaattg acacaagtcc acaattagtt 64800

atatgttttc ctttcacttt ccagagtaat tcactgcctc cgattctctt ctctcacaga 64860  
ttgtttttct tgcatttcag tccacactta ctgagcacc cagtgcaag tctccaaacc 64920  
caaattcttt catttctgac accactgca aaccacaatt ctccccattc agttttcagt 64980  
cttccacatt tttctecat tatacactct ctgctgcca agcttaaagc tacacatggt 65040  
cctaattgta ctattgttac ctgcatthaa gaagactcca cgtggacaga actacaaaaa 65100  
agttggagct tgaagaaac ctgccaagag ttgtttggtg gaggagaaca ctagttagga 65160  
atattggctg tggtctaaaa tatatttata tgttttcttt tttcatattt atactgatgt 65220

tgaaaagaga aatactctaa aagaaatgca gcaggctgat acataaataa acacgcacat 65280  
gcctgaggat acacataaca cttatggcag agctacttac gctgtgcata atagatcacg 65340  
atgatgccag ctccatcaca aggcgcacca ggctaattgca attattttaa ttattatata 65400  
tgttttactg gagtggtaaa caaatatata aaatattgac attacttcca tgtgatatgc 65460  
aaaacaagtt tttaaaaata ttcccaccaa aatcttcctt gcaaagccca atctctattc 65520  
tttgcaaagg acagaatcaa ttccttgag ctgtgcttat gcactaggca aaggtatata 65580

ctgctctctt tacatgccca taactcctat taacattaat gggaggcaca tatgtgcatc 65640

taaagggtaa atgcccttca gtctgcatga cagaatccta atgaagtagt tggaaaaacc 65700

aaatcactgc acatgtagtc acactttccc ctgcctttgc aggaacacc accaccacca 65760

cctttgtttc ccaaccaca gcaaagacat ttcacagcc cactgtgtgg acagatttc 65820

tcttggttaag ataaaatcct cttatattca tgggatctcc caaatggctc catctccaag 65880

cacttctcag aatatttacc ccatgttacc ctcaaattgg ccacacatta ctgtgcaaat 65940

attatttctc accacctcca gcttcgtcaa agagtatggc cttcccaca gcaaatgtca 66000

aagaccatat tccaattcca agaaaaggaa aaaacattca agtgcaaaag ttctatcacc 66060

tttttttaa agiggactat tctattttca tgggcagatg aagattccaa aaccgcctca 66120

taaaagcaat ctctgagcta ctactccac accagactac taatgagtct gactggaaaa 66180

gagcaacaca cataggacac tatataatgg gaactcagaa aataagaacc caacaaacta 66240

aggccagccc tctactggtt aacgtctgtt gctgctgaaa cagattgttt catagcaagg 66300

ccagaagtgt aaaatagagc caaatcttta gatctttttt tttttaatc aagcatgtct 66360

gtcagtgtgg tcacaaagg gagagcagg gacacagcat tggcaggaac ctcaaattcc 66420

tgaccaaacc ctctccaca caatgcctcc cgaaagaaag gaaccaggg tttgagccag 66480

cctgacgtg gcggacagac agggctggcc ttgcaggatg tcagagcgcc aggcggctgt 66540

gagagatact gggttttcac acactcccag cctgactgtt ttgctcttca ggtaattaaa 66600

caaggaagca gggctgctgg gtatgagcct gaccccgaag ctgcggctcc atggttctgc 66660

atatcaactt ccgaagaac tgcccggagc atcaacagaa cattctctc tcaactctc 66720

tcatttctt ctccacctt tctaaagct gaccagaaa caagtcctgc ctataaaaac 66780

atccagagaa aggtctgatt ttattgtca taaaaatctc tatgtattc ccagtcatta 66840

ccctccaat tttaaaaaac aaaaaagtac cttaatggca gaaattcat aaaaattcat 66900

atacagcaaa tctgtgtaaa acgctggtat cttaatcaag atggatcaaa gaaaattgta 66960

ctcaataat tataattttt aacatgcttg attaaagtgt aaatcttcaa attcaaagaa 67020

ggctcaccaa gaaataaatg atttgatag tccagtttac aaattaaaca ttgttgtgt 67080

tacataatta acattgttat tttaaattt gatagtggta attaatgtaa gcaaatacca 67140

tctatgatct ggtttattat gtttcacaa aaattttatt taaacaaaac tctaaaatat 67200

tttgtgtgtg caaagtcacc aaactcagga atatcaaca taccctttaa aagataagaa 67260

agtggtatat ttatatacat atatataatt aaacaatgat tagaatcata taaatgatat 67320

actcttcttt caictcaaaa tccatacagt aaaatatgg ctgaaagaga cagagaccaa 67380  
aagagagaag aatacaaaag catgcctgct tgtctgtgtt caacacaaag aacattaaat 67440  
gaaaacaact ggcatgctgc caaatctcta tagaggcaaa gagattcaaa taaattgatt 67500  
tcacgcatca cactgacctg ggatcagtggt gcagtgtctac aataagctca aagctccatg 67560  
tgggttaaag cccattaatg ctatcagacc cctcaaacat gaccaagaaa aactaaaaat 67620  
aagagcagat actctctaaa agcagcaatt ttacttaata aaataacttt cctcttccta 67680  
acaaagatac caatatataa aggtgcacag catcatctat atcagcattt taaaaatacc 67740

tctttttcaa aatacaaatg tggcttttga aaccacaca atatgtaaaa attgatacta 67800  
cctatatatc ccattccatg atatgcatga acataaacag gcactctttg caaaaaaagt 67860  
ttcctgtcat tctttctcc caagctgctt cctcttacat cttttagaaa acatatggat 67920  
ctttttaata tgtcaaatc tacacccttc ttagaattgt cctcaatggc ttatgatagc 67980  
aagctcctca ggccagacta ccactcctag gtgtcccaaa tctgtctggt ccctacaatg 68040  
gcaggcatta caggagaacg gctccaaatg gcattctaga ggaccaagca ctgtgtgtac 68100  
cttgggtatg ctttaaaaca ccaggtggga aacacaacag cgttctcatt ttaccagctt 68160

ccaccaagc tgggtggcata cccctttagt atcatttccc accctcctgc cccccagcct 68220  
ctgcctaac agaggcccat ctccaggaga ccccgacctg cttcaaatg gctacgcaga 68280  
ccagactctc tggcgccacc tcaggccatt ctactcaca atgcccactg ttcagccatg 68340  
gatagtcctt tgctttatct gcttctaaat tacaactcca aaactctaag agcccaatgg 68400  
attccagggt ttctaaaatg taaagtatgt gatttctgtt ttccaactt cttgagtttg 68460  
aaccctatat ttctatacac ctaatatatt tacaagagg aaaaaaaaaat taggagtaat 68520  
tattattgtt agtatatttt ttcatattt taaaaacagg gccttgctgt tgcccaggca 68580

ggagtaaac ggtgcaatca tcgctcactg cagccacgaa ttctgggct cgagcaatcc 68640  
tcccacttta gcctccaag tagctgggac tacaggcatg tgccatcaca ctgcctgaa 68700  
tttttaattt tttttagtag atggggcttc actttgttgc ccagactggt ctagaactcc 68760  
tgagttcaag caatcctct gcctcagccc ctcaaagtgc tgggattata ggtatgagcc 68820  
accatgcctg gcctagaagt aaatttttaa tgccacatgg aaaacaaaga aaaccaaca 68880  
gttacaaat aggtcaatc aaatatgtat atgtgtatc agacatcatg tttaaagtat 68940  
gtacacacac cacacatata ggagagtagg agagacagag aagaaaaaaa gaagaaattg 69000

cacattgtgt ttctgatata tgatgctggg ggttccgtac atgaataaca aataaatgca 69060  
ttccaaatta tattaagata tgtgttcttg tcatgcatth ttgctttcaa tatagatctt 69120  
ccatgctgca atggttcatt gccagcaggc cacagatata ttccacatga ccagaaagga 69180

atagattgtg atggaatgcg agtgggtaaa gatagtaact ctatgtatct gcaatatgtt 69240  
 caagctttaa agtccaatat cctttttgat ttttaatctg catcttagat atctttatca 69300  
 tattaataca aactccacgc agatacataa ggcagaaacc aaggagttcc acagacacat 69360  
 taagcccaag cttaatgtgg aagcccaaac tgggtgaaga tgacaagaaa acaattctaa 69420  
  
 agcgggatgg ttattattat tagatttttc ctttaagata ttgatacctt ttttttttct 69480  
 ctatgcaaga ctttagcagg ctaatcaacc aagatctgag ttctcaaaaa accaatgttt 69540  
 agtaacaaca gtgcataagg ttaagaaaag agaagtagtc atgggagatg tctcaactgc 69600  
 ttaaacaatt gaactccttg ctttctcttt tgaattgatg tctctcatta attgtattaa 69660  
 aagaacatca tcacagtatg aagaaggagg aatgaaaaga agggaaatac agacacagaa 69720  
 accaaatcat gattaaggct tcccaaagg agtgtatcat cctacaggga attatttcat 69780  
 tttctctggt ctttcaagaa aaaaaaaca caactttatt ttccaacacc ttcctgagaa 69840  
  
 ctttaagaac aagcctataa gcatttghta aaatggcaag agtagacatt gtggggtgga 69900  
 tgctagcagt gatgtttcca gaacagtggg caccaagggt gagtatttcg ctccccctct 69960  
 ttctacgtag tcagtcagtc agtcacagaa cttaaaatct cttcccaacc actagagtgc 70020  
 caaccagtat cacacaacat ttgtgttgac tctcaacttt ttttagcag tggatcctta 70080  
 tgccctggtg cttctgcaca agtcactat ccactaaacc tggaacagag ctggctacag 70140  
 gagacatgaa ctctctccca taattcaggg cttccttgaa ttttcaaata ttgcagactt 70200  
 taagaagtct ctigccaaat ggcaatacat ttagtttata tttgctgttt tcctaaatta 70260  
  
 agataccacc ttttttctta atgtgtctat ggaatgaact ctgcttagga agtgacattt 70320  
 gcctaaaagt tttttaaaaa tccaataaca tcagaagaaa taataaactg aaaggcagtt 70380  
 ttttgctat ttagtcaaca aactgtttca gaaaacacca tctcctcggt acaataaaca 70440  
 cagaaatcat ggcatagttt ttactcttta actccaagta ttgctcagct tataacagat 70500  
 gtattatgaa acatggcaag aagcactgca acaagaagag ggtgaaaaaa tttggtactt 70560  
 gatcatttga tatattcaga cccaaaacta tcaaacaggg ttcccaccac cagattgate 70620  
 cccaccaat cccacaccc aaagatttca aagacaaatg tttaaaacat acaatagaac 70680  
  
 aggactaga agaaggaaga aaaaagaaaa tctttacaat tataatttat tggaaaaaat 70740  
 agattgattt tcttggtacg taagttaaatt gcaaaatcaa aatatgttc tgttccttac 70800  
 cttgacaata ttcaaagttc ctttttttcc ggcagtcacc tattactaaa ctacagtctc 70860  
 tccaagtgtt tcttttgaca gatacattc tccaccaatc gctctgctaa tttcctctct 70920  
 ctttttctga ctgggacaga gattatgttc accagcccag agatcaatct tttctattga 70980  
 caacaacaaa gggaaaaaaa atgcatatat cacaaccagt ctgaagtatc ataccatct 71040

gtttacatga taacactagg ccagttttgt tatgttttgt ttaaaaaaaaa aacagataca 71100

agctcttcta aatttttagaa gaatccaaaa caatcccat tgtctcagtt cctatcatga 71160

tgttttctaa aggactctta attttccaat catctgactc aaagctggat acattctcac 71220

cctgaaagct ctcttttct taaattgggt ttaaagatat gcacatcaat accctaagag 71280

aatgttacat ttacctgtt tcaaaaaaat aaataatctg tcagatatta tgttttcttt 71340

agaaaacaat ttagacatta ttatttatgg aattttacac acaagttaat cctgtttcaa 71400

aacaaagtg tttgtttcat tattcaaatt ttgtttcgct gttctgaaat ttcagtattg 71460

ccattattag cacacatagt ttaaaacaac agtgaagaat aatccttatg taatagaata 71520

gttaaaaaat attaatgaaa caaatattgt tgaattattt taccaaata acaaacttct 71580

acaccttttc ttctttttaa taatataaat ttctcattt ttctgctat atttgacaaa 71640

cttagaattt gttcattcac aatatttatt gtctattcct cacctactat gattaaaaat 71700

gagaccacta ctatcactac tatgaataga aaaagtattg ctatgtaatt cttacaaact 71760

aggaaatata agggtcacg acaatcatac acatataagg taggaactca acaaatgcaa 71820

gggaagaag atttctaaaa gcagtctcaa aaggaattac taaggctgta gctattattt 71880

tttgagacca aattacttcc tagaaattaa aatcggtgaa catattctga tgtaataaaa 71940

acaagcaggt tctatttttt aaaaaatcaa ttagttttat gtgccacatt atgattcttt 72000

tgtgatgcaa tcagttgttt ctgtctcttt aaggtttaaa aattaaataa gtactgatta 72060

attaaatac attactagat atttcttagt tgggaattgc ctgacagtaa gcaaagatca 72120

ttaaagacaa tcagctggat ctgggaaaca tttagcttac tataaatact aacaatttta 72180

ttaacaaatg ataaagcaaa aaatttcaat gctataacca agatacataa atatatgtac 72240

acgtataggt tgtgtaagta ctcaaatagt ggagtggggg aggggtgcaca cagcggggaa 72300

gactgaaagt aaatacatct agatgttaaa tatgattatt tctggaagat ggcaatgtga 72360

glaacttttc tgcacaattc tgttatttcc aatgtttctg tacaaggta aaaaacattt 72420

tatataggct aaacaaatat tgggaaaaaa gaaaatgtat actcttctta gattcaatca 72480

taatatatat ttgtgcttc agcaaccatc acaaaaggcc atcagagagc ctgacaaaag 72540

tggatcatgc ccctatafga gccatagtta ataactctta ctgagcaaac gaaccaggca 72600

aagcatatac aaatctctta gagtctaagt ctatatcttc cttctcatga ctgctaaata 72660

tcagaccaat gtctgggttt aacaaaaatg gggtacttaa tcttgggttt gaggcacata 72720

aaattacat gtgataaact ttaagacaaa ttctcaatt aaaaatgac tctcaatttg 72780

gaatatactg ctttactttt taacttcact tgtatctatt ttaatcagag ttttttgaag 72840  
 tgaatgaaga aaattggcag gaacatggtg ataacaaagt attttaaatg tgcataat 72900  
 taaattctta aatgttaaca tagtgtacaa atacagtttc aaacaatata caatgtaaat 72960  
 ctaaagtcac ccatgaggat tttcaccact taactatttt atatatgaaa caatatatca 73020  
 caatcaaaag ggtaactaaa aaaaaaaaa gagctaactt ttggattttt caaaacaatg 73080  
 actggagtggt cacatttgtg cttcatatct ccaacacatt aaatgccctt ccaatatgaa 73140  
 ataataataa aataagtaat ggtaataagc acgatgttca ggtatttctg agacctattc 73200  
  
 cgcactgaag tctgtcacat ggaagtata ataaaatctc tctatcttta ataattgctt 73260  
 tgttcagatc tggatgctca gccctcaaatt ttgtaaaacc tcattacgag gggaacatac 73320  
 tgagaaaagt ttaaaagcta agctccacca agagcagaat gcctcaaaca attttagttt 73380  
 ctacaagtgt tatttaaaag gctcaaatg ttgtattacc atggaaattg tggaaaacat 73440  
 acattcccaa acaaatatta ctttttctca atggatgaa gtaatgaaaa ccacatgtgc 73500  
 aaatctgcga tccgtgcagt agttcaagct gcaactaata gaaaatacag aaagtgaact 73560  
 ctgctatata aaggattctt gttacagaaa tataatgtga aaaccagatg cagacagaaa 73620  
  
 accttaatca cagatgggaa tgtaatcatt ggcatcacaga atactttttt gatcaatctt 73680  
 aaccatatgc gcaatgtatt tattttctaa ggaatgcaat aacttgagag aaccttctat 73740  
 ttgaattcag ttaacctcat atggccttgg caaatcattc ttgtatcagt ttatctttca 73800  
 aaaatttaat aggatgtaaa gactacacac atcagaatca acctcaaaag agatcaagtg 73860  
 cagttcccca ttactgtatt tctcaatcac tgccaggaat cctttcactg cctaaacaca 73920  
 tttctctaga gaattctatc aacatttggg gcactttttc ctttagtaaa tgatacatgg 73980  
 ttattccaaa aatgagcatt taaacacacc tctttttatc tatcaacctg ggttgaatca 74040  
  
 aaccttaact ctaactcttt tcttttctt catagaaaca ttttatatca taaaagctat 74100  
 tattttacat gaacaaatgt acacttagtt ttgtttcca aggggaatca ccataaaagg 74160  
 aacctgttat agcatatctg acttaggaaa tattaccttg gtaagtacag tttctggcac 74220  
 tggactgtag cttaccttg tcaaagcttc accatttctt tgtaagcaat tgttgtccc 74280  
 tctaatttga aggagtagtg aacagagcac catctatgcc tcacttcagg actatactca 74340  
 acttccaaca ggaagtaact gagacactgt gtgatttggg tgccctcat cgcaggtcat 74400  
 gtgaactaaa tgcattatc ctagtttcac aagcttctt aagcttccat gcataactc 74460  
  
 atccagattc tcttctctc ttctaactac tcacttcta cattcacaca cagaaacaca 74520  
 cagtccttat tcttgcctaa tctcacatac aagacctcc atcaattggc actcatctac 74580  
 agttttcagc ctccactcca accacgccct tccagagtgc agctcttctc tggtggata 74640

aactccctga tggaaacttt cctctcatgc tggtagcttc gttcactgac ttcacggccc 74700  
ttcccataga ctgctgcacg gccagtttctt cctcaaccct caggcttttag ttcaagagtc 74760  
accacctgac agatgatttc cccaaccatt tgaataaag tctcactacc atgtccccc 74820  
accctctgca tcattctaac attgtttctt aattgtctta attatattta gcactacatg 74880  
  
aaataatctt agtaacttct tttttatctt tctccctccc ccacccaaac tgcaagctct 74940  
gtgagagcta gggctctcatc tggggggtgc tcattactct accctccaca ttggaactg 75000  
gactaggaac ctagttgtag ccccaaatga aaagaaaaac aaatgaatcc cactcaatga 75060  
aatgccacaa aagcccaatt caatcccat gactttggca aacctttccg tggtacttc 75120  
tgtgacctgt gatctttttc tctttttat actatagtac tttgggtcta catcaggctc 75180  
tgcaaccttt tacctgccag gtactgttca cagaagccca ttccactgg tgctgtatag 75240  
agatagggca gcatggaaat caccacgac atccacggct atgaagccag cctttgtcc 75300  
  
cacactgagc agcaggacac tgtgactggg aactgcagca gagtccatc aacctttaag 75360  
gcataagtgc actctagcag ctttttatgc attggattat ctcaaatg agcatgtcag 75420  
ctgtttaga aatgagatcc aatcttaatt tcttacacct ttggacctta cattgatgca 75480  
ctctattcat tccattggca gggctgcaag agcatggcca tgtttattca acaatgcca 75540  
taccagtgc ctagcacagt gcctggcaca caaaagggtg tcaactaaata ctgactgagt 75600  
aaacagggaa taactgataa tggaatatga tctggtcttt cttcaagccc ctttctcttg 75660  
tgataaggca ttatttcaaa atcctacaaa tatttttaag taacaaatta atcagaaggt 75720  
  
aggaaccaa ctaagtatca acaacgcaat atgaccagtg agttaacaaa ccaggcaatt 75780  
ttaaatggta ggaagctctt aaatatcttc tctgttgagc atataattta attttcaaaa 75840  
aataaagtgt tataaatgac tgtggcctac acacgcgggc catttagaag cccactgtat 75900  
acgactctg gctggattgg aatctcagtt cttacactta ctcacagct atttgacctt 75960  
ggacaagtca cttaacctct ctaagcttca gatttaaate tccaaagtaa gataataaca 76020  
cctaacttat caggatgata tgaggagata atacttgtaa agcgcctacc ttagtgctcc 76080  
cagtgcaagt attatttcat ccagtgtgct cagttcttat catttgatag tagaaaagag 76140  
  
glagtaccta ttttaataata attaaatatg aaataaatga aagcaaaggt cactactcaa 76200  
aaatatcagt acaatcataa tctttttctt tctgaaagta attactgcac tattagtgat 76260  
aaaaacaaaa tacctaggat cagtcaacaa aacaaaata tgtggaatta agctgcaggc 76320  
tctaaaacat ttggtgtga tgaaaaaaaa aacataaact gatgtttggt agtttttttt 76380  
ttttttttta aatctaattt catctgggaa agactctctc tagggaataa gaggagacag 76440  
aaccagaatc attacaaaag actgttttct ccaataaag gcactgttc catgccagca 76500

atttcacct ggaaaaaaaa aaatggaact ttggaaatat ctgcattcgt ggttgatggt 76560

cacacatctc aagaggctat aacaactgtc cagttgccag catggcctgg ttgctgctgc 76620

tcctatcaac tgatctctct ctctcttttt ccccttttcc tctcttctc cctccctttg 76680

tctcttgtct ctcagaaact tggaaagtig tggatattta tttatttatt tatttatttg 76740

agatggagtc tcaactctgc gccaggtctg gagtgaagtg gcgcaatctc cactcactgc 76800

aagctccgcc tcccaggttc acgccattct cctgcctcag cctcccaagt agctgggact 76860

acaggcacct gccaccacgc ccggctaatt ttttgtattt ttagtaggga cgggattttg 76920

ccgtgttagc caggatggtc tcgatctctt gacctcgtga tccgccccgc tcagcctccc 76980

aaagtactgg gattacaggc ttgagccacc gcgcctggcc taagtgtggt tatttttgta 77040

ctgtaaacag taacttttct aagtgcagtg aaaggttttg atagttttcc atttgtactt 77100

tagtatcatt cctgctgta attagtgtgg ctgacctgt tcatgtagaa aattcctacg 77160

tggtaggggt tgaagaattc caggagagta gtaagctctg gaatagttaa gtcttgaaga 77220

aaatctaggt tcagaccttg ccccgctatg tgcacagggt catcttgggt aagagagtag 77280

atctctaaga gtgacttaca aaattagctc actcacaagt cgatattaag acaatatgaa 77340

aacatcattc catcaagtc tcccttgagg cccacacac agctgtctaa aattgtccag 77400

tcaattgcat taagaaactg aaggctgcac tgcgaaact gtctctttca ataaaaaggt 77460

ttctgaaga aaaaacagtg agactcttta ccatttccgc attgtgagcc acggcatctc 77520

aggctgagat ggacctacct cactgttcag taccatctgt ggttctgaag ctgattcatc 77580

aggcagtaga gcagctggaa tcccacacaa tgcagacaa aagaccagac tggatgggaa 77640

ggaatgtcgg gggaagggtc ctggaggaag agtactcaga ctggggatct gtccagaaag 77700

cagatatggg tatccagagg aagagaggag ggagagaagg aggagggaga gaaggaagag 77760

ggagaccgtg gcaactaagg gacaactgga gggaatctgg tagggaaaat ctggaagcca 77820

ctacaatggt tttcagcctt gttcggacct ttgatcaaag aaattgttcg atctcataaa 77880

aatgtccata tacataaaat tttgcttata atttcaagaa gcttatectt tattaagcc 77940

catttatgaa cttcagggtg agaaaaataa ataaaaagtt acagtgtgca tctatgaaga 78000

tccaagtggc ttgaccactt cgcagtttgc ctaaagatgg ggtattttcc aaaagcaatg 78060

gcaacaaaag ccaaacttga caaatgggat ctaattaaac taaagagctt ctgaacagca 78120

aaagaaacta ccatcagagt gaacaggcaa cctacagaat gggagaaaat ttttgcaatc 78180

taccatctg acaaagggtc aatatccaga atctacaagg aacttaaca aatttacaag 78240

aaaaaaaca ccccatcaaa aagtgtgtga agcatatcaa cagacacttc tcaaaataag 78300  
 acatttatac agacaatgaa catgaaaaca agtcatcca tcaccactgg gcattaaaga 78360  
 aatgcaaadc aaaaccacaa tgagatacca tctcacacca gttagaatgg tgatcattaa 78420  
 aaagtccagg aacaacagat actggagagg atgtggagaa acaggaatac ttttactg 78480  
 ttggtggggg tataaattag ttcaaccatt gtgaaagaca atgtggcaat tcctcaaggg 78540  
 tctagaacca gaaataccat ttgaccacgc aatccattg ctgggtatat acccaaagga 78600  
 ttgtaagtca ttctactata aagacacatg cacacatatg tttattgcag cactgttcac 78660  
  
 aatagcaaag acttgaacc aacccaaacg cccatcaatg acagaccgga taaagaaaat 78720  
 gtggcacata tccaccatgg aatactacgc agccataaaa aagaatgagt tcatgtcctt 78780  
 tgcagggaca tggatgaagc tggaaacat cattctcagc aaactatcac aagatcagaa 78840  
 agccaaacaa tgcatttct cactcataag tgggagtga acaatgagaa cacatggaca 78900  
 caggaggagg aacatcacac accggggcct gtcgggggtgg ggggctaagg gagggacagc 78960  
 attaggagaa acacctcatg tagatgacag gttgatggtt gctgcaaacc accatggcac 79020  
 atgtatacct atgtaacaaa cctgcacgtt ctgcacatat atcccagaac ttaaagtata 79080  
  
 ataaaaataa aaataaaaat aaaagatggg gtgttttgtt tggagttaga ggtgggggtg 79140  
 ggggtggatt ttgcttttgt tttattgtat gttttttagt tgccaaaact tataagccaa 79200  
 aatataacag caataaatg tgcattcttt gacaagagaa cgcaatgaaa gcgaccaagg 79260  
 tggaaagagg ttgagaaaa aaacaacatg ctgttgaac caaagatttc actttagtct 79320  
 cagcagtga atatttcagg acagtttcaa gtaaatcact tgagttaag gcatgagctc 79380  
 tcaataatta ttaacaaag cattagaaag taccccaact gttccagact cccacttttg 79440  
 aaggtcttac aaaccagcag agaagtctga attgcacgga tgatagcaga gttggatgta 79500  
  
 ataaattcta tctttgggga ggaagggtca tgaagtgtc accagaggct taggagagga 79560  
 caaagtgagc caagcttggc ttccctgcag aaagagctta ggtgtccaaa cgtgaagcaa 79620  
 cccagggttt tagagaaggc tgagagagag aggtccagga aaggcctggc aaagcagggt 79680  
 gtcatttgtc ttcaacatcc tcatatcccc cagtgtccat cagggccaga tcgtctatta 79740  
 agcatttgtc gaatgaagaa gcagccaaag agagactact ggggtttaga gaaggaagtg 79800  
 atgaacagtt ccatagccat caagtcagat gccaaagaaa agcaaccctt tactgaaggt 79860  
 tgtgttcac acatatcacg tcatctcat gaccacccta tgaggccatg ccattattat 79920  
  
 ccagatgaaa attatttcta gatgaaaagg gtagctaaag gagataaatg gtaaagcact 79980  
 tgggagttag gtctcttcat cactatactc gactgccttc tggcagggaa gagcagcatc 80040  
 acttccctct ggaagggcag aggccagac cagtcaacct gggcgacaca ggcaaaagat 80100

ttgtaaaatg acicagagta ccaaaggaca tacagcaaaa aggtctcttc caccactact 80160  
 tcctggccct gctttcttcc ctaacagcaa gcactattgt cagattcttg tatatacttg 80220  
 cacaagtaga attctatgca tttttttgta caaacacagc attctacaga cattcttctg 80280  
 ctctttgctt tgctcattta atgatataac tcaggaacga ttctgtatca acacacataa 80340  
  
 atgtttcatt ctttaaaaaa gattgatttc tttatgctta ataattagtt cttatcaagc 80400  
 ataattcact acagaggag aagtcttaaa aaatccaatt ctgacagatt ttagaacaaa 80460  
 accacaaact ccaaataatgg ttaaagttca aaaaataaaa agaattgccg gcatgttttt 80520  
 aaattaagtg ttatcagaca aaacaagata aagacctga aataatatta tcttaatgaa 80580  
 ccataccta aaagtctca cccaggtaga tttttttgtt gtttcttcca ataactaaaa 80640  
 tctctcacat aggggtcaac taagagttag caataaggat tgacggctct ttaacatgtt 80700  
 aaagaaattc ctttactttt ccaaaacaac tcctccattt aaaaaagta tggtcagca 80760  
  
 catcatagta tttagtttac tatctgttaa ttgtaaaatg gatagacatt tctattaaac 80820  
 tcagtagatt ttaatgcatt tttgttctt ttcatttaga gtagatttga aaaatatcat 80880  
 cacatgaaaa agtatttggc ctacagacag tgcttggggc actgaacaaa tgaatctaga 80940  
 ttcaaaagca ctttaataa accaagctcc ctcttctcc aagagcactg agcccaagtc 81000  
 tgaggcctgc tggtttacaa gcaactgctt catcagctac tccttaactc catatgctgt 81060  
 catctctacc ttctctctt cttaccatgt tagaattcaa agaagtttta taaattattt 81120  
 tacaacaaa gtccaatgtt tgaaatttat aaagcaggct gcactggtca aatgagaagt 81180  
  
 taagggtccc agaaccagc ccactgacc actttgcatt ctctgcacg gcctgagggc 81240  
 acctgcaaaa gagaaactca aagaagagtt tgaatctgt ggaaagaggc aaaacacatg 81300  
 agggagccaa gtctacagt ggtaataaac agatctttta tgtaacaacc gcattttaag 81360  
 gaacaccac cactgacag ccctgtcacc atctccgaaa ggcagctggg accaccagaa 81420  
 gccctgggac cgaggctgc aaatggattc tgaagctctt ctctagaagc tgtgattcta 81480  
 tgagtctggg gtagggtaac aaagctgcct ctaaacaaac acctgaagtg agtcccagct 81540  
 tctggcaagt taagagcact tgatagtaaa tccaggttgg tattaataac tccccctct 81600  
  
 ctaaatccac tgctctatcc aagtgctaatt ttttttctt ttgcaatacc tctgcccc 81660  
 gccttctct tctcatccca caaacccaac gctggctcgc cttctgcaat atctaaaacc 81720  
 taaactgcag caacaagctt ctgcctggc cttggcctcc agtccatctg gcccctcaca 81780  
 ttaggaccaa ctctttgcaa acataactgt tattggatgc agggtttctt ttgcttagc 81840  
 tcaattttta ttttaacctt gggtttataa agatctattt tatcacagac tcctctgttc 81900  
 aaaagacgcc cagctagaaa atcaataata taaagcaatt tattataaaa gcagagctat 81960

tctgctttta tggtaggttag gggatggaag accctgtgcc caatctgggt accctccatc 82020

ccacctccca accctgaggc actccacagg acacagctga aaaatgtctg gtgaattcag 82080

aagttgaagc ttaaatcaaa atgcttgata ttcaagacat ttatgatctt tctgctctca 82140

tttcccactc aacacccaag ggcctttttt gctgcagcca cagtattaat ttattctctc 82200

tccaccctca ctccacccca atactcctcc aaagtctttt ccacatctag gcttctgcat 82260

tccctattcc tattgtataa cctaccacaa tcctattaca ataactttgc ctgatgaat 82320

cctacctgtc tcaagacaag cttaattcc aattcacacc tgcctctaaa atctcacttg 82380

ctgcaccatt taattggtaa ctgatcaagc tccacgatct atgtagctat ttaatttgc 82440

ctgagtttat cattcagtg gaactgagcc gactacctgc ttgtgtctac atctagcaca 82500

cagctttaca catagaaaac atttactaaa ttttatcca tgtacttcag attcactccc 82560

aagagtaaac attttacttt tctatcagat gctgtaaaag gtgtctttac catggctacc 82620

aaaacagcat gtgactttct ttataagtag tcaaatcagg tttaatgggt tgttcacatt 82680

ttattgtctt tcacctatat ttctctccaa tttttatac ctgctctctc gagccaactc 82740

aaatcttagg cacatcaatg gagactgac acattaactc ttcttttaga catgaactga 82800

cctacctacc ttattttaaa caaaaggatg agaattcatt gtccacattt gtttctcatc 82860

agaggtaaaa tgcggaactc atttctaaat aaatctagct gaaccggaga atgaaaatgt 82920

gtgacagggt ggcaaaggag ctgtggagta aagcacactc cttgtgtgac acatgataaa 82980

agttacaaaa gttacagaat cccagcagtc acttaaaaag aacactttca caggaaagga 83040

ggattactat gtcagtctga taaacacca gttccaatcc caatatcatc tgctgttctt 83100

cccagctgta ttigtctatc actgtgtaca taacatatgc atagactcag aaaataagct 83160

attagtcttc cctgacctgt cttacagttc acatgccctt gtatcttgag gttagggaaa 83220

ggggtatagt acttctagtt taagctagtc taatcaactt cccaagactg catttaaagc 83280

gcagcttgta ccatgcttat aaccagtggg gataacttcc taatttctga tactccactt 83340

gtcaatgtgc atttgaagta tttccacaa tacagctgtg ctatttcctt ggcacatga 83400

tctgtgcaa cccttttagg taccattata gatctgcttt cctaataatta ggctctggtc 83460

tcctcactaa gatttactag gtggattctc caaaaagtct agtggagag tcctcccaga 83520

tactctttat aataacatct cacagctagt tctctctcct agtgcctcaa ttatctcatt 83580

acgtggccat gtctagctca ttactgctct gacactgttt ccttcatat tatcggtggc 83640

caccatctc ttgagcttct ttagacaaat taccattact gctgctaata ttttatctaa 83700

tatttctctg acataatatt caaccagtt agtaccaact acgagttcac tgtatatata 83760  
cgcttaagac attctccttt gtggcaaaga acttcaattt gacttcccat tgaactctga 83820  
ataccaatgc aaaaattttc tacagcctat gaagcaacag tgcttctctt gacatccatt 83880  
tctaattgca gatgaaaata tcattacttc caagccaaac caatccctga catcctagta 83940  
aacagtaagc ttccactgtc attttggatg atgaggaagt gctcaccttg atcaaaccag 84000  
aagaatgcca ataactctta agttcaaaag aaaccctagc ctgggtttac tatttataac 84060  
cacccaaatt agaatacaat ctctaataat gtctatatatt taatcaccta catcagtttt 84120

acaaactaaa gtacaaaatc aataggtaat aattgaatta ttttaattatt ttagaagcaa 84180  
tagcaaaacta tttcttcaga caaaaagaga attgtttagt ctttctgag atctgattcc 84240  
tagccagatg ataattgtcc catgttcaat taaacaagct accaggttct ctccaaaaa 84300  
tggtctaaag aggtcatttt ctaaatttcc caagtgaagc gagtccaaac tttgagaccg 84360  
ggggtatggt gaatgcctgg ctaaacacaa gcaaccccat ccactcagc ccctagcccc 84420  
tcactccac ccctaggcgc tgagttcatc atcttgtcca gtaactatga ggcgaaagca 84480  
taaaggcaat tttccttgga caagaccag actctttagt tccctctca ctacataaac 84540

agatttattc ctacatcatt caccttgaa aaaggaatcg taaaaacaaa aatttcagat 84600  
aatcatctaa gatttaggat agctatggaa agaattggctc cctagtccat aatggctctt 84660  
ctttatgatg gagaagactg gaatgatagt aatattccac actgatccct ttcccagtta 84720  
gatgaagatt tatagtgtca cccacccaa tcctgaatt taaaaaaaaa aaaaaaaaaa 84780  
aaaaagcatt tttttttcac tctcctaacc ctgggaaagc cccaaagcct actttcagta 84840  
tcacacagag acttgtccgt atgagagttg ggaagcctaa gaatcaccaa gtctgcctt 84900  
cgcttctga gaaatttgcc tgagggtggt aatgcacccc aggccacca gcaagtcagt 84960

gattgaactg gaaagggaaac ttcagtttgc ctattagtca agcgactgca cacagacacc 85020  
aggtcctttt ttttttttt ctaatacgga gaaagcttta cactatgaaa ctagttacaa 85080  
actctttttt tccagcagta aaggtggtgt acaagtctc taaccttacc ttaagaggta 85140  
accaggaagt tgaacctggc caactgggaa atgctgagat caagatataa tggagtgacc 85200  
aactacgaaa ggaacaagac tcaagaacta aggactgggc agaaaatcac tccagcatac 85260  
tgataaagtt caacaacaac aacaacaaaa acagattaaa tctcatggc ctcaagtgcag 85320  
tgtagaatga aggtattctg atgcaggaac agaatttggg aatagagaag cctggatcag 85380

gigtactga ggaatataga ctacacaca ctgtgagta tccaaggata tgtcagctag 85440  
aagccaactc tgattcctaa gtgggggtga agaggggata actgaaagaa aacaatggat 85500  
gagtagaaat ggccactgaa gagaatatgc agccaatttt tcagagaata aggtcctaaa 85560

taattactaa agctcaggca caaagtaagt cattaatttg gggaatacga agaaacctca 85620  
 attttctaaa ttggggcaaa agatcaagcc agaagagtaa ctatggcaag agtctcagag 85680  
 caatgggctg gagtctcttg aaatgaagaa agtgaaacac tggttaatca attacttaaa 85740  
 atcagtgatg agaatgtatg tgaaggttgg tgaaggacag gctcatagta ggtctctagt 85800  
  
 atttatcaat tctctctctc tctcccaaga ccaacaacta agtagcagcc ctcaagagcc 85860  
 ctgagcacac ttagaagtgg tctgtgcccc aggtgttaaa agattaatga acccagtcaa 85920  
 tcacattccc caaggcactt agaggtgctt agattgctgg agacacaacg ggaaaacttc 85980  
 acatttgtgc cctctgcatt cctctctctac aagatctata ttctaaaggc cctattcatc 86040  
 caaatagtga ttigtcttag aggccttgat cgatatgaaa ccgacaaaaa caaatgcctg 86100  
 ctttattcct tcatgaatta ctttataaag gtaatcacia ttagaactat taaaggagat 86160  
 gattttaagt tggatctctt tggctcttga aaatattagt agttgtaggc aacattgaca 86220  
  
 gttttaagct ctttcaaaca agcaggctctt acactttaaa catcaacatc gggacattac 86280  
 ttaccagta gttctgatgt aagagcctgg acatgatttc atcaagtatc aacatttcaa 86340  
 aaagaggcac aggaatctcc cctgttggtg tcatgtaagg taccgtggct tcaaaaaaaa 86400  
 ctctcattag aagatcacat cccaagtga gggattatgt ctgtgaataa actttttgta 86460  
 cactgatatg tgattcagca tcttttctta aaagtgtcag aaactgggtgc tatattggag 86520  
 gaaatagccg catgatgcc agctctcttt aagatatgcc agcatgacat gccatactga 86580  
 actgttcttt gggcttgaaa ctggaaactg cattccttaa aagcatactt ctttggttgg 86640  
  
 ttccatacat gtaatcgaa atactcacat tcaacattgt tcttcaaact acctcttctt 86700  
 ttgagttggt gttttagaag aaacactgca ttgtttaata tcaaacatgc taagggtgca 86760  
 ctgtgcctgc ctccccctt atacattcct gaaatatctt gagtttatct gtgaagagtg 86820  
 tgtctagcaa ttcatatgtg aagccacaaa ctgagcta at tgatcctcag cagtgatcag 86880  
 gtctcaccac agacaaatta ctatagccac aagccacca aactgcaatc caagggtgag 86940  
 tcagtattga acctcatcca aatttcacca gtcttcttct cttctagttt aattctctct 87000  
 gcccatgttt tatatggata gcgttgccat tcactttctt gttataagga cgcagtatta 87060  
  
 tttttattat gattatttaa gacatcttaa gagtttcctt tttaattaaa attagataat 87120  
 tttaaaagaa catgtcttct ctagcaatgt cactagtaaa atgcatccaa ttttctctta 87180  
 tgtgggtgctt tccctgtcca taaaacttat ttgattagca gtactataga agctaaagct 87240  
 tttgtatgca ggcactcaag cataatttaa tcattttatt taagcatgga aaagattatt 87300  
 ctgaaagccc tggtagtaaa atatccctga ttagtttaaa cttacatttg caggatatatt 87360  
 aaaggtaaaa taaatctcgg aatgctcag atgcaagaac agtggttaact ttgttacaac 87420

agtccggcag taagttaaaa attgtagtat tagagaatgt aaggaataac tatctgattt 87480  
  
 tcaatacatg tatttaaaaca ggttatttta aaataaatTT tgTTTTgtgt gaaccctttt 87540  
 ttattaccag gattttcacc tatggaaacc tcttttatag tcaacaaga tgaggcttta 87600  
 attgcatact accattttatc tgctgaggat aaaagtgcc acaaatgaaa atgcacatta 87660  
 ggcaagagat tgcagaata gaaaatTTTT tttttatTTT ttgtTTTT ttgtTTTTaaa 87720  
 taaccactc acattaacaa aagactgcag tagcttccaa attataggtt gttatTTtta 87780  
 gtggaagtag ttcaatatc atattggagc agatgtagca gtttaacaaa acagctcttc 87840  
 aaatcccga caaatgaaa acaggaaaac tgattgcatt ttctcttate actttccttt 87900  
  
 tctgaattga cacttttggc cttctgaaaa ttacacatg gctttcatct caacagcacc 87960  
 tgctgatcaa acagaaacct aacattttca tgaaaattgt ataaaggact agttttgttc 88020  
 taaacactgt aaagggcatc agttgcctac ttgatggcaa caattgtcat gtataagtca 88080  
 tagtcaaaat agattttatat ttccataaat ttctttaaca taaaaatatg ttaagtcctt 88140  
 tctggTTTT ttttcatat tcaactctctg tatggttcaa atttctttga ctcaatgtct 88200  
 gcctaagtct tagttttgtt atttaagac tatgcaaaat gtgtgaaagg gtaaattaca 88260  
 ccaagataac aaatacttag tatttctctg cctttgcttg aaatacacat attaatctat 88320  
  
 ataagttatt gtctatgcat gcacttgagt gtaaaataca tacatctcac ttigtattga 88380  
 acccattatc gcttctcggc cttttggcta agatcaagtg tattccaccc actaaaagaa 88440  
 aactggaac aaaaagtcag agtcaggccc tatttttgaa gggaacttac acattatTTT 88500  
 atgagatata gatttagcag gtgcctggct gtttcagtac ccgactggaa aagaatgaat 88560  
 gtcactcatg caacaaactg gtcacctaaa tagtgactga ccactcactg taaataactc 88620  
 caggtaaagg taaatcttga aaatggatat cttctatat aaaatatgca agatctatgg 88680  
 ctagcatgct ttccatatTT ttaaactgac tccacctatt tctctgtaac atccaattcg 88740  
  
 gggtagaatt aaagatgttc ctaagacatg ctatctgcta gtttcttagc caaaagagct 88800  
 ctaccctttc tgaagattc caggctgtcc ttttccattc tgtctgggtg ataaggtaac 88860  
 ctgaaggcag aaatgacata cagtaataata tgtgccactc tggccagttg gtctgtgaat 88920  
 ttcatgttt catcatgctc actgaggcaa cagcaaacct gaaatgtcaa tatgttcagt 88980  
 caatggaagt aaaaataagg gactctattg tcttaccbaa tcatctgct gctgtcaaca 89040  
 aggaacatg ccccccggc ttttaacaaa ttttaattag gcttttagtt actggatcat 89100  
 atctatctat ctatgaaaac acctatTTTg acaatgtgta gaaggcaaaa caaccatctt 89160

ttccactttt cttcatttta agaacctttct aaagttgata ttacaatgtt tcaaatactt 89220  
 gtgagtcagt aagacatgtt ttctcctttt tttaaactag ctccaaccaa aagatttcat 89280  
 ggttcaaata caaaatacaa atctacctaa cagacttgta gtgatttttt ttctcctct 89340  
 aggctgagtt gagccatact ataaagtcaa ctaattccat attaaaagta ggcttcattt 89400  
 gcttttttta ctcatccaag taccgtcagc atcaatttat cacgcattta aaacaagtca 89460  
 cacaaaacca aacattaatg atcaatccca aagcctttac cctcttttct cagttcatca 89520  
 atcctaaatg caaggggtaa acgaaactcc tgttaaatca gggagggtgca tgggtgctgag 89580  
  
 aagggtaggg ggttgtcggg agaggaaata agacatttta agtcattcaa attgcaccaa 89640  
 agttctctag cccttccttc caccaaaaga gagacagtct caccttaaaa taaaaatgaa 89700  
 ctaatcaagt tgtaagcag ctttgtctct cccttcttca tctaaaggct tcagcgtcca 89760  
 gtcaataaat aatctattgt tcccccttta tcgagtctct ttaaacctat tcagactggc 89820  
 aaaactaaac ccaattaaag ataaggccct ccggtattct cacctcggtg agtcctgtct 89880  
 ggatagcaga ggtgatggga gatagcgtca aggccagggg tagatgcctc ctctcaccc 89940  
 cacacaacaa aaggcagatt tctctttctc actctgctaa tctttaaatg taaattctct 90000  
  
 ccgccagcta agaggagcga cagataacat gttacatctt cacttctctt ggtcttatcg 90060  
 acttctgaat catttgaaa gggagagagg gagagagaaa agccgcctcc ccacgcccc 90120  
 ctctctctg gccaccctc ctctctccct gctcgcctcc ctccctgtt cacggagatt 90180  
 accttctggc aaaggagcgc gggagagcgg ccgcgccga ggcggcacc agaccgcggc 90240  
 tttgtattca ttaaacacac attggagctt atcagaagta aaagccttgt caggatggca 90300  
 catttgtgtg gagtgtgtgt gtgagcgcag gaggagagg agagaagcca acgtgcatca 90360  
 ggggtgattac aatatcagca gggcccagat ggaggcagga aaataaacag aggggtgcgtg 90420  
  
 tgagacggag cgggagaggg aggaaaagtg ggagagagag agagaagaca gaaagggaca 90480  
 ggcaggaggg aaggagagac acaggcagga gggaaggagg gatggaggag ggggcggggg 90540  
 ctgagacccc aggatggggc cagaaagtgg gggagagcta ccctaaggct atctgggaat 90600  
 gagaggcagg ctagaagtcg cctgcatgcc caaatctgcc cctaccaccc aaagaaggga 90660  
 ggaatccagc aaactgtatt tccctgctcc agggctaggc tggaacatgt tcgagattct 90720  
 gtcaaggtca gaggaggatc aagagctctc ttttggcaga gcctaaggag acagtcgcca 90780  
 tctcacctcc atccaaacag ccacattttg caaaacaaac ctactgagtc tatagagcag 90840  
  
 ttaagctgcc ttccagacca acctcaagtc ggagttcttg tccctttctt tgctaacccc 90900  
 aatactccta aattccagcc cctgcacatt cacacactca gagatataaa atagcttctg 90960  
 tccctgaact ttaatgtgtc ccagctgaag actcctgcag ccagcatcat tgtgataagg 91020

aggaacactt gtgattggta gccacagggtg actcttagag acctgctcca cctccagaaa 91080  
 ttgtgttggg ggaggaggct ccttatgtgt gcatctgaga gtctattttg gaggtgggaa 91140  
 tctgaaattg aggcaatcaa tctcggttg agctgcctca tggctcttca cccaccaga 91200  
 gccagagaat caatcagaga acaagcaagg gctaattgctt gtccgtcagt ccagagtcca 91260  
  
 tccccctccc cagcagggtc aggaaggaga cacacctgag tagtcccttg ggagtcctt 91320  
 ttcactttta aatacaccca tcagacaatg tgaacatctg atcagctcct taatggagtg 91380  
 cagataatgc agcaaaggag gttattttat tgggggaggg gaagtatttg gttgtgctgt 91440  
 gtttcaaggc actgaagctt ggttaagaag ctctcactac agcatcaaga gtgagttcag 91500  
 aatgaaggag ccaataaatt acacaattgt tcatggtgtg cactgtagcc ctagctgctg 91560  
 tgaaacttca ggtataaaa tagttttatg caggggtct ccctagaaag gaataaatg 91620  
 gggatgaagg gtaaggctag tgagtagaaa aaaaaacaat agcaagagaa ctagccctg 91680  
  
 cttttaagg gaacatatt ttaaggaggc ctttagaaaa tgaggagaag cattgtttaa 91740  
 tcaggcactc cctccaaat cacttgcca aaaatcggtt ttatgtatag ttgagcaccg 91800  
 cccctctcc cccaccac ccaaacacac acacaccaat gttccaacc caagaataga 91860  
 attaaaagaa attgatagg taacacaaag tgaaaaaagc tgggcatagg tgggggaagg 91920  
 gcatgtgtga aaatcttgc atgcaatgaa tgcagataa aaagggtct gccacaatcc 91980  
 tccagtaate caataactg gaaaacctca tggatcact gagacgagaa caagtaata 92040  
 tttctcata aatcttcaa aagtaccag gttcaatagt tagagaaggg tgcaaggata 92100  
  
 ggaagtaaaa cacttgctg gctacattac aaaatccagt gagctttaaa tgggtgaaaa 92160  
 tctgtcattc ttacatgtt taaattaat aacagatttc tagcgtatca ctttagctct 92220  
 cataaaagt cactttcac cttttctta gctattctag aaaaatgcat tcagagtaac 92280  
 cgaaagcaac cacacatacc cccaccctt attgcatttt agttagatca gcttgacac 92340  
 agactacata caaacaccta aaaatccaag aaaactccag aggaagaaaa atacaattta 92400  
 caagtcccc cctgattttt ccattacatg ctcttttaag aaatgctatt ttttaaaaa 92460  
 aaattgcatt actattgctt tcaaaccag aaaaggttg cttttttta aaggggcac 92520  
  
 ccaaatacta gaggcataaa gaaatctgtt caaaagctaa tctgccagt gtcttatttt 92580  
 gtaaatgcac agtatttcta ttagtacctt gttgttcat tgacttttg ctacagtta 92640  
 tagaaaagat caaccaattc tcaaatggga agaattcatg actctcttc aaagcaaca 92700  
 ctttctgca aagctttcaa ttaaaagaaa aaaacagcaa tacaataatc aagaagtata 92760  
 atcacagaag tgtaaaacag aaagtgggtt ctataatcac agctgtctta aagtcaggc 92820  
 tagagactag aaatctta tcaactagt tctttctta ataattaggtt accttcctat 92880

aaaaggaaga agtccatctg ccccaggcag ataagttttg aagcattaat tcagataaaa 92940  
  
 atctagcatt ttctttcttt ctttgagtat gtgaattcta gtgtgctata atgtgagaat 93000  
 tccaacatat gaccattatg gcataatatc tcattgctca gcttgtcatt atttcatttg 93060  
 taattcttat gtttaattatg ttcataatta ctataaacag atgtggtaga cattcatgtg 93120  
 accttttatt gcagaatgca ttcttcactc attttgcttt aatttctcat ggatacaaaag 93180  
 ctgaaatgca ggaaaaagaa aaagcctttc caattttcca atgttttata tgcataagct 93240  
 aaaacagaac ctaccttcta cttcatctgc atttcagaat atcataatat tcttaatgtt 93300  
 taagctgctt tatacagcac atttctaaat tgcacactga acctcactgc tgctcactaa 93360  
  
 attgtagcta tggatgccaa acaaaggcta acatccatgt ctaagttgtt tgtctttttt 93420  
 ttaatatcaa aggttaatgc agcagaattg tgcttcaaaa ccaagtcctt agcagctaca 93480  
 tagcgattta ttactcaga actcaacat caccctcttt acataaaaag catttacaat 93540  
 aaaatcagta tggatttcat tagctgaaaa cctcctcgaa tttcatttct ttggccctaa 93600  
 tctataatta gtttggacag acaggtgcaa acccttctct tctacagatg gctactggaa 93660  
 atggtgcaaa gtagctcctt ctgtttaaac aacacagaga taacctgctc tgtcttatca 93720  
 cttacaatta cctccattaa actgaactaa tgtttgcttt aataaaatgt tcaactgttct 93780  
  
 ttaaacatta tttaggaact cttatattaa tggtgtgga aaaaaagtga agttggaagg 93840  
 tgtctctaga taataataaa tagcttattc tggataaaat gttccactg acagataata 93900  
 cttaggttca cagaggtgtt ttagttgatt gaatatgtt tattttgcat aaatagagtc 93960  
 aaatttgatt tttaaaaggc aaacataatt taacaagttg ggggagacaa catttttctt 94020  
 gaatttagaa aaagaataaa ttttttctt atagatttta agttgttatt aacatgtaga 94080  
 aattaaaatc cttattttca aaggatatgt taacttagtt ttatgcattt aacttctgat 94140  
 agattattct caaagttgaa tgagttcatt ctttcaaggc acatcttaaa aattaaactat 94200  
  
 gaatgtaagt gcaactctga agcacatggt taaaagcaac tccattccat aataaataac 94260  
 ttctataaag ccagagctca cttctccctg cttctgctat caataaagtc tgtggatcac 94320  
 tatatgatga ataagggtgc cataaaacaa agaaccttta aatgcccacaa cagcaacaaa 94380  
 taaatagcct ttctcactga acttacataa cttacagtaa tagactccgg caaaatgcaa 94440  
 ctgactccgt ttttttcaca tgcaaatcct gcaggtgcca atttttcaga ctgctttgct 94500  
 atgaagggtc atgttgcttg cataaaacct cagtgaagaa ggctttgcat tcagtccttg 94560  
 tcagctgatg ttcatatcaa agaagtgaga aacaggattt gacagtgaag aatgtcctaa 94620

actgacaacc actgaccagc attcctattg gaagcatttc tttcttgtga tcctttttca 94680  
 gtgtttaaag aaatgcaaga ttttttggct acggttcgat ttgacaataa aataaattat 94740  
 aatggcacct taaatgtgtg tagttctttg caatttatga agtgctcttt tatctacaaa 94800  
 tatttagact aacacctcaa tgggagagca catcatcaaa tactaacatc aagagcaata 94860  
 ttttactcct ctcaggaaaa gaaaattgtg caaatattaa aaagctgcag tcccatagct 94920  
 gcaaaaaatac tgccttgca atttaatagt gcaatgtatt gtattgcaca tagaatgatt 94980  
 tttattagaa aggacctttt aaagatcatt ttaacacaaa ttattagcag gtattaacgg 95040

accacagaga ctaagtccac aaaggaaaat atcatttcaa agacttctag tctgctttga 95100  
 gtgttacaaa cataaaagaa aaaatagact gttttctcca ctgcttttat taggtataaa 95160  
 ctggacactg gagaaactga gtattgaaat tctcccatgc aatatttagc ttttcaata 95220  
 aagtcactgc tatctagttt ataataaaat tattaatgac tgaacaaaaa tatttaataa 95280  
 aaagttaacc tcagtattaa aaaagtccgt ttttatgcac ccagtataag actgattggt 95340  
 tgttttgttg gaatttcac ttttaaaata ataaaccaac aaaatataaa atgctgaaca 95400  
 cagcacaaga aataatggac ttcaacttct tcagcatcca tcttggtgc aaaaaagcc 95460

cggatcaaac caagattccc tgattactat tgggtgagat tgtcagactt cctgaaaca 95520  
 aacaaaaaaaa tcagtaaagg aaaaaaacga aaatgaaatc aaataaccct atctttatta 95580  
 tctgaaaatc ataattatc aaactagact ttaaggataa aagagaggga aatccacaga 95640  
 attataaatt tgcttctgtg tatacacatc acagctgaca taaacactca ggttggggct 95700  
 atgttagttt aagaaacaat ggtgtttggt gaccttttct aaagaattgt gtgacaggag 95760  
 aaactgggca caacagaata ctcacatggt caaggcaaac gctgccataa actaaaagga 95820  
 ggccccaac actaacaac cgtttatcac agagaagctg gtcaatttgt attctaggga 95880

gtgtggactc actgggcaca gaccagttc cactcctgtt ctatgcaaag gagggcaatg 95940  
 ataataaaag ctactgagtg cacttaaaaa tggtagagat gttgaaaagg agactaggag 96000  
 agggaaaaaa atccctgtaa aacacatttc agttcacaca gaagtataa ggaatgcttt 96060  
 ggtcagaaac ccgaccttta tcaggagata aatcaatctg cagcagctgc ggacagccat 96120  
 ttatatacag gctctgggca gattaattaa gaaaagcgaa gttaaagatt caaggggcct 96180  
 cagagttaca ttaagcacat gaagtgtgtc tggagtggcc tctccagctc tcttggtctt 96240  
 cactccctag ctctggcctc gggcactatt ctgcaggacc tctccacgg gaatcctagc 96300

tattccttaa agcgaccttc tgcagattcc ccaggaagc agcagccaga ctagggcacg 96360  
 gtggaatttg tggtagccag tcttcaaggg tttctccgtt acgctttgca aggaatgaga 96420  
 ccatgggctg cagggccgcc cagccaaatc ctccaaactg aaaggccttt tgggggagag 96480

ggggagggaa ggcggctatt tttagtaaca gttgtggctc acatcctact tcccggaatc 96540  
atagtactca aacttttcca aggggtgacc gcccttaca aaaataaaaa atagcacgtt 96600  
tcaaaaaatg gatctgagcg ccttgtgctg acctagccgt atttgtcaa agcaccccag 96660  
tcagcgccag gtccccccc ggaaagaggt ctgggtgcgc caaccaaccc ggtcctttca 96720

ggtttcgaaa gagggcggtg agcggcgggc cctggagcgc gtctccactg gcccgggggc 96780  
ttcaccagag gggtttctgg aaaacgaaag gaattatccg gacgtggctc caagtctgga 96840  
ccccctcggg cgggagctac agggcacaag gttgtgctcc ccactcagaa gaagcgggca 96900  
ccgagtcggg gccgcgacgg gaacacccag gagggccggg gcggctgagt ccagagcgcg 96960  
cagaggtcgg gcggggacga ctctcccat cgccctga ctgcgaagcc cgggaccagc 97020  
ctcgggcggg agccgcgctc cgcccgctca ccaggagct tccagtgca gcacccaaa 97080  
cggccaggag taacaaggaa agttcgcagg caggcgcaga gcgcctgggt acctctaagc 97140

aaacccccac cctagttgca gccgggtccc aaagttaaga tccgcctct ttactcctta 97200  
gggctaagtt ttccaccatc aaaacaagtc ttgcttcca gtttacagaa aaagaaaaga 97260  
aaaaaaaaaa aaagaaagga aaagaaaaaa acccacgatg cgggcatagg gccacctgcc 97320  
aatgcactg tgggcacctc gatcggttgi ttgtcgggg gagaaacca ctgcgtatct 97380  
tcctgtctgc ataccgtgac tatggagagg gaagaaaaat tatttttaa agacactgtg 97440  
gggaataata tagtaaaaa tgcatcctcg gctgaccgc gaagttcagt gtcacgcag 97500  
accggagtca cccgcgatgt tcctctttgc cctggtgcgt agtcctacc taattgagcg 97560

acaagtacag cctggagcct cgcggtcgaa taatccaaac gaagatgacg gtcacggaa 97620  
cagtaattaa taacagtcag gggcccgacc ccgcccgcg cccgcccggc aagccctacc 97680  
gcggacactt acactgcaca gggccggaga gtcccacat ccgccacagg ctccgagctg 97740  
caaataaaac ttcccgctgt ctcgccggc ccgcccggcg acggggcgag gacgcggcgc 97800  
ggcttcctc gcgaggccag agtgtccgc gccactcgc cacgcgcgct cgccacgaga 97860  
ccgaggagtc gcgcgcgga gcgactacgg ccgcccggcg ctgcgcagag agagctgccg 97920  
tgcaaaaagc ccggggtcgg ggacgccagc caaacgcaac ctccacgcag agcccaagac 97980

ttgcggagct ctgtccct cctccgcct cctccctcc ctccgtttt ctgttgtgc 98040  
tgctgtggca gacaaatgtg atgt 98064

<210> 19

<211> 17523

<212> DNA

<213> Homo sapiens

<400> 19

tctatatcat atctttattg actccttaat aactactaca agtcacttg tgaatcacac	60
ctgatgtaca ataaataagt cacaattctg aaccacatct atagaaactt gaattcctag	120
taaatataat aattgaggat cttaaagctc aacaagtcag gccttccagt ttttcagatg	180
aggaaattaa ggcctaaaga tatgaagtga cttaccccaa agtaaaagat ctagttagta	240
ataggagctg agattgagat ccatgacttt taaaaccag aatcatgctc tctccactaa	300
accatgtgat cattctaagt agtcaacagt tttcacgac ctccttctgt ttcctggga	360
agggtctcca tattaaccaa attcttaagg cattcagaga atctctccag tgtgaggttt	420
ttattgttgt aaaaaagaag agttttgtct aatggtttcc ccacactcag tatgtatatt	480
tgatttctct tcaactatgaa ttttttggtg ttttgtaaga tatgtgctct ggctaaaggc	540
tttccacat tcattacatt catagggttt ctcttcggta tgcattttct gatgtttttt	600
aaggctctgc ctctgcctaa aggctttgcc acatttaccg tattcataag gtttttctat	660
agtatgaatg acctgacatt gaataagacc agagcagtaa ctaaaggcct ttctacattc	720
attacattta taggattttt cactagtatg agttttctgg tgatttttga ggtctgtact	780
ccaactgaag gcttttccac attcagtaca ttatacggg ttttctccag tgttgagtta	840
tctgatgttg aacaagtgt aaccaatcac tgaaggcttt tccacagtca gtgcatttac	900
tggtatgaag gtacagtcag ggcttctttc tggtatgaat tctcttatgt tgaattaggg	960
ctgaacagaa actgaaagg tttccacagt cattacattc acagggttc tctccagtgt	1020
gagttctctg aaaatgtcct gagcagtcac taaaagcttt tccatattca ttatatgtgt	1080
agggtttttc tccagtctga accctcatat gctgtgtaag gaatgaactc aggctgaaag	1140
ttttctcaca ttcatgtcat ttatactgtt tctctcctgc gtgacttctc tgatgttgag	1200
taaggatgtg gcttctgcta aaggtttttc cacattgctt acattcataa ggctcttctc	1260
cgggtgtgagt tctttgatgc tgaataaggg atgaacaatc actaaaggca tttccacatt	1320
cattgcattt gtatggtttc tctccagtgt gcattctctg atgttgaatg aggtctgaac	1380
agtaactgaa agttttccca gtcattgatat tcatagggtt tctctgcagt atggacaata	1440
tgatgttgaa taagagctga gtgatcatgg aaggctttct cacattcatt acattcatag	1500
agtttttctc ctgtatacat tctttgatgt tgagtaagat gtgcactctg actaaaggac	1560
ctaccacatt cattgcattc ataaggtttc tctccagtat ggattctctg atgtagagta	1620
agatgtgtgt tctgactaaa agcctttcca cattcaagac atgtataggg cttctcacca	1680
gtgtgaattc tttgatctg agtaaggat gtactacgac tgaatgtctt gccacattca	1740
gtaccctcat aaggtttctc tccactgtga attctctggg gttgattaag aactaagcaa	1800

taactgaagg ccttcccaca ctactgcat ttgtagggt tttctcctga aagagttttc	1860
tgattatttc ttaagtggga actctgatta aatccctttc tacactcagt acatttacag	1920
ggtctctctc cacaatgagt tatttgatgc tgaacaagag tgatgtggcc tctgaaggtt	1980
ctccacatt cactatattt acaaggtttt tttttttcca tcatactttc ttgtataat	2040
taaatctgag ttttgttga gcatctttca acatgtacca tatttatgac aattctcttc	2100
cataggatct atctgttctg caacaagtat tgatcttaca gtaaaatttt tcacaaattc	2160
attagattct atgtctcttt ttctggtagg aatttttgtg caggtagcta tctcttgccc	2220
tagattatc tcttgttta gctgtgatt cttaaactgg cctctagatt tccagatttc	2280
ttccggtaca gactttctct ttgcaagttc ttccatctct aatctttgag attaatcttc	2340
ttttgaaatg tctgtctgct ctactcttga tgtcttggcc ccacgttcaa gcttcccatc	2400
taaaagacat aaaaatatga ctctactatg tgccaaatgt tgggagaaaa gaagctggta	2460
tattaggaat ggaataatga aattgcagat actgagaaca taaaatactg ggactataag	2520
atagtaatct agggaggagt gagatggaaa tactagtga gtgaaagtgt ctgatacaga	2580
gcataacgca atcaatggga atgaagcaaa cattctgtca ggtgagaaga atgattaggg	2640
aaaaaactaa atggcgaaata ttagaaaaga gaaacaatga gcagggatta agaaatgaaa	2700
actgttatca gaaagaaata gtctttttaga aattatccta tgagaaaact acttactcag	2760
cattgaaact attatcttaa aaaatactaa gagcttttta tttcaataa gcttttatat	2820
tagatttttt agtacttcta caaagtaata ctttttagcta attattcttt gtcaggtaac	2880
tgctgttatt gctttacact tgatataaaa agaccataaa ctctaggttt aaggacaaag	2940
gaaaggatga aaaggagaa atttactctt ttgaaatgaa aaaataatta ttaggtcttt	3000
ctaatgacaa atctacatta ttttctactt tcagtcatgg ataaagagc aagtaacata	3060
aagcataggg aaaaaaggat agctcttctt catcagcatg ttaaaaagta gtccttcact	3120
ctggatttat tcttcagaga gagttattgt attaatatga tgactgaaaa ttgtttgtaa	3180
agtcatgatt tataatgggt ttcatcgcag gatgactggg aaggacactg gctgatttat	3240
tagaggatgc ccaaatattg gcacctacag ttcttttctc ttaggctgat tagtttcccc	3300
agaatgaatc actttaacct tctacctgaa agggagtagg atgtagaagt ccagtagaag	3360
gaaaaattga ggtgagggtc tctccattca atatgtagat ttttactaaa ccactgtttt	3420
tcaatgtgtc ccctagattc tggcatatat tacacataaa aattaatgat tttattagct	3480
gtactcctaa cattcaacac tcatttctca ttttaactct aatttattta tcacactggt	3540

ctataaaaaa aagaaaagca aaaacaaaaa caataacaac aaacaatact tcattattgc 3600

ttctcctgca caaaaagccc ttctctcttt cttttgccc tctaattctt gacactactt 3660

tggagcgcca ctcaaatgac actagtccca caacattcct aactctccag ttccctgat 3720

ttcctactac ttactatitt aacttcta attagcactt aatagcagtg ctgtacattc 3780

tttatctatt ttctcctgtc tgcacatgtt gtcttcaaag ttatcatttc atgtcttaga 3840

aaaagggaaa gaactttgat gaagtttttg gtttatagct aatattaatt gagtttatgc 3900

tgggctgact tacaagatca acatatcaaa tcttcctaac aagcctataa gtgagataat 3960

agaatgtcaa tttaaggga gggtcagaat gctgaagtta cttgtctaag gtacacataa 4020

gtcaaaactcc agagtccaaa ctcttagtct ctactgctgc cccaagaagc agtccaatat 4080

agtaaaaaga taatggctag agactcagaa tctcctgagc ttaaatcca agtcctacta 4140

tgtgtgtgac ataaggggta ggcttcttgt ttgggtgcctt ttcagtacta catactgctg 4200

acaatgtgat cttttttgtt tttttgagat ggagtttcgc tcttgttacc caggctggag 4260

tccaatgacg tcatctcggc tcaactgcaac ctccgcctcc cgggttcaag tgattttcct 4320

gcctcagcct cccagtagc tgagattaca ggcatgcacc accacacctg gctaattttt 4380

tgtactttta gtagagatgg gggttctcta tgttgggtcaa gccaatatcc tatatttga 4440

aaactaagtg ttgatagtg aatatctact ttttaataa ttatagacat aaatactaag 4500

aggaatattc aacctgtaaa ctgaaataac cactatagag atgacatttt atagacatct 4560

aatattaaga ggcaggaaca aaaactatga aaggaacca tggagtcttt aggagattag 4620

atgaatcaga gctttacact gtcatgcaca tcatgaaaag atgatttcat aaaagacagt 4680

gaactggatc aattttacc gcaaagataa aagagggtta agaagaggtc ctgagattct 4740

caaagaaaag gagtcatgtc cttcataagt atatttaca tacaatgggt agagacaaac 4800

acaaattaca gggtcagaat tcaggaaagt aaagtaaact ctagcaatca ctttccaaat 4860

ctgcatgggt cacacctttt gtcataaaca gggaggagaa acagttgttt ctgaactcag 4920

aatgaacct gatccttcaa atccaagcca aatgcagtaa agtatgcaa taataataaa 4980

cacaatagtg gcaataataa caggaaaagc agcaacgcta acatttacc agtccttata 5040

ctatatcagg gcttttatgc caaccactta ttttattctg tctcttaca gaaatcctga 5100

agaaacagtt ttttttttag gatttttaca tttttatct ttagccctat ttatatggcg 5160

aatggcctca aaagggtttt aaaaccctaa gggtttttta cgtagcaaag ccaggacttg 5220

gactcaggtc tctctccaa aaccacatt ctgagccacc acattacgt tgccatgact 5280

attaacaact aaagatgaca aaacactgca tgaaaatatt ctaacatgca gaaagaaagt 5340  
 aacctttaac ctttacctag caaaaccagg tttctatatt tttccaacat gtttctgtat 5400  
 atggacttct gaacagtgtc catttgcttc cacttctccc aggtgatgtc catagccacc 5460  
 tcttccaacg tctttggtaa ctaaaaacca aatataattg cattaacacc agaagcaatt 5520  
 atactgattt gcatccaaag taatagatga aggtaaccaa attgggggaa atgaaagaaa 5580  
 gagtatcaag ttacatcaca tatttggtga gcactcactg tgtgttacac attataatct 5640  
 aattttcttg gcactataaa ataaatttga gacattatcc ttgcttttta tcttaaaatt 5700  
  
 ttgggcacaaa aagatttcta tgccaggcat ggtggctcac acctgtaac ccagtacttt 5760  
 gggaggccga ggtgggcaga tcacttgagt ccagcctggg caaggtgggt aaacctgtc 5820  
 tctacaaaaa atacaaaaa ttagccaggc atgatggcac acatgggtgg tctcagctac 5880  
 tcaggaggct gaggtaggag gatcacctgg gcccaggatt ttgaggtgc agtgagtctg 5940  
 ggggtacaga atgagacct atctccaaa aaaaaaagaa agaaaaaaga aaacgattt 6000  
 gtatgcataa agtaggtaaa taatataata atataacca atgacaaata gtatagttaa 6060  
 aacaataagt gctaacatta aagtaaaaca gcctgaataa ggaaagggtt cctagaggaa 6120  
  
 atagaacaca agaaggactt caaaagagat cataagcagt cttttttttt gagtccgagt 6180  
 cgctctgtca ccagcctgg agtgcaatgg tgcaatcttt ggctcactgc aacatccgcc 6240  
 tcccaggctc gagcaattct cctgcctcag ctctctgagt agctaggatt acagggtccc 6300  
 accaccatgc ccagctaatt tttgtatttt tagtagagat ggggtttcac catattggcc 6360  
 aggttggcct attggctagg ctggtctcaa actcctgacc tcagggtatc caccgcctt 6420  
 ggctcccaa agtgctggga ttataggcct gagtattgc acccgccca taagtagtct 6480  
 tttttaact tctagggaga cccatgaaga gatcaagaaa tctgtttagt gggtagttaa 6540  
  
 cttattttaa gagtgtagac tctagagcta gacctagatt caaatccag gtttaccacc 6600  
 taccaactat agaattctgg ccagttaaac tctgtctcat ctacaaaatg gggacaataa 6660  
 caagtctac atctcaggtt tattacaagg attaaatgag ttaacgtaaa gcacctagaa 6720  
 cagagccaag aatatagaac gcactatcta aaagttaaca ttacttttag tgaagagca 6780  
 gaatgaataa caagaatgtt attcatattg aatgatatta tttgctattc atattgaatt 6840  
 acattatttg tcattcaata ataatgtttt gacatgcttg agtgccctgt acatagtatg 6900  
 ggtacaataa gtcatagatg aatacgtgac tcttcattag tctctattgg ggcagaaacg 6960  
  
 taggatctaa aatatgctgc aaagcctttt cttttaaaca caaacattat tcatgtaatg 7020  
 caaaagaatt tacaaagtat caggtattac atgtattata tactcaaag catcaattat 7080  
 tataaagcaa atataaggtt tgttaaagga agatagatcg acaaagtatg tgaattatca 7140

aattttgaaa aacagagaaa agtcttttcc tgggaagcat tcttgagttt acagagtaca 7200  
aagttgaata gagtcaagta tttatattta aagttgatca cttttattat aaaaaagcaa 7260  
attttacagt tattgcaatg cctactgatt agttttctcc ctcaaagcgt ttttaggata 7320  
cttttgtttt gaataatact tttgttttga actaataaac atttattcat tcaacatgta 7380  
  
tttatcgagc actgtgctag gcactgaaaa tacaatgcta aacaaaaatc agaaatagca 7440  
catgatttca tagagctgag tgtctagtaa gtgataacca aacaatcaca cacaaatata 7500  
aaattgtaac tgttacaat gtctttttaa aaagagtcac atggctgggc acagtggctc 7560  
acgcctgtaa tcctagcaat ttgggaagct gaggtgggca gatcacctga ggtcaggagt 7620  
tcaagatcag cctggatcaac atggtgaaac cccgtctcta ctaaaaatc aaaaattagt 7680  
caggcatagt ggcgctgcc tgtaatccca gctatctggg aggctgagc aggagaattg 7740  
ctcgaacccg agaggcagag gctgcagtga gccgagatcg cgccactaca ctccagcctg 7800  
  
ggtgacaaag tgatactctg tctcaaaaaa aagagtcaca tgatttcatg agaaccttta 7860  
ataaggcat ctgacctggt cactgtgtta gtggaggttc atatcagaag gcactacttg 7920  
aactcatttc ggaaggatga ataggcattg ctttggtgaa aaaagtaaag aaaaccacac 7980  
caagcagagg aaatagcaag tgtgaaggca ccatcatgac agggggaatg gggaggaaga 8040  
gagattgaaa gaaggccaat gtgaatagag caaagaaggt atacaggaag aaagggggaa 8100  
gaactgagac tgaaaattag aggccagcca catgaggctc acaggccatg caaaaagtat 8160  
ggcatcttta tcctgacagc attagggagc catttaagag tcgtaagcaa aaagtgaca 8220  
  
aatcaaat ttgagagctgc aaaagacct tctggcagta ggtggagtaa gtagaagtag 8280  
aagggccaga atagacatgg gaaaatattt gtgtggatgc tccaggaatc taggcaagaa 8340  
atgataagga catgaattaa agataaagt agtaaatata gaaagaagt atagatttga 8400  
aataatattt ggaataaat ttgacaaggt ttgatggcaa cctggataca cagatgaagg 8460  
gaaagggact ataaagatgg atttctggac tctggctaga gtggctaat ggatggagtg 8520  
ccactgtgaa ttttgtttga ttaatgcaga aataattaag aaagtcttg atgaagggaa 8580  
atcacaccag atagaaattc tgattcccaa aaagaaataa agaaataaag agcatttaga 8640  
  
aatcattggg caaatataaa tttgttttta aaagtttgc tttatcttta ttttttttc 8700  
ctctttttct ttttgagac aggtttttct ctgtcatctt ggctggagtg cagtggcaca 8760  
atctcggtc acigcaacct ctgacctgg gtccaagtga tccctccacc tcagccacc 8820  
aagtagctgg gaccacgggc atgcaccaac aggcctaggt atttttttt aagttttagt 8880  
agagacaggg ttaacatg ttggctaggc tggctttgaa ctctgagct caagcgatgc 8940  
acctgtcttg gtctcccaa gtctgggat tgcagacatg agccaccag cctggctgct 9000

tttgtcttta ttcttttata atatatataa ctatttaaaa tatatacata acattttctt 9060

gaacaactta taacataatgt agatgtaaca cacagaacaa caagcagaac aaaaagaacg 9120

aggtgtcata attgaacaca tatagttagca aggcctccac tttttgtgaa gtgacacatt 9180

aatctaaga agattgtgaa gaagtaacga tatatatgtt aatccctaga gcagctacta 9240

aaaacgtagt ttaaaagtct gtaagaaaat ttaagatttt taagagaaaa ctttaaaatt 9300

cagccatatg aagattaaaa ttaatatagc aaattaagtt ttccacagaa gtgttaggga 9360

ctgccaagat tatcgaggag gcattttgag gttggagagc ataaactttt aattgtttta 9420

aatcattcaa catttattca acacaagttt aatgagtact atatgctaaa tactctaggc 9480

acggtgatat aacagtgaag gagactaaaa aacaaaacaa aacaaaaaga aaaaaactct 9540

gcctacatag agcatactcc atagtaagaa agacaaacaa tacactcgct acataaatac 9600

attgtatatt atttattggt ctgttcttgc attgctacaa agaactacct aagaccaggt 9660

taatttataa agaaaataaa tttaattgac tcaccattcc acaggctgta caggaagcac 9720

acctggggag gcctcaggaa acttacaatc atggtggaag gtgaagggga agcaggcatg 9780

ccttacatgg ctggagaagg aggaagagag agagagaggg caggtgccac ccacttttaa 9840

acaaccagat ctgtgagaa ctactcact atcaaaagaa cagcaagggt gatatctgcc 9900

cctatgatct atcacctcct accaggcccc tcctccaaca ctggggatta taattcaaca 9960

tgaagtttgg tggggcggga accccactct tccaggaaca gctgcagctg cccagctgtg 10020

gctgtgaacc tgggcatccc tgtgtcttgc cgggccctgg aagccctgtc ctccacaggc 10080

tccaaagtgc ctgctccac tgcttggcat ctccctgggc ctggcatcca ctctgatatt 10140

acagcaaagt tgaggctgag cctgggtgca gtcacgacct gaccaggtgt gctcagggca 10200

gcgctgacat gccagccct gccacctttc cccctccag actttgggca ctgaagagca 10260

tgggaaggag gctggagccg ggttaggggt ggctcagtg gggccttcag gccagcaca 10320

aacagcctgg gcacatgga ggacataatt gatggtgaca ggaggcatc aggtcctgg 10380

gtggaaagg gtgggtcccc ttggaagccc caccctccag ccagggatgg ctaacacat 10440

gggggctggg ctgtcagttc tggctgcaat ccacagcctg gccttaagtg agaacttctg 10500

gtgttttctc cagccaccg tggccaccgt ggaccaatca gcacgcactt cctcccttct 10560

gagctcataa aaacctcaga ctacgtcaga ttcaaacaga catggggagg acctaaactg 10620

ggaaacgagc taccactgc aggtctctc tctgtgaca gctggacact catggatata 10680

acctgtctgt ggaaagaagc caccacttt gggtctcctg agagctgttc tgtcactcaa 10740

tgaagctcct ctccaccttg ctccacctcc agttgtccac atacctcatt ctccctggac 10800  
atggaccaag catgggccaac aaacttggga cctgccaaat ggaaggactg aaaaagcttt 10860  
aacacaaaca gggttgaaac acgcctctcc atctgccaca ttgcaggcaa tgaagaag 10920  
agctgtagcc cttaagttag cctagatctc gagactccct gagccagcac tatgacaccc 10980  
tctttggggc tctgtggctc ctggcatctc caagcttcca gaagccattg ctttccctt 11040  
gtccagacat ggggtgccac agtgaagta ctccattgc atgcggtata tctgttccag 11100  
ctgcagcctt gtgcagagct gcttgacca ccacagcagc cagcatgctt ggttgtgctc 11160

actggccaga ccccatgctc acttgccac acacccttg ctgtgtggct cacccttggc 11220  
agatgtggga tctgagacag tagtgtgagt tgagcacagc ctgccaggct gagtgggtgg 11280  
aacgagccca gtggtaaaac caatactcaa ttactcaggc agaaggagct gccggccata 11340  
gaggcttctg gctggcgaag caataacca aggatcctat gacattttca acttgtctta 11400  
ttacctaac ataattctatt tacaatgcta actcaccca attagtatcc cacctatgtc 11460  
ccctccacag cacactgggtg tctcttccaa agcaccttat tctcttaga tattctaggt 11520  
tctcttaact ggagttactt ttaattcctt tctcttctat ccctaaatc taaacaaac 11580

cattactgtt ccttacaaa acaagctgtg tcatggcatt tttttccca aagtttctaa 11640  
taattcaca tcagctctac aacaaagtca aacccttagt cctacttagc acagcaaatt 11700  
tcaccttaa aattttcaat atatggctac taccattgc ccatagaaga cacggtctct 11760  
tctacctta agttttgtct tataatttct tcccttaaaa tccctcagtt ctctttgac 11820  
aaaattgcaa ccatatctca gtgcacacca aaattccacc cttcataaa atcttccaaa 11880  
tcacactctc ctctctgaa ctccatggg atgttttctc ttactactt aaaatggatg 11940  
tgtgtgttc ctgaattct tcttaactc ctgggttaga caaggctgct gaagaactga 12000

ataccacaga caatgcctaa ttgagagct accgtctatg ctagtatca aatgctagtt 12060  
actaatgct atgctagtta ccagaaaca acaacaaac aaacaacaa aacaaaaaca 12120  
ctatgggaag gcaggtggca atagacaacc aatcttataa aattcatgat caaagagaat 12180  
aggccttggg tcttagaaaa taaaatatct ggaattcaag tgactgaatt gaagttttt 12240  
tgggccccaa accaccagaa tgaaagtaga aaataaaga tatttcagga aatgaaaaga 12300  
aaatccagct caccctgaat ccagccataa agggcctagc agtcattctc tcttctctg 12360  
ggctcttctc ttgaagaagg gcagagtctt gagacagtgg ctctgaggga agagagagga 12420

gctacgaaga agtcagcttg tgtctatagc aaccactga tattctagaa ctacactctc 12480  
caatatggta gccattcccc acatgtagct atttaatta aaattaata aaagacttaa 12540  
ttcttcaatt gcaatagtc catttcagt ctcaatagct aatgtggta gtggctactg 12600

taccgagcaa tgiatacatc aaaaatatcc aaaaaagtta tattgcatag cactggtcta 12660  
gaaatccaca tatgtgglat gtttttgaag tcataccaac tgaatcttca gctccaggaa 12720  
gtaaaggcaa ccaaacattc cttgccacct catgaccaca gaaacgccac aggcatgtga 12780  
ttctcaatag ttigaatgtt tgccttccca aacctcttgt tgaaattcaa ttcctaatgt 12840

tggaggtggg cctaattgga agctttggat cacggcgggtg aatccctcat gaatggcttg 12900  
gtattgtccc ccatagtaag gttctcactc tattagtccc tgcaagagct gatttattca 12960  
tttatttatt tactttgggtt gaggtggagt ctactctgt cgccaggttg gagtgcatta 13020  
gcacaatctt ggctcactgc accctccgcc tcccgggata aagcgattct cctgcctcag 13080  
cctcctgagt agctgggact acaggcaccc gccaccactc tcggctaatt ttgtatttt 13140  
tagtagagat gggttccacc atgttggcca ggatggcttc aatctcttga cctcgtgatc 13200  
catccgcctc ggcttcccaa agtgcctggga ttacaggtgt gagctaccgc tccaggctaa 13260

agccggttgt taaaaagagc ctgggtccccc tctccattct cgctttcttc ttctcttgcc 13320  
atgtaatctc tgcacgtgcc agctctcttt caccttccac catgaatgga agcaacttga 13380  
agccgtcacc agaagtagat gctggagcca ttctttttat ataactaca gaactatgag 13440  
ccaaataagc ctcttttctt tttaaattaa ccagcttagg tattccttta cagcaataga 13500  
agcagtctaa gacaccatcc atggtttaag taggttccag ataacaagag cagttaccta 13560  
gactctatca tagcatttac tacctgtttt gaaattatct tttggagtat cttttgccat 13620  
ccccaccct acacacgaat caagattttc ccatctttat attcctaaca aaaaactgt 13680

gcctggcata tatatgtaag tcttgatatg tttgatgaaa tgaatagacg aggctaaaat 13740  
ttgtgtcaaa ctcataattt agattttaac atattgaatt ctacattca ttcagctctg 13800  
tgataaggac ttttataggc actggggatg caacaagtac aagacagaat aaagccccta 13860  
tgagagggcc agcaaaaaaa aaaaaaaaaa gcaaaactaa accaaacat acaagcatat 13920  
ataaactcaa gtagttacaa acatatcccc aaaaaagtag aataaaagga taaacaagac 13980  
ctttatttta gatggcatgg ccagggaag cttttctgag aaggaaacat ttttatcgga 14040  
tttgtgtaaa aagagagagt aagccataaa gatattctctg ggcagactga gaaaacagca 14100

agtgcaaagt ctgcaacaa aatcttgagg ttggaatata cttgtcatgc tctaagaaca 14160  
aggaggccaa cataagctaa tagagtgtaa aaataggaa tttatcatta agtgcataa 14220  
aataatgctg tcgcccttgg ttttttcgag gatataggag aaattacttg gcaaatcctt 14280  
tcaacatagg gcatactgcc cttattatca gaggcagtgt tggttaatgg aataaacact 14340  
tactgggat tgaagaacce tgaattctaa tatctgagtt agtaaatgc tgtacagcat 14400  
taagcaagtc actaacttcc ttgaatcttt gttgttcgg taacaaaaca atagggataa 14460

gagtatctgt tccttttgtt ttacagaact ttgtaggga taagaaagat gtaagatttt 14520

aaaaagatcc tctgaattta aacatttgaa ggaagagggt taggacactg cttctcaaac 14580

tatgggccgt agatcagcag caccagcatc acccggaac ttgccagaaa tgcaaattgt 14640

taggccaac ccagaccta ctgaatcaaa aactctggtg gtgagtttag caatgtgttt 14700

aacaaatcct ccaggtgact ctgatgcata ctcaagtta agaagcatga gtttataaga 14760

aatgaaatt gttaaagcca gctcctgaaa gacctaagca atggaggatg tcctcttgga 14820

ggtttagaat gttattgctt gcagctgcca tgagctagtt atttatattt tatttagtta 14880

tttatatttt gagacagagt ctgcctctgt cgcccaggat ggagtgcagt ggcacaatct 14940

cggtcactg aaagctccgt ctccggggtt cacaccattc tctgcctca gcctcccag 15000

tagctgggac tacaggcgcc cgccaccatg tccggctaatt ttttttttt ttttttgg 15060

attttagta gagacggggt ttcaccatgt tagccagaat ggtctcgatc tcctgaactc 15120

gtgatctgcc tgctcgcc tccaaagt ctgggattac aggggtgagc caccgcgcc 15180

ggccatgagc tagttattat attgaatgtt tcacataaac cagaggaact cagcagacag 15240

gacctggtcc ttgtattgag tggaagaaat aactactggc atttaatttg taggagtcag 15300

ggatcccaga tgccttcag cacaggacaa tcccaacaa tttttaatg ttttcagga 15360

cattcagatg ggtaaaaatt ctattgataa ttatcagaga ctagaacct aactttttt 15420

tacacacaac cacagagctt tttcttttc tttctttctt ttttttttt cagtgtaat 15480

atatgatgat tttctataag gacaactatg gtctaaatca aggtactttg ttctgaattt 15540

tactgagatt cgatcatttt atcagcctga gttgcagtgt attctctttt atttctctt 15600

tattttagaa ttagggcatc atatggcttt aaaataggta ggttaagctt attgccaatt 15660

taatgaattt tatttatgga tagaaatggg ggcattacaa aatatttgtt atacaaagag 15720

cccgttgggt ctgaaagagt tgaaaactat tgagatatat tgggtcgttt aacctcaca 15780

caaccacta tgaaagttaa atccccgaa aagggttaaat aacttgcca aggttaccac 15840

agagccaata agtttcaaag ccaggattca aattcagacc tgtttggatt caaaatcctg 15900

gtcaagaaa aatgtatgtt cacacaaaaa cctgtagggtg aacatttaca gcagcatcat 15960

tcataattac taaaatctgg aaatgataca aatgtccttc aaaaggtag atttttttt 16020

aaactgata catctatata caatattatt tagcaataac aatattatc agcaaaaaag 16080

aagaaagtga cacaataatg tggccacctt aaaggcttca tactgaggga gagcagccag 16140

tgtgaaatg tacatatgtt attattccac ttatatgaca ctctggaaaa cacaaaacta 16200

tagagatgga gaacaatcag tggctgccag ggtaagggt gggaaaagag tgtaaatata 16260  
aagggttagc acaaggaagt tttctggagt gaatgaaca gctctgcac cgttggtagt 16320  
agttaccgga atctaaacat gttctagaac agtatgcccc accatgcca ttttatgtat 16380  
gataatttta aaattaacta aaccaggctg tttccattgt actatgatag ataaaaggct 16440  
ggagtggaga aagggttagc tacatttgaa gtgaccaga gaggggtttt ggtcgtcttc 16500  
atacagcccc tactacaca gcgtgaaatt tcgctttctt cccactttct cacacgaaaa 16560  
ctcgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg ttttctcag cttcaggtg 16620

aggaaaggga aagctctcct tttcacaatc agtccacaga acacactcgc tcttgagctg 16680  
gtctatttct tatctctctt caggcaagt cgtatctcc accctacgtg ctccagccgc 16740  
tgtgacatca cgcagggtcc gttccctgca ctaccgtgg ttatgtttcc ttagtgacct 16800  
taggcctctt gcaggagagt ccttggtccc agccagcggg agcggcttct ccagtttgtg 16860  
gtctcggag agtctgcctc gtccctccct ctgagataac cacctatttc tgacctctgg 16920  
aggccgggct gagcccgaa ttttatgacc agcggcgtg ggccgtcgtc accctctaat 16980  
ttctcgaaa actccgggg acccttctta atgtcagtag ccacagtcgc cgccgtcct 17040

gcgcctagaa gccttccacg accctcaacc ccacagagcc ccgagcaggc tcgggttccc 17100  
gcaggataca ctgcccgcgc agtggcctgg agggcgctgc ccgggtctcc ctacgccttt 17160  
tggaatcagc gacagacgca ggtataaaag agagcctcca ctccacctc tccagggtc 17220  
cccaccgct cttctgtgcc gctttctcct gaaagagcaa ggcaccctta gaagcttcag 17280  
gtctctccac aggcgagtc ctaccacct atcaggtgag acgtgcaact gacactcagc 17340  
gcgcggagga gcccgctgag aaagggttta cctgtccgaa gagaactgcg cttgcatggc 17400  
tctggctgtg ggccggctgg ctctgtccg cagactacat ttccagggt tgtctgcggc 17460

tggagagatt tagggtttgg ggcgtggcta gcacagcct gaggtcctaa ttgggaggtg 17520  
tag 17523

<210> 20

<211> 47638

<212> DNA

<213> Homo sapiens

<400> 20

ttttgaaaat tggattttta acttaacata aagttttcaa aattcgtcca cgttgttgtg 60  
tatatcaatt cccattctct ttatattgag gaatatattc cattctattt ttgaactata 120  
gtttttttac tcacccattg aaagacatac agttattttc atgtttgggt gattataaac 180

agagcttcta tgaaacattc acatacaggt ttttgcacac gcggaaattt ttgttttgct 240

agttaaataag ctaggagtggt aattgctggg tcatatggct aagcattcac ttaaataataa 300

aatattgcct gttttccaga gtagctgtac atttttgcat gttcaccagc aatgtatgag 360

atttatagta gttttacatt cttgccatca ctgggtattg taagatttct ttaactttta 420

accattctca taagttcata gtggatatct atcatggttt taatttgtat ttccctaatag 480

gtgaataata ttgagcatat ttcatgttc ttatttgcca ctacataac ttcttttggtg 540

aagctgttca aatctttgtc ccattttttt attgagtaat tttttctta ttttgttgaa 600

ttttgagggc ttttaaaaaa attctggata caagttatca gactggtgac ttgcaaattt 660

tctcccagtc taiggattat cttttcattc tcttaacagt aacttttatg gagcaaaagt 720

ttgggtatgt tttaaattcc ctatctttat tgactttatt ttctatccta tacctgaata 780

taaatcttaa agaagcatgc cagagactta gtgtgagtga ctagctcagt gaactgcgca 840

atggaaacca tacctctagg aacaggcact ctccattcct agctgctgga gaactcatag 900

tcttcagaag tctgtttgat tggaaaatac cattgcaaga cagtgaccaa tattatataa 960

gacttaata caagatttaa gagaaacttt ttcccttact gaaatctcag gaggccaaca 1020

cattaatctt gaaattgctg tcacttaccg agactatttt ataatgcaa attaatgttt 1080

gtcagtatcc ttttaggttg ctctggagat taaatatagg agaaaagagc attttctcag 1140

gtctgcacag gcaaggccaa gtgggaaaat tgaagcaatt ttctgaataa tgtaataaac 1200

cccttctttt atttaattat tcaaataaat ctttatTTTT ccttccttct tctggccata 1260

gagacttctt tgtcatctaa cttacatttg aaaagtgaca ggcttttata tatctagtaa 1320

aggcttaaaa ctttttaata ttttaaggta tctgaccctt aaaataatta gtagagattc 1380

taaaactccg atcttcatag cagtgttgaa gataactgaa aaagcataat ctcatgtttt 1440

cacacattta attccatgct ctaaagaaac tactacttgc ttctaatttc cagctgccaa 1500

catctgcaat tagaaactag caaaacaatt accctaacag ctgctagaaa catagtttac 1560

aacaaaatgt caaatgtgtt ttggaatgtt gaattaaaaa aactaatTTT ttatttcagc 1620

tatcacctaa cttttctctc gattaattaa tcattctgtt gaatagtttc ccaaagagaa 1680

cacattccat tagtattcac cacatttatt tttagtaaag agataatgga actacaagga 1740

acattcaact gtaaacacaa gcatgagtta caaagcctgc tatctagatg acctctgtag 1800

tcccctctat ctctcagacc ctaggatgat aataaaagga aaggctttct caggtatata 1860

caaaacaaca atgacaacaa aaacacattc ctatcccttg tggccttcaa tgctatttac 1920

caaagttaca aatgctttgt gttctcctca actgcaaata ttgttcaaaa tgcattatTT 1980  
 aaattcagtt gagaatcata tttgtcaagg cagcagactt tcctaaaata ctctgaagc 2040  
 agtgtcattt gatcatagag gttaaagtag gtgtaccagt ttgccacca aattgcaggt 2100  
 gagacacaat cacaatactt ttctgttagt tgttgtgaag aatgcaaatt aatgaaaaaa 2160  
 aaatcttatg gtaagtgatt tgctattaca gaaattctgt gtcttaaaaa atggtatcat 2220  
 gaaatgggta tacacattat ataacataat tcattcattt tctaaattca tccaactgct 2280  
 gttttccaca agagataatt attataatgg aaaacatgat ctaattctgt ttgtctatTT 2340  
  
 taaagataat tagactttat ttaaaaattc tctgaacata ttttcttcag tattgtttgg 2400  
 tacttaagca ggctgaattc tatggagtca gggaagataa gattataaat ttattcaaag 2460  
 atgaacctca gtttcttcca ccaataacca cacacatacc catgcacacc tggcctgaga 2520  
 tatcagttta tcagaaagca aagtggcctc cagagatttc tccagtatag gagaaataaa 2580  
 acttaacaac ctactggttt aatatttgta aattctaaaa taaatatgac aatgaaattc 2640  
 gtatatattc taaagttaca gagttagatt tgtttatttc ttgagagtc actctgtcac 2700  
 ccaggctata gtgcagtggc acaatcatag ctcaactgcag tttaaaattt ctggaatcaa 2760  
  
 glgatcctcc caccttagcc tccccagtag ctaggactac aaacatgtgc caccacactc 2820  
 agcaaatttt ttatttctat attttttttt agagataggg tctcattatg ttgccagcc 2880  
 tggcttccaa ttctggcct caagttattc ctctgctttg gcctcccaaa gtgctaggat 2940  
 tataggcatg aaccactgag cctcaggggt catatgtttt acattgtctac atttagtata 3000  
 caattatttt aaaacacaga attagatata taattactat aactaacagc aagtatagtt 3060  
 catacaggtc attgtacttt ctccgtaat ataccatcat tagtatgaca taaaacattt 3120  
 tttgtgactc taattggttt gtaaaaataa agcttctgtt gatitttact gtatcttaaa 3180  
  
 gtgtaaacta taaagaaata aaataattga aagtccaaat atactactac agtaaacatg 3240  
 acctttaata aaaagtatcc ttctgtatat attctctacc catccaaatg catggcaatg 3300  
 tgaagagctt ggaaaacagt agttcaaaat agaatagaaga gcttgaaaa cagttgttca 3360  
 aaatagaatg aacagaaaga tgctatatgg ttagcctact ttggttgagc ttcctctata 3420  
 attatccaac aaaacatata aagaaaaaga ctaaaaaaca aaaataatat taaaaatcta 3480  
 ggaaaattta aggaagtggc agtgggtgtc tgcaaagagg ttgcacagag gaaattttag 3540  
 gataaaggaa acattctgtg tggctctggg gggatgatac actactatac atatcaaaat 3600  
  
 tcctagaatt atacatagaa agtaaagttt aatgtatgca acctaaaaga aaaatcctaa 3660  
 caagtaactt tggtaaatga aatttttact agaaattgta agactgcaga aaaagaacta 3720  
 gacataaaca ccgtactcta gttggtatTT tttttttgc acaggcttat gggttaacaa 3780

ttctaaaagt gcittacatg tatactgagg ttgaacaaat atgtaaatgg cttttgggtg 3840  
 tgggggccag gtttctcact gttagagaag gaagtcactg ataaataaga aaaaagggtcc 3900  
 ataatgagct ccacactgct ggagtaaaat tggacacatt ggtataaact aatgtttagc 3960  
 ttactaaagc taaatattgg ataaatatat ccaatatataa tatatccaat ttattggata 4020  
  
 aatatatcca ataaatatat ccaaatattg gataaatata gaaacaatta tagatatata 4080  
 gattagtata ttttacctag cgctatcttc tgagagggtc tagaaacat gacaccact 4140  
 agcaatgagc acactgcaca ttcagatctt tcttgggttc taaatattgt tttctaataa 4200  
 aagcaacagg tttcttggag aaatggctga ttttgggacc aggacaggaa aaatacaaga 4260  
 tgagcctgga atatctttta gtaccagaaa gtaaaaaaag tgattaaaaa gcaaaaggat 4320  
 gggggcatgt caaagagaca taggaagcaa cctgatagag cgctcagtgg cccgcaatgg 4380  
 aacaatttga acaacaaagg gatatagtat tagattgtaa tccaaagtat atacatgaat 4440  
  
 ctatcctgac atggataaat gacagaataa agaaataaat gaggaaaaga aacaactgtt 4500  
 tcttacagaa gaatttcaaa taacatatgt agatactccc cagtacaaga agtgaagttt 4560  
 aattccttct acctgctagg gcattctagg cttttagctt tatttccaaa gaatagagaa 4620  
 aaaagcagga aaagtgatag gtttactaag aagaatcctg gcgaaagccc cttaccaaa 4680  
 ctgataaagg ttaatgtcac tgtaatgtca tctagatgtc acatacaccc tgatataatg 4740  
 ggatgcacct ttgttgcatt atttcaaaaa ttcataacct tagtgtgatg gtcaggttta 4800  
 tgtgccaact taggtctcagc aacaatactc agttactcaa tcaaacatga atttaggtgt 4860  
  
 tgctgtgcag agactttgca gatgtgttta gcctgtataa tcagtttaag caaaagagat 4920  
 tatectaaaa aatctgaatg aaaagaagtg agattttcct gaggaagcag aaattctgga 4980  
 ctgcagattc aatgcctgcc tgaaagtttc cagcctacct tttctgatgg cctgtccagc 5040  
 agattttggt cttactgagc atgtcccata agccaagtgc ttgccatcta tccatctatg 5100  
 tattgatcga tctatccatt ctactctttt tttcttgggt aatatgaacc cagattggaa 5160  
 aacattctac agactacttg ccagtcctcc tcaagacttt caaagacata agaaacaaag 5220  
 gaagacagaa agtgtagaag tccaggagac ttaggagggtg tgactttcaa acatactatg 5280  
  
 glaccctgga ttgaattctg gaacagaaac agagcattaa tgggaaaaaa aacggtggaa 5340  
 cacgaattaa gtttagggtt tagtaataa ctaacattta tttcatatac catgataaaa 5400  
 taagatgata aaaatggata aaactgggtg agtgatataat gagaactctt tgtactgtct 5460  
 ttgaaacatt ttagcaataa taaaattttt ccaaaaggaa aaggttttgt ttgattgttt 5520  
 tttgtgattt tttttttttt ttttaagaga gcgtctcact ctgtcgccca ggctggaagg 5580  
 cagtgatacc aacatggctc agtgaagcct cagcctcctg ggctcaagtg atcctctcac 5640

ctaagcctcc tgagtaggtg ggaccacagg tgtgtgtcat tgtgttcagc taattaaaaa 5700

aacaattgta gagatggggt ctcaccatgt tgcccaggct ggtatcaaac tcctgggctc 5760

aggcagtcct tctgcctcag catcccaaag ttttttgggc ctagccaaaa aagtttttca 5820

tgtacatgaa aaattacatc tatctgtctc tatgtctcta tctttgtatt tctatgtatc 5880

tatatgccta tctgtctgtc tataaacagg cataaggaca aatgccaatc atttggaata 5940

gactgtcaat aattattagg caaatagaaa tggcttgata taaaatcttc aggcttcagc 6000

tcatttcaag ccttgggtcc atatacaca ccatattatc taacaaaaat gaactatact 6060

ttatacctct cttctcccat acccatttgg tgactttaga cctaaggtat gaacaaaata 6120

tatatctggg caccctcttt acatctcagg cgacacttgg tgagtcagtt tctgcaaccc 6180

aggaagataa tgaaaagctc agaaagcaag tggccatgtt ttacatcact aattctgaag 6240

aagagctcag aacaacaaca actaaacatc caaatcaata atgttctcct gagctgaaga 6300

aagacatgtg catgcactaa aagccgaaac tattaatata tacaccaca ccattcctgt 6360

ttacattaac atggctttat tattcccaga aactcctgct ctggaaggta aaaattgcaa 6420

atgactttta ttgtctgcaa ataattttat tgattactcc agaaacttcc tgagagaccc 6480

accaactctt caacaggaag caaatgttat atcccagat atttctttca tcctccaatt 6540

tatttgataa tgtggggaaa tttgaatact tatatttaat gatattaaaa atattatctt 6600

ttaggaatga taatgtctatt gtggctcatt tttttccaa aacattttga acctttctct 6660

tcaaaatcct ctcttcccta tgcctaccaa tgctatatta ttctatcatg atccttacct 6720

aatcctaate aaacctcttc ctttctcct tcccgtaaaa agacctatgt taagccagac 6780

ttcagaatct cataaatata tttgtgcttc ttcttcagag gtgctgttaa cactgggagt 6840

agtgtcttct cttattgagg taagcaataa actcagctct gtcttattaa cagggtgatt 6900

tggtgatatt ttagaaagct agtattcaac agtgggttga aaaacgtcac tgtattccag 6960

gaagaatata atgaaaatac aatgaaaaca tatctccatc tgatcacaga ataaaaata 7020

ttgaactaca tagattaaaa tgctttataa gtatctaagt tgacaaaagt aattggcctt 7080

tcaaggagaa aaattcagtt ttgtcacatg ttgtccaatg caaatgaat gccaaaaaaa 7140

tattgaaagc tgggcatggt ggctcacgcc tgtaatccca gcactttgag aggctaaggt 7200

gggaggatca cttgagcaca ggagttcaag tctagcctct ctctctaaaa aaaaaaaaaa 7260

gcaggtggtc ccagcaactt ggaggctgag gcaagaggat tgcttaagcc caggaggctg 7320

agcaagccat gattgtacca ctgaactcta gcctgggttaa tggagtgaga ccctatctcc 7380

aaaaaacaaa agggatataaa aagttctgtia acctaagaat tttatcatcc tatcattcag 7440  
 ataatagaat ggtaatttca gattttatta agaaaatatt gtctactttt ttgaaaaatt 7500  
 attagtata ccattcaaca gaatgaggga taaagcacag aagtattaaa aaaattttat 7560  
 tgaaatctgt tagagaaaaa ttgaaaatac tttcattgtt acaattaaag ttcaaaaaat 7620  
 ttattcttga aaatgtatat catgcaaaat taataattta ataataatgc aacaataata 7680  
 atttatatca aatatatcaa actaaattaa caaaggctga aaaatggagt tggaaactgt 7740  
 atagtaaagg aatcaaaata tgaaaaagta agtaacttat ataatagaga cctaaaataa 7800  
  
 aatttttcat ttggaactgg catttaaata aatacatctt taaaagcttt tgtaaaaaga 7860  
 aataccatta gaataaaagg taagaaaaat actttccaaa atttgagtag ggcataaagt 7920  
 ggggtgaaca gaagtaagca agttgaaaat gaatttggtg gaggtgagca gaggccatgt 7980  
 cataaaggac aatgcaagcc atactactgt gtttgaactc taatgatgca agttttgttt 8040  
 aagaaaactt ggagtaagaa tagatacagt atgactagtt aaaagagcat ggaagtaatc 8100  
 cagttgaaaa atggtggtgg cctggactag gacattggca atggtgatgg aaagaagtgg 8160  
 aaggctttgc aagatataag aagattaaag tagatgtgct tgtcaattga ttggttggca 8220  
  
 ggggtgaagt ggatagaaga atcgggggttt ctgatctgat atcagtggat gatagagcca 8280  
 ttcactgaga ttggtggttg gtggggaatg aaaactgaag tctgggctgg agattgtcta 8340  
 tcagttacat atacattcaa ttgttctaca actagcaaat gaacacttgt gtttaattaga 8400  
 taccctgcta gactctgaga agaccacgat aagtaagaaa gacacaattc atgttatgct 8460  
 aggatttatg gtttatctca gagcttaaga gaaatttgaa tgtgatgact acttttctca 8520  
 gaattatcag gagtgttgtt taaaacacta aatttgtccc cacctttgtc tactagatcg 8580  
 aatttccag ttgattctta cagtaagatt tgaatccac taatttatat aactgaaacc 8640  
  
 tttcacttgt gacatcacta aaacgaagtg aagagaagga acacaccacc agtgtttatc 8700  
 agaagcccag aggaagagca gtttataaaa gacactgaga attgatggcc caacatttaa 8760  
 gaagaaaact agagtttgtg ttgtgttgga agactagaga aaggaaccgt taatgtagga 8820  
 aagtttgttt aacattaaaa ctgctaccaa agagtcacta agatgagatc taaaatatac 8880  
 tcactgaatt ttgtcactct agtgagagca aggtgagcaa ttttgaagtg gtaggtgagg 8940  
 aagcaaatc cataccaaga gctagcaatg catccaagaa acctgggagg aaaagggtca 9000  
 agagagagta gtaaccagaa tctcaaggga gtttgaggga taattgttta aaaaagagaa 9060  
  
 ctgaatatga cattctgata ggaaaaagaa actgaagaaa aaacagttag aggagagtgt 9120  
 tttaaaaaaa tttaaaagaa agtcttgttg gataagataa agaacacagg gtctaataa 9180  
 gatctaataa gatttagtaa gatctaataa aacaggcagt aagaaaggaa gaaaggatgt 9240

ggttctgttt ggaagagaag agtaatcttg aagagtgcag gcacctgtct ctcttcatct 9300  
 ctttataaac agtacctgtt attgtgcctg gcagacagca tacccttaat caatacttat 9360  
 taaatgaatg aatgattagg gaagcgggtca gtagttcatc ttcaatttct ctgtaaaata 9420  
 ttagttaaaa atctatgata agtaaaggag aggggtgatgg ggtcagagac tgatcagagt 9480  
  
 gaagaagcat tggaacagtt tctgtaggga aaaaatgaga caaaaaagtt gcaggagacc 9540  
 atggaatctc agtagcatct gttgcacaga ggttgatttt ctccatcagc atccacagaa 9600  
 gatgaagaaa gcaattaggt ttgtccattt ttccaagga cctagtttac agttaggata 9660  
 ggtctttgtt atcttctgct gcctgagaga ttctccatt aaactcaaga tgcgccctct 9720  
 cctgcagtac tgctttgagc ttgtaatgaa tattccacct agagacacac ctaccaagg 9780  
 tgtgttctac ttctgataa tcacgggctt attccattcc acctgtcctt ttggatga 9840  
 cactgttctg ggtgacataa acctagtctt ggtatccctg agacccatt ttctcataa 9900  
  
 cagcttcccc agtgggacat accatctgaa cacgttctgt cagaatcca agtgtctttc 9960  
 caacttccct tctgtcatc aattgattta attttttaa cttttattta tttatttatt 10020  
 tttttattta tttatttatt ttttttgca gagacggggt ctccatgt tgtccaggt 10080  
 ggtctcaaac tcctgggctc aagtgtcct ccatctcag cctcccaag tgcagggtt 10140  
 aaagggtgta gcaccgacc tcaccattt gttgactttc aatgcaagta aatgactttc 10200  
 aatgcaagta aatgctggat tagcaaaact gttgtatgat ttttgtttc tcttaatgaa 10260  
 gcctgcttaa tcctcattgc atagtgtttt caccattcat ccagaacaca tacatcagat 10320  
  
 ccaagggcca agttgcagct aggttatata atgccttctg gcaaataaca aaacaatgcc 10380  
 tcttctaagc aggtcaatta gggaaaacaa aagcatattc ctgtgagcca atgcagcacc 10440  
 aggaaacatt tggaagaaca ggtgtacat ttgtgtcga aaagaggtgc tcttttggga 10500  
 aagagcaact gccaggcagg gtagctatgg ttagttagt gaacagaggt gggacttggg 10560  
 cccatttat cactgtggct ggagcctgtg ggcagagtgg aggcctcat gcttcagaaa 10620  
 ctgactcata caaagtttca tatagatgaa aggggtgatg ggtaacagcc acaatgcac 10680  
 cacagaaaag gtcattttcg tgtactgaat ttaggtcatt atttaatac aaagataagg 10740  
  
 agtcttttgc tttcaattat atgtcctttg taaaaaaaa aatgaaaat gacaacatgg 10800  
 cacttttgta gtcttagtgc catgcaccac ttctgtttta tcttgttta aattactaaa 10860  
 ctgaatgttt ttgtttataa acgtgagagg aaagggaata gccaaaatat tgcacaacta 10920  
 aaaaagccca ttgttctgaa taataaaact gccagagaag gtaaattgtg cttcagtga 10980  
 tgaatttatt taaagaagat aaaagacttt gtttctcaa actctctgat agagacacta 11040  
 aatcaaaccc caaatctgaa gtagcagata ttagatgtca gatgcatggg tcattcattc 11100

atctccccct ttccttgcta taactcagct cagaacaagg gaaaaagagt cagctgtaat 11160

taagatgcaa agactaaatc tcaatcctct gggcgctgac ggcagtgtct gaggtagcag 11220

tctctgaagt atttgtgcat gactgaagaa accttatgat ggggaaagat ttgaaggcag 11280

ggggcagtgg ataaggtaa atataatatg atttttttcc ccattaatct cttatttttc 11340

cctccagatg caggtcacaa gcctgtggga gaattttttt gcaaatatga tgaaaaatga 11400

ctctacttcc cttcaacttt gatatttttg aaattgggtc tataaagact aaatattgtg 11460

atgaaccttt tagttacagt gtttcaattg attccagatt aagtgaacc ctctaaggcc 11520

tgaattgatg ggtttatttt gggactgtcc taaaatccaa atctttataa ttcccaaact 11580

gcatgagtct taigtctaca ttgtgtcccc tctaaatggg gaggaacaat ttaggcccc 11640

aacaggcatt cttttccag tgcaatacca attcaatttc aaccatctga aaaattactc 11700

aattaaagtc tattttctga atgcaagtga ttgcccatcc tggaatagct ctccttgtct 11760

gcggcctttt ctgcagagta gctgataagg ggctggctgg gctgacaaca tgtatgtgta 11820

caaacttgca cactagagta atgatcctag ggatacctct gtactcagga acttttgttt 11880

gatgttggat aatccttggg tgtttgaggg tttttttttt aattacattg ttcattgaatt 11940

cattatatat ttgtttaagg cacacactaa attttaaata tctgaaatga ctaatttaca 12000

aaattcattt ctgaagccag aattgggtga ggagttaaat tcaatctttc ataaaaacat 12060

aatgaacacc tgctgcgtta agcaggggaa ctagaatgaa taggacacag cctcggctctt 12120

gagaagtata cattctagtt ggaggactga gaaaagaata caaataatta caatataaag 12180

caggtgagga tgagcgttta ggagtacaaa gtgaagtgag ttcattaggaa ggggtttctca 12240

tccatttgaa actacaaagt atttctatgg aactttgaaa ttttaagattg ccttgaaaga 12300

tgagttgaat ttgacagaat aaaatattat gcacataagg aataatataa caaaggcaca 12360

gagaggaaaa gactgcatag caaatggtta ttttttggct ggagaatggg gctcatacga 12420

aagaacatcg ggcattaaag ccagaatgca ctttaacctg ggagcagtgt agactaaatt 12480

ggagtgaaga aagaaatgaa tgtgaagggt gaggggtggag ctggttcagg gaagagacca 12540

gaacaataac cctagggagg taaagaggaa tttagctaag gtggtaatag tggggaaaga 12600

aaagaaggga tgaatatgaa aaactttctg aaggactgct tgctgggaac tgtaacacc 12660

ttagatgtgg tgaataggga gagaaagaga ccactggtgg ctgagaatga gcctagtact 12720

aacagagtgg tgttgcctga agacagagat aggaaagtca agaggaagaa ttgggggtga 12780

agaaaccaac atttttgttg agatttagtt tatttgaata cttgggatag ccaggagtta 12840

aggagatacc ttttagtcat acacatccac atgtcaaagc catcacattg cagctgtggg 12900  
tatacatttg ggtgccatgc gcttaatgat ggaagtttag atgggaagat gttgggcatt 12960  
atgaaagaga aaagcaaggg aaagagtaaa ggccaaagag agtatcaggt tgtcagaata 13020  
tcaaattttg cagacaagtg ggcaacaaag ctagtitttg gtgcttgggt gatcactggc 13080  
aacattaagg agaactttta gtctaattgct gggagtaggg tccagaaata aaagtcccag 13140  
gtgaggcaaa aataatgaga gagagagaga gactgagctc tccatctggt gtggttgatt 13200  
ttgtgacttg aactgtgatg tgctcttagg gtggccagat tgagttaagc tgaccaacca 13260

tcccagtttg cccgggacag tcccgtttta gcacgaaaaa tctgcatccc aggaatctcc 13320  
ctagtcttgg gcaagctggg atggtttgtc accctacaat tcttagggca acatacggcg 13380  
cttagtaggt tttcagtaag tatttgttga gtgaatgaaa aaaagaaaaa aaaaacagag 13440  
acagattaac ctctctgggg ctaagttcct taagtttga aatgaggtt agaaatatct 13500  
glaatagcca gcacatgagg ttattttgac aaccagatga aataatgttt catgcgcgtc 13560  
cgtgtgaaga gaccacaaa caggctttgt gtgagcaaca aaaaacggca ccaaatttca 13620  
tgcgcgctcg tgtgaagaga ccaccaaaaca ggctttgtgt gagcaacaaa aaacggcacc 13680

aaatttcattg cagtcctgtg tgaagagaac accaaacagg ctttgtgtga gcaacatggc 13740  
tgtttatttc acctgggtgc aggcgggctg agtccgaaaa gagagtcagc aaaggagat 13800  
aagggtgggg ccgttttata ggatttgggt aggtaaagga aaattacagt cgaagggggt 13860  
ttgttctctg gtgggcagga gtgggggtcg caagatgctc agtgggggtg ctttttgagc 13920  
caggatgagc caggaaaagg acttttaciaa ggtaattgtca tcagttaagg caaggaccgg 13980  
ccatttacac ttcttttgtg gtggaatgtc atcagttaag gtggggcagg gcatattcac 14040  
ttcttttgtg attcttcagt tacttcaagc catctgggct tataatgtgca agtcacaggg 14100

gatgcgatgg cttggcttgg gctcagaggc ctgacattcc tgccttctta tattaataag 14160  
aaaaataaaa caaaatagtg ttgaagtgtt ggggcggcga aaacttttgg ggggtggtat 14220  
ggagagagaa tgggcgatgt ttctcagggc tgcttcaagc gggattaggg gcagcgtggg 14280  
aacctagagt gggagagatt aagctgaagg gaggtcttgt ggtaaggggt gatattgtgg 14340  
ggatgttaga agaaacattt gtcttataga atgattggtg atggcctgga tacagttttg 14400  
tatgaattga aaaactaaat ggaataacag aaggagaaaa acaggtataa aaggtctaag 14460  
aattgggacg actcaggata tctgattaga gagtgcctaa ggagattcag catagtcctg 14520

ccagcaaaga ttattttatt acttcaagag ttaagagtgg cagtttgggg atagcaccag 14580  
gagatatcag ctgtgatggc ttggaaaaac agtgtaaaact ggcagtgtaa acaagagcag 14640  
ggcatgtttg agtagtttag aacggtgaat aggagtatga ctacacagaa aatagtaggg 14700

atgacaagtt tttttttttt tttttttttt ttttttttga ggcacagtct aagttggctct 14760  
tgtgtctgga atgagactgg ggcctaataa aaaagagcgt ctatacagga gcttaaatcg 14820  
gccgtaccct gtagcattcc gagaacaggc ctgaattctg agaagggaaa gtggtaaaag 14880  
tattgtccag tcctttttca gttgggtggct gagcttggtg aggtgtgttt ttaaaagacc 14940

tttagtctat tctacttttc ttgaaggcgg aggaccataa gggatataaa ggtttcactg 15000  
aatactaaga gtctgaaaaa ctgctggctg atttgactaa taaaggctcg tctgttatca 15060  
gactgtattg aggtgggaag gctaaactga ggaattatgt ctgacagaag ggaagaaatg 15120  
actgcggtgg ctttctcaga ccctgtagga aaggccttta cttattcagt gaaagtgtct 15180  
atttagacta agaggtatit tagtttccig actcgggcat gttgagtaaa gctaatttgc 15240  
cagtcctggg tggggcaaat cctcgagctt gatgtgtagg gaaggaggagg ggcctgaata 15300  
atccctggag tagtagaata gcagatggaa cactgagaag ttatttcctt gaggatagat 15360

ttccatgatg gaaaggaaat gagaggttct aagaggcagg ctatggcctt gtactatagc 15420  
ataacctgcc ttgcccgtg tgtggcgatt aggcctgggtg gaaccgccat caataaatca 15480  
agcgtgatca gggtaggaa caggaaagaa ggaattttgg ggaatgggg tgaatgtcag 15540  
gtggatccga gagatacagt catgagggct aggtgtggta tcaggtataa tgtgggaggc 15600  
cggattgaag tccgggccag gaacaatggt aattgtggga gactcaaca agagttagta 15660  
tagctgaagg agcggggag cagaaagtac atcgctcagg tatgaggaag aaaacagatt 15720  
ttggaagtta tgagaactgt agagagttag ttgagcatag tttgtgattt tgagggcctc 15780

taaaagtatt aaagcagcgg cagccgccgc acacagacat gagggttagg ctaaaacagt 15840  
aaggtcaagt tgtttcaga gaaaggctac aggggtcggt cctggctctt gtgtaagaat 15900  
tctgaccgca ctaactatgc ctaggaagga aagcagttgt tgtttttaa gggattgagg 15960  
tttgggagat taattggaca cgatcagcag ggaagcacg tatgttttta tgagaattat 16020  
gccgagatag gtaacagatg aggatgaaat ttgggcttga ctgaagtaat gggggctgtc 16080  
tatgaagcct tgcggcagta cagccttgggt aatttctga gcctaattgg tgcagggtc 16140  
agtctaagtg aaagcaagga gaggttggga tgagggatgc aggggaatag tgaaaaaagc 16200

atctttaaga tcaagcacgg aatagttagt tttgaaggaa ggtattgagg acaaagagt 16260  
gtatgggttg ggcaccacag ggtggatagg caaaacaatt tggttgataa ggcgtagacc 16320  
ctgaactaac ttgtaaggct tgtctggttt taggacaggt aaaatggggg aattgtaagg 16380  
agagtttata gggtttaaaa ggccatgctg tagcaggcga gtgataacag gctttaatct 16440  
ttttaagcg tgcctgggga tgggatattg gcgttgagtg gggtaagggt gattaggttt 16500  
taatgagatc caggaatagt cagggaagca gattatttag ttaaagtgtc tcagccta 16560

aagggaactg ggcaggtggg gataactaaa aaggagtgt taaaagagta ttgtctaagt 16620  
  
tggcaccaga gttggggagt ttttaagaggt ttagaagcct ggccgtcaac acccacaaca 16680  
gttatggagg caagggaac aggcccttga aaagaaggta atgtggagt ggtagcctcc 16740  
gtattgatta agaaggggac gggctcacct tccactgtga gagttacctg aagctcgggtg 16800  
tccgtgatgg tctagggggc ttccgaggcg atcgggcagt gtcagtcttc agccgctaag 16860  
ccgagaagat ctgggaagga gtcagagagc gttcccgggg ctctgggagt ggctgccagg 16920  
tgagtgaac agtctgattt tccgtggggc cccacacaga tgggatgcag cttaggagga 16980  
atcccaggct gcgggcattc cttggcccag tggccagatt tccggcatgt gtagcaagct 17040  
  
cctgggggag gaggttctgg aggaacgcct ggccactgca gttcaggtgt ttggaagtcc 17100  
ttgtgtgctg gagatgtggc tggggtttgt ctacacagtgg aggcaaggaa ttgcaacttt 17160  
ttttctgtta ttgtacacct tgtaggtgag gtttaattaag tcctgtttgtg tggtttgagg 17220  
gccagattcc aatttttga gttttattta atgttgggag cagattgggt aatataatgt 17280  
atattgagaa taagacggcc ttttgacctt ttagggctca gggctgtaaa gcgtttcagg 17340  
gttgctgcca aaagagccat gaactgggct gggtttttat gtttgatgag aaagagccta 17400  
aatgcttctg atttgggata aagaaaaagg agcattaacc ttgactatgc ctttggctcc 17460  
  
agccaccttt ttaagagtaa attgctgggc aggtggggga gggctagtca cggaacgaaa 17520  
ctgtaagcta gaccaggtgt gaggagggga ggcgataaaa agattatagg gtggagaagc 17580  
ggaggtgag gaagaattgg gacctagctc ggcctggcga ggagcagcct ggggaggaag 17640  
ggagaggtea gatgggtctg tagaaaagga agattagaaa gactcagcga cacttgggt 17700  
tggtactgag gggacaggcg ggagggaag aaggaagatt tgggacgagt tgcactgggc 17760  
acagagacta ggaagggact gatgtgtaaa agaatgcctg gacgtcagcc acctcagacc 17820  
gtttgcctat tttatgacaa gaattattta gatttcgcag gatggaaaaa ttcaaagtgc 17880  
  
cattttctgg ctatttggaa ctactgtcga gtttgtattg gggtaagag gcattgcaga 17940  
agaaaataag gcatttaggt tttaggtcag gtgtgagttg aagaggtttt aagtttttga 18000  
gaacacaggc caaggagta gaaggaggaa tggagggtgg aagtttggcc atagtgaagg 18060  
aagcaagcct agagaaaaga gagagtagag aaacggaggg aaggcgttcg ggggttctta 18120  
ccttccagaa aagtgggaaa aggggttggg gcgcagagat aagaggtcag ggcattggaaa 18180  
taagggattg ggggtcagag atataagagg ttggggcatg gaaataaggg attgggacac 18240  
agagatatga ggtaggggca cggaataaag ggattggggc acagagataa gaggtagggg 18300

cacagaaata agggattggg gcacagagat aagaggttgg ggtgcggaaa taagggatgg 18360  
gggcacagag gtaagaggtc gaggttgga aataggggat tgggtgcag agataagagg 18420  
ttggggcaca gaaataaggg attggggcac agagataaga ggttggggca cagaaataag 18480  
ggattggggc acagagataa gaggttgggg catggaaata agagattggg gcacagagat 18540  
aagaggttgg ggcgtgaaaa taagggttgg ggggttcttg ccccgtagaa aagcgggact 18600  
tgccgctaag ggtgaaggag aagggttga ggggtacttg cccctctccc agaaaagcag 18660  
agaaggggta gagacaagga gagaaggggt tgaagtactt gcccttttgg gtgtttaatc 18720  
  
agagaggcgt ccttgcattg attaaacacc aagggaaggc tgccttccca gtccgtgact 18780  
ggcgccggag ttttgggtcc atggataaaa cgtgtctcct ttgtctctcc cagaaaatga 18840  
aaggaattga aattaagaga agggagaggt tgaagagtgg aaaggagaaa gtggttgagg 18900  
gacagtgaga gaggttggag aagagagtaa gaagaggccg cttacctgat ttaaaattgg 18960  
taagatgttc ctgggctgg tccgtctgag gacctaaagt cataggtgga tctttctcac 19020  
ggagcaaaga acaggagtac aggggattga tctccaagg gaggtcccc gatccgagtc 19080  
acagcaccaa atttcatgcg cgtccgtgtg aagagaccac caaacaggtt ttgtgtgagc 19140  
  
aacatggctg tttatttcac ctgggtgcag gcgggctgag tccaaaaaga gagtacgcaa 19200  
aggagataa gggtagggac attttatagg atttgggtag gtaaaggaaa attacagtca 19260  
aaggggggtt gtctcttgcc cggcaggagt gggggtcgca agatgctcag tgggggtgct 19320  
ttttgagcca ggatgagcca ggaaaaggac tttacaagg taatgtcatc agttaaggca 19380  
aggaccggcc atttacctt cttttgtgtt ggaatgtcat cagttaaggt ggggcagggc 19440  
atattcattt cttttgtgtt tcttcagtta cttcaggcca tctgggtgta tacatgcaag 19500  
tcacagggga tgcgatggct tgacttgggc tcaaaggcct gacataatgt atatgagtat 19560  
  
attagaaaa actgaacact atacaatat atacaaattt atgcttgatt aatttttat 19620  
tttatgcatc ctatgcatac tattatttgi tgaattttt acttgtcttt ttttttttt 19680  
tttggtgcac taacctctca tttccaatga tgtgatattg gactgaagt tagtaattaa 19740  
ttttgtttat atggcaccca acaccaaga gcctctagge acatggccaa gtcctttttt 19800  
taaatatagt cattaaatat aggaaaagag ccaagcaaat tcctaaactg gcaagtgaac 19860  
aaaagcgcaa ctagaaaatg gggaaacaaa agaattaata acaagtatca attagagaa 19920  
tttcttccat taictagga caaaaactgc atcccaaacc taatagaaaa taggttgtat 19980  
  
aacattagcc acctaatctc ccaacctctt gataaaagag ctcctgaagt atgaattttt 20040  
tttaaatgaa aatttccgtt ttttaaaaat tgaaaatata attagctttt tcaattagca 20100  
aattctcatg ttaaagtggg aagagacctt ggagatcatc tcattctacc ttcttatttg 20160

atatgtgctt ttgttaggaa cagctctggg taatgtttta ttaacatact tagctccaca 20220  
 aagtgaaggg taaactcccc tgtgaatgaa ggactctgca gatttcagag ttagacaaaa 20280  
 gaatggatca gagtctctaa ctggactgtc taagtccctt catccatact tagctctctc 20340  
 ctcccactg gacaggatcc cagtctcatg gtccctagaat attttgacta aactctgagg 20400  
  
 gctgcactgc aaagacattt gttttctttc ctgctttgtc ttcttgctt ttctcagctt 20460  
 ctgatgctcc ttttgctttt ctctattaat agctgtacat atttctagaa atggtagatg 20520  
 caatatgact cagagaaata ttattcaaag acttcaactt ttttgcccaa gaaattcagc 20580  
 aaactttaaa cttttctttg attacccac tctcctgtct ttgaagattt cttttggaga 20640  
 caccctattt tgtggtgtct cttttatttg aagttagatt tacagcaacg aacagtttc 20700  
 aaaattagac ctcttcaca aataagtta tagataattt gcagagatta tttattttac 20760  
 aattcaaaat tctctgccta ataccactgt gctatgccaa ctatatatat atatagtcac 20820  
  
 ttgtgtatat atatatttca tataagtca ttgtacact atatataca atttgatctg 20880  
 gataggcaaa ttgtgagata tttattctac atgaaccctg ttatataatg tctgatctat 20940  
 tgtactgac aaattatcac tctcatatgt tcatatttga tactattagc aaggacatat 21000  
 tgtttactat agtatttatt tcatgcatgt ataactgtc atacaagtag attgtgtcaa 21060  
 attgtgacat aaatatactt ctcaatttcc cttttaaac ctttaattcct cagtctatac 21120  
 agaggggtct attgttgaga agagctaaaa tgttactgct tctggagtac ttccacgttt 21180  
 aagatggaaa atattgaggg caactgtatg gaattgtata tcagaccctg aaagtggaaa 21240  
  
 ccactgtgtc ttaggctaag aggaatgggt ctggaatata aggaactctg atatgatgtc 21300  
 ataagactat gttcacttct gatttcaaca tttattagct atttgacatt agataggatga 21360  
 accctgataa gccttaattt tcttatctat aaaataggaa cacttatttt ataaatataa 21420  
 tacaataaaa taaaaaagt atatacaaat gccatgtatt attattattt ctttacttct 21480  
 tttctataa tgccttttta gatgcacatt aaatactttt caataaatgg tggcataaac 21540  
 tttctagagc agttataata tagttatttg taataattag atattttggg ggagctgcgt 21600  
 atctttaatt ttatttttta gaagagtctt ggaaatgcta ttatttgaa actatttttc 21660  
  
 ccttgattat ctggaatgaa acatttcaaa taaacctcac aagccaggca caagactacc 21720  
 ctgtaatact ggctacaaa ttctgaaaca ggattgcatt tcattctcaa aaccaatttt 21780  
 acagtttaac aacatgttct ctctttttct ttataaaga aatccagctg ctttgttcat 21840  
 atggtacttc ctatgtgggt atggtttaat ttgtctcac caaaactcgt gttgaaattt 21900  
 gatcccaat gtggtagtgc tgggaggtga ggcttagtgg gaagtacttg ggtcacgggg 21960  
 gcagagctct ctgaatgac ttgcttcagt tctcatagta atgagttagt ttctgctatg 22020

ggaatactgg attagttcct cccagagtgg gttgtgatga agtcaggata cccctcagaa 22080

tttgtctctt cacacgtgtc tgcttcccct ttgaccttct gccatgtctt gacacagcac 22140

gaaatgctgt caccaaaagc tgagcagatg ctagtgtcat ggtctttgaa ctctctagcc 22200

tcgagaacca taagctaac aaacctcttt tctttataaa ctgccagacc tcagtcaggc 22260

atagcaacaa aaaaaaacag actaagatag tattctctta gccaaaattt ggtctgtagg 22320

ttttgaatct tttccttctt caaataaaca aaccaaataa actaatagtt acttgtaaaa 22380

tttttctat aaaatttaca ttttgtctg ctctcttttt cttttgggac aaagtagtga 22440

ttgtaagggg cactgtctgg atgcatttaa gagagatttc tatttttaag ctctcttagaa 22500

aaattacctc tgttctttgg gaatcatctg aagggtattt tctcagtgat tttattatgt 22560

agagttaaaa tacacacttg gctgatttag cacttgataa aatatagtag cttaaagat 22620

ttatacattt ctttgatata catatatecc ctccaaaagt ctctgatac ttgccatttt 22680

cttctttctc caagtcacca tgaaggattt gaatttttac aaataaatta actgtgcata 22740

agcaagtctt cctgttttta atcccagtc tggggccaaa actcctttta aataagcatt 22800

gccctaggat ctttgttttt ttttactttc atatcaaaga cttctttcta aagctgtatc 22860

aataatcatg ctgaggggac tacaccgtac tcagttcatt acccacagaa aaaatgagaa 22920

tttatttggt tctgtccagc tttagacttca tgactagagg taatctgaac tagtaccag 22980

gccagtcctt agaccacaca tgatgggtaa cattctcaca tttgatgaca atcttctacc 23040

attcttttta atttttttga atcatttttg agtgtggagg cagatggcac gtctctcagt 23100

gaaatcaaag gcataatgga agctgttttc aatagtcca tgccacctaa gtgcagtat 23160

ttatatattc aggaaaaaat aatttagctt ctgataccaa gctttggatg tagtcataat 23220

gaatatatat ttcccaacaa ccatacattt tgaattttct aatgattgt gtggaaatcc 23280

tcttttaatc atagttagca gtcaagttca gaaatgtaga aactggcttt tagatggatc 23340

agacaaatct aagaaagaga ccaaaaagga tcattttttt gtttgtaga aaaagaaaag 23400

tcattctaat aggttctata gcctgagaga ggatattcaa tttttaaaac aatattgtct 23460

atttaggtta agaaaaaat acattcattt taccattttc cattctcttt tctgtttgtt 23520

cattaaatta tatacaggtc agaagccagg ggttgaaact tccttaagtt acttgtacac 23580

ttcattaatt ctattcaaat aattcatttc agagtattag ttgttaatta aaaccagaat 23640

gacaatggca acaattaaaa atcttaagaa aataacttat attcagtatt ttttcttata 23700

acacaatgaa ctcatgtctt cccaaactag attcagcat attgttaact cacattgtca 23760

tagctctcta gagtccaaat tttttgcatg tagaaaatca gcactatgca acagggacag 23820  
ctgccgtgat agcaacctg taattgttgg ggctggactc ccaggggagt aagaaaggag 23880  
gggtggaggg aagaaacacc accaatactg agagagagtc catattttat gagtatctca 23940  
acacttaaaa tcctggcagt ttatatgtct gagttcagtg gtgatatttg ctattttatt 24000  
aagtgaataa agatagagtt ttattttctc tgcagatata tgtttttttt tttttctgtc 24060  
ttttaatgaa attattattt gctaacaagt cttagggttt ttgcagaaca aatctcttag 24120  
ctcaagctgt tacatcatgg ccagttccca taagacaagt tgataatcac cctttttgct 24180

ttccttcaaa tttgacaaac ccactaaaaa ctactagata ttataaacac tatcccttct 24240  
cttccttaga tttctaagag aattttacta ttctcttagc gttctcctat ttttatgaag 24300  
tgccatgcca ccttatatgc atttctttcc tatcagatag actatattta tatttatgca 24360  
tcaaaattgt ggtgctatca ttcagaaaag gcaacttttt aaaaaatttt attattatta 24420  
tactttaagt tttagggtac atgtgcacaa tgtgcagggt tgttacatat gtatacatct 24480  
gccatgttgg tgtgtgcac ccattaactc gtcatttagc attaggtata tctcctaag 24540  
ctatccctcc ccactccacc caccaccaca cagtcgccag tgtgtgatgt tccccctct 24600

gltgtccatgt gttctcattg ttcaattccc acctatgagt gagaacatgc ggtgttttgg 24660  
tttttgtcct tgcgatatgt tgcagagaat gatgggttcc agtttcatcc atgtccctac 24720  
aaaggacatg aactcatcat tttttatggc tgcctagtat tccatggtat atatgtgcca 24780  
cattttctta atccagtcta tcgttgttgg acatttgggt tggttccaag tctttgctat 24840  
tgtgaatagt gccactataa acatatgtgt gcatgtgtct ttatagcagc atgatttata 24900  
atcctttggg tatataccca gtaatgggat ggctgggtca aatggtatit ctagttctag 24960  
atccctgagg aatcaccaca ctgacttcca caatggttga actagtttac agtcccacca 25020

acagtgtcaa agtgttccta ttttccaca tcctctccag cacctgttgt ttcctgactt 25080  
taatgatgc cattctaact ggtgtgagat ggtatctcat tatggttttg atttgattt 25140  
ctctgatggc cagtgatgat gagcattttt tcatgtgttt tttttggctg cataaatgtc 25200  
ttctttttag tcaccactt ttgatgggg ttgttttttt cttgtaaatt tgtttgagtt 25260  
cattgtagat tciggtatatt agccctttgt cagatgagta ggttgcacaa attttctccc 25320  
attctgtagg ttgtctgttc actctgatgg tagtttcttt tgcgtgcag aagctcttta 25380  
gtttaattag atccatttg tcaattttgg cttttgttgc cattgctttt gctgttttag 25440

acatgaagtc cttgcccatg cctatgtcct gaatggtatt gcctaggttt tcttctaggg 25500  
tttttatggt tttaggctca acatttaagt ctttaatcca tgttgaatta atttttgtat 25560  
aaggtataag gaagggatcc agtttcagct ttcttttttt tttttttttt tttttttgag 25620

aaggagtcctt gcctctgttg ccaggctgga gtgcagtggc gcgatctcgg ctcaactgcaa 25680  
gctccgccta ccgggttcac accattctcc tgcctcagtc tcccgaatag ctgggactac 25740  
aggtgtctgc caccgtgccc ggctaatttt ttttgtatct ttagtagaga tggggtttca 25800  
ccgtgttagc caggatggtc tcgatctcct gaccttgtga tccgcccacc tcggcctccc 25860  
  
aaagtgtctgg aattacaggg ttgagccacc atgcccagcc ccagtttcag ctttctacat 25920  
atggctagcc agttttccca gcaccattta ttaaataagg aatcctttcc ccattgcttg 25980  
tttttgtcag gtttgtcaaa gatcagatag ttgtagatat gaggcattat ttctgagggc 26040  
tctgttctgt tccattggtc tatatctctg ttttggtacc agtaccatgc tgttttggtt 26100  
actatagcct ggtagtatag ttgaaagtca ggtagcgtga tgcctccagc tttgttcttt 26160  
tggcttagga ttgacttggc gatgtgggct cttttttggt tccatatgaa ctttaaagta 26220  
gtttttgcca attctgtgaa gaaagtcatt ggtacctga tggggatggc attgaatcta 26280  
  
taaattacct tgggcagtat ggccattttc acaatatga tttctctac ccatgagcat 26340  
ggaatgttct tccatttgtt tgtatctct tttatttct tgagcagtgg tttgtagtcc 26400  
tccttgaaga ggtccttcac atcccttgta agttggattc ctaggatatt tattctcttt 26460  
gaagcaattg tgaatgggag ttcactcatg atttggctct ctgtttgtct gttattggtg 26520  
tataagaatg cttgtgattt ttgcacattg attttgtatc ctgagacttt gctgaagttg 26580  
cttatcagct tgaggagatt ttgggctgag acagtggggg tttctagata tacaatcatg 26640  
tcctctccaa acagggacaa ttgacttcc tcttttctta attgaatacc ctttatttcc 26700  
  
ttctctgccc taattgccct ggccagaact tccaacacta tgttgaatag gagtggtag 26760  
agagggcac ccgtcttgt gcctgttttc aaagggaatg cttccagttt ttgccattc 26820  
agtatgatat tgctgttgga ttgtcatag atagctctta ttattttgag atacgtccca 26880  
tcaataccta attgttgtag agtttttagc atgaagggtt gttgaatttt gtcaaaggcc 26940  
agaaaaggca actaatgga aattacatgt cagggtgtcac ctctctcagt actgcaaggc 27000  
tatttatcta cacctcttcc tatttactgt ttgtgtacc ctttagatat gctaaggggt 27060  
ttgcaaaaaa caccttcaat taggatgatg tgactattac tctgaaattt cttgactgct 27120  
  
ggaaaagacg caggatttgt cctatatagc atgattcctc tgatgtctgg tcgatcacc 27180  
ctgccatct tttggaggta gaggattgaa gtagtctttt ttatcaacta gaattactca 27240  
cattgacatt ctgtcttgtt atagtaaact ctggtgtaca agcagcatgt agtggtacat 27300  
tttaataact aagtgtaaaa aaaatggcta ttggaaccta cttagtattt gtatagcatg 27360  
gtctggagtc aatggctggg ttaaactcat gtctcttcat ttatcagttt ttgaccaca 27420  
aacaagttgc ttgagctctt tgtgcctcag tttgtcacc tgtagaatgg aaacaaaaca 27480

cttctctcaa agagttattc aaaatattga atgaattaat acatataaag cactcagaac 27540

aatgcccaga ataatgtgaa cacttcttaa aagtttagaca tttgttttta aaatacagta 27600

tagactagaa aaatgtaaat caatgcacat gaaacattgt attataagtg ttttgctggc 27660

cctgtaattc tctgccattg ggcaaatcac ttagcctctc tgacccttag atttttcac 27720

tgtgtaatgg ggataatgat agttatttta gaaggatttt tgtgaataac agaaacaaaa 27780

aatatatata tatataaata tatatatata taaatatata tattatatat atattttata 27840

tattatgtat atattttata tatatatata tatatataac tcctagtcca gttcctggca 27900

caaagtaggc actcaataaa tgtgttagta gtatcgtaac tcatatttgc taagcttaat 27960

gctctaagtc acagagaact gatttcagaa gaaaaaatgt gtgtgaaagc attctctata 28020

tttcattga aagcaaaacta atgaggaaca tatttagaaa aattcagaaa tatggagcaa 28080

ctgattaagc taatgttgta cctctttatc aatctgtcct ggctgagcat agggaagatc 28140

aggccaaatt ccttagctca aaattcagac tggtgccaag ggagctatca tccctgatgt 28200

gggctaagag cggttaatgt tgattcgcat atggttttct ttttactaaa tgagattatt 28260

tcattgaaac tgctgtgttc ccaaggtaaa tgagaacttt gctcttctgc aggtgcgcct 28320

gttctcagaa aggtaggatt tagatggttt aaactagctg aatttcaagc cttaaatcaa 28380

ggagaaaagaa tggatttaac tacatgagag aaggagacaa tagaactaac taaggaataa 28440

tatgcatgct ctcaatttta atgttaaatg aatttaaaag tacaatatata aagttttatt 28500

aacattgttc tggaattttt tgtctaaaac acaaaacata aataaataaa gcatatcaag 28560

gtttttctta tgtgttacgt tctgcattta catlgacatt taatttccaa gtacttactg 28620

gcagaaaaag tgcctatttt gtgcattttt ctgtttctgt cctatttttg cttatgtgac 28680

atttttctc tggaggaata aacatgtttt aaaaaatatt ttcagtttgt cattttaata 28740

aacaacttaa ttacaatgag ctaaaataag caagtcacat aattttcttg ggtgtatata 28800

acattagtta aatcctttta taattttaaa ataagaactt taacttttgt catccctct 28860

ccctcttaaa aaaaaacaca cagatataga aacatgcatg tacaactaa agaaagctct 28920

tttcctttt tttctgtatt tttcatatt tcctttttat tttctaaaat agtgaatctc 28980

aactgtttta gtcttctaaa taagtccaag ggtggcaaga ggaggataat tttcaaattt 29040

ctctgaaagt ctgtctagt atgataaaac agcaataata tgaatcaat actgtacact 29100

aaaaggatac gaaataaat ttataaaata attcacttac aagatattca tgttgacgtg 29160

ttgattctgg gttactttat tatgatctaa aatatcatca tctcttaaat attagtcat 29220

gggactggat agtgattgac ttttgagtgg ccttcctcaa agcatggtct gaagaccact 29280  
 gcatcaggat caccagagcc tcttggtgaa aatgtaagtt ctgggtttct atatatgacc 29340  
 tgtgaaatct gattctctgg agtctgagcc ccagagctgt gtgtgtgtgt gtgtgtgtgt 29400  
 gtatgtatgt atgtatgtat gtatgtatgt atgtatgtat gtatttgaga cagagtcctcg 29460  
 ctctgttgcc caggctggag tgcagtgggtg tgatctcggc tcactgcaac ctccacctcc 29520  
 cgggttcaag tgattctcct gcctcagcct cctgagtagc tgggactaca cgtacctgtc 29580  
 accacgcctg ggtaattttt tgtattttta gtagagacag ggtttactg tgttagccag 29640  
  
 gatggtctcg atctcctgac ctctgtatcc tcccacctct caaagtgtg ggattacagg 29700  
 tgtaagccac cgtgcccggc cagccatgtg tgtttaacag aagtcagat aattcttgtg 29760  
 cacactaaag ttgagaaac aaaggattca catctgtatc ttcaccttga tttcctaaac 29820  
 cagaactgaa agttatttgt cagtcagggt ggagactttc tagcacagtg gatctcatta 29880  
 ctggctacat attagaataa cctcgaaagc tttctaaaaa catctatgcc tagaccatat 29940  
 ctgaagggtg taaaaaatc aactctacct ttgatattt gaaatacaac atttagcaat 30000  
 taaatacagt ggcttctctt attctgtgtg tcctatttgg ttttaacct acgatttgaa 30060  
  
 tagagtttcc acaagggica tatttttgag catgtgtatt tcccaagta atgggtctgg 30120  
 gtaaaaagga gttgctcaaa taatactctt tgcattatag agattgaact ggaaagaaga 30180  
 aaataatggg ataatgagtt cagaatgaag caatttttta aaaatagtgg tgtcctacag 30240  
 cggtttgagc aatatcaagc aaaagaaagg gaagtaactc actagacaga agcatgaaaa 30300  
 ttgagaggat gtgatgagct tgaaagctgt gcatcagcaa aggtttatct ctccccagg 30360  
 gcattgtgaa agagggttgt ggtcattact gccaaagactg gtgggggaat ttcaggtgcc 30420  
 gtgagggggc aggtacacta tatccatctt attcaggttc ttagaataag aacctgagct 30480  
  
 tattctaaaa ttgatgataa gagagaattt acaactgcca gtggacatta aataggcccc 30540  
 tattctgact attttattaa acattcttta tatagtaatc tgcttttttaaatgctgttt 30600  
 tttgattaaa aaactagtat tctaattgca atgaccaatt ttaggagttt aaataaatgt 30660  
 tttcttttgg ggggttttaa tttcaaaagg tctttttctg agtttcccca aacattgctt 30720  
 tgcctttcat ttcttgatgc ttgtctaaa aatggaagcc gttatgaatc cctaacaaga 30780  
 ccatcttgta gattacagtt gtctcttaac tttttgagag atgtggctct cagaattgta 30840  
 ggatacatgg aagatattgg ctaagtcagc agattttaac tagagtaaga actatgatgg 30900  
  
 ctctatgtta atatataaaa aacaagaatt gttggagtca gtaattataa agagggatag 30960  
 ctatcttatg gtaaaactaaa caaacttatt tgagaatggg ggcaaagact aaatatctat 31020  
 cctaagttca gtgttaggat ggtttacata gtaatttttg ggctacagga ttattttaag 31080

atgatagcat ttgtaagact gtcctagtgc aaattgtgaa tggcaagttg gggctatgat 31140  
ttaagtatga aatagtaaaa gaagatagaa ttgtttcttt atagtattc aactagagta 31200  
gaagaaaagg cattatctgg ggacatacat acagtcaaaa aaacagtgtc atatgaatat 31260  
aatatagtta tactggaaga agaagagctg caaaatgttt ctaggaaacc ttatgaagaa 31320

aaatactgta attctaattgt ctttctatca acatagattg agtaccagaa tgtgacaata 31380  
gtgaacttaa aattttgata caagtgggta aattcattca tgtaaaaatg actgagtcta 31440  
gttgagttaa gactcatgat tagaattgca aagataggat ttttaaaaaa aaaatttcta 31500  
ttttattatt attattttta ttgcgatgga gtctcgtctc gtcacccagt ttggaatgca 31560  
gtggtgcaat ctcggtcaa ggtaacctcc acctcctggg ttcaagcaat cccttcatct 31620  
cagcctcccg agtagctggg attacaggct tgtgtacca tggctaattt ttgtattttt 31680  
agtagtgatg gggtttctact atgttggcca gactgctctc gaactcctga cctcaggtga 31740

tccaaccacc ttggcctccc aaagtgtctgg gattacaggt gtgagccact gtgccagcc 31800  
catctttttc caaagaaact aaaacttcaa aaaagaaatt tgtctttcca aacacagcaa 31860  
taatttgtat ggcttatttt tctcttttgg gtctcaattc aaaagtgaat attatttga 31920  
aattttcctt cgtgggaaag tgagaataag taatcagaaa tggatacact tcttttaggt 31980  
aatccaatat ttttgaattt ttttgaatca tatttttagtg tgatctttat aaaacacata 32040  
agtctaagtc ttctctagtt atttatctg ttcaagtatt taataacaat tatatataaa 32100  
ctttatatga agagcatttg atcaatctgc agtctaaaac ttttaggtta tacttaactt 32160

tttattaaaa cttcaaagca agcgtcttg agttttaata aaatacacat aaaaccttgc 32220  
ctatctcccc tccccagggt ttctacttta tgtattgtc atggctccat gctcttggtg 32280  
taaagtgcac gtacttatct cttctctgca acaggagta aagctttaac caaactccat 32340  
taaaaaataa taagatgaca actatagtca agtcacccat ttgcacagaa aagtgtgagc 32400  
ggagacttga cttacacctg tcaaatagaa aagagtaatt cattgatcag ggaactggta 32460  
tttttactg catgtcatct gcatttgta caggtagaaa tcaaatggaa gcgtggccct 32520  
ttcgctcta atttttctt ctttaactt ccactccac accagttgcc tctgaaggca 32580

acattacat ggcaaaagag tgcttgcttt ttctttttt aagtaggagt tgacatctgg 32640  
atgcttaag ctgccaggtg gacccatgt agaaccacag ctgttcttgc tggtaactgg 32700  
agaaataaag agcaagaagg agctgggtat tcgaagtcaa caaaggacaa tatactgtta 32760  
tcatttcaat cacacagggc tagtgatttg tattataatt gcaatacaat atttttaaaa 32820  
gttaatgtta tttgaggaaa aataactagc atgtcatctt tcatagcccc aaagatcacc 32880  
aagaagagct aagctttggc acataaacca agagagaggg agcaaagatg attgtcacag 32940

ttctgaagc catcagttta atagagaggt taatgaaaca agaagtaaaa ataaaatact 33000  
  
 ttctctagtt aatccaccat gatgccatcc ttcccatcat cactttttat catgagagat 33060  
 ttttatctgc tatttttcca cttaaatata tttttaactt atagttttat aaaatataat 33120  
 ttactacta aattataatt gctttatgtt tatacatgta tataatttaa agttgatgac 33180  
 tatagataat tgtattagtc tatacaaaaa gtcaaagtca aataaaatat tttaaaataa 33240  
 catttgacta ctttgtatgg atcaaccatg atatacacct agatttcact aaaacctcaa 33300  
 tatgtttata cagttaatct aggctaagat agcattacta taacaacacg agcaaacaga 33360  
 tggctgttag cagattgtct taaggcaata ctatgttaat caataagatt accagtatag 33420  
  
 atttagtaga agatttttgg attcagtgtt catacattgg tgagatattt tactgaggac 33480  
 agcatttctt atttttttaa acatatattc attatattag aatgtacata tattagattt 33540  
 aactgttatg cttttcatta taaaatataa aatgaatctc taaaatgtgt tggagggtat 33600  
 cacaatgca gaatcgatg taccaccagt tactttgttt acttataaat attcaattgt 33660  
 ttttgagagc cctctctatg ccacagattg ctctaagatg cttacattct agtgaaacaa 33720  
 ggcaaagaat aaactataaa aatttcggta aatattatta agaaaactaa ggaggaggaca 33780  
 aaagtgacaa gaatactgta ttagatggag tgattgggaa acctcttgga taagatcaga 33840  
  
 cattttaaac aaagataaga ttgaagactg tccttgaaga ttgggatatg tacttatctt 33900  
 agacaagata ttccaagtt aatttgaaat aagaagtga attcatgtat tggtaaatg 33960  
 ctataaatat ttccctatc agaagatatt tattgagcac atactaagtc ctaaggactg 34020  
 tgcttagcag aaggatttca aagatgaata agatacaatc cctgtcatca agagattcat 34080  
 gaagaaacac ataaaaaggt aattataata agaaatgcta attaccatga tggagctata 34140  
 atgcatagga cacttaggtg taattcctac attttgtatt gattacacta ttaacaagga 34200  
 tagggcccc aactctaatt tgttttgatg aaaaattata ctttcaatta atgtggttac 34260  
  
 ataactcagg gaattgagtc caattctggc tctctggctc taatactgta ttagacagga 34320  
 ctgttctct tgcattaata gaaacccaac tctagttaa acaaaagggg tatttattag 34380  
 cttttgctac tggcaattcc aaggattttg cagagcttc agctacaggt ggttttagag 34440  
 gatgtcatgg gattcgtct ctttccattt ctctgctctg cttttctcaa tattggcttt 34500  
 attcaccagc aggtatgtt tgtgttgtga caaagaaggc ctttggcacc ctaaatatgg 34560  
 gcaacatgta gcactacta tcataaaagc agaaagatta ttctctcca gcattccat 34620  
 ctgttgctg acctctgtc ctgcaagaat cacagtttcc tctagatca atcactgaat 34680

ctaccgtgat tatccattct ggtggtgggc ttaagtcagc aaataaaaca cagggccatc 34740  
cacataaatg acatatctac cagaatcctg cacagggtag agtagacagt aggaaaatag 34800  
ttctactacc ggaagaaagg gaaagagtac agtgttggca aagccaaaca aattttgcta 34860  
cagacagatt cattctgtga ccttgggtcaa gtcattgtcac ttgaccaaga gtctcggttt 34920  
caccacccat tacttgccaa cctcatagtg ttaaattata taaggaaggt tgtgtgccaa 34980  
ggttaaacad atagagaaaa atgcctaagt aataactata tcagcaatgt tactactgat 35040  
aaacaaatat ggittgcatc agatttcagg tactgggaac taaagtatta aaaaagatga 35100

aggggccggg catggtggct cagcctgta atcccagcac caggcagatc acctgaggtc 35160  
gggagttcga gaccagcctg accaaaattc gtcagggtgtg gtctgtggcg cctgtaatcc 35220  
cagctactca ggaggctgaa gcaggagaat cgcttgaatc tgggaggtgg aggttaccgt 35280  
gagccgagat tgtgccattg cactccagcc tgggcaacaa gattgaaact cgtctcaaa 35340  
aaaaaaaaaga taaagggtgg actcttcctt tgcaaataaa atgaaatgac agagccagct 35400  
agtcttgatg cctgtgtaat ctgcttagat ggttcccaa caggaggtgg aaatctgtct 35460  
cctttggaca caagaaacca cttagtgtga agatgtagct ctgaatggaa tttaaccta 35520

aaaatatgta aaagctgccc tcttattgct actttttaaa tatactaaga taattaacat 35580  
tttgggtgagt ttaaaaaaat gcagattctc ttagtaatat tcttattcaa ttaagctgat 35640  
aattttaatg aagcagtaaa tttaaatata cactccctt ctagaatgat atcaaattat 35700  
tttcattttg aatacaatac aaatgtgaca tttttatgtt tactgaattg gctcttaggt 35760  
agaattctct tcaactgtca aggccaggtg ttgcagccca tggcctatag aacaaattta 35820  
aatttttttc ctgtttttga atttaattct cctcctgctt agttcctact ctaagaatga 35880  
tttttacatt ttatctggcc gttttcagga aaagttgaat gactcctttt tcaagttgag 35940

ctttttcttt agaattttat caaccaccg cctcccaca cttttttttt gcagttcctg 36000  
ttccattctt gatgagcagc tcagtgtatg tcccctgtgc tgttcagac agttgattca 36060  
aaagaatgcc tctgaatggg aacaaggaat ttgccccgg gtgtacttgc tgcacatctt 36120  
gttaatttta ccaataacat gtttttttct ccaatacctt cagatagctt tatgcatgcc 36180  
ttctctctcc taggatctga tgattagcat ctccattaga gttccgactg aattttatcc 36240  
ttttattctc tgctcttat cactgatcat gtggactggc actgacagtg tgggcttttg 36300  
actgaccgtg gacttctca aatctacata ccaggccctt tttgccagct tattactcag 36360

cagatcttca gaggatatat acagattagg agatgtaaag gggcagagcc actgtgttgg 36420  
tttgattctt tcaataagca gacacaaaag gatgtattag agggaaaatt ggggaaggta 36480  
ggagagctct cacatcatga tgcaggcctg acccctgtaa agtagagagg gaagggagga 36540

agattgagca ggaaaagtca aagggatcag agtagtttta agaaactttt ggcaaagcct 36600  
 atgtgtatgc cctgagccaa agtcacatgg cagaggagtt tgagtctctc aaaaatgtag 36660  
 ctgcctcagt atccctgctg cgctcaatca ctgcctggga gcagcacatg ggaagcatgg 36720  
 cctcagccaa ctcagtctg gattcagaat acagcaatgg gtcccttggg caattatgct 36780  
  
 cctctcagtt gcagtactgc aaggcacatt ctctgtcta ccacagccat attgaatgat 36840  
 aaggacaaaa caggacatac agctaaaggc tgggaaggaa agcaggccct ggtcacagag 36900  
 aaagaaatga ggaataagag aaggaaactg gtagacaatg tgtctcccg ctgctactac 36960  
 cttggattga ttctccaga agaactgact gctgagaaag aaagaatgga gttgcatgtt 37020  
 ccctcaacac ttacggagtt ggggtagcca tgtaaggcag ccagcaagag tctggcatgg 37080  
 accaaagggg taaaagaagt gtgtttaaca tgttaggaa aaatatact ttccatccca 37140  
 tagctagaga acagggctgg tgagcagtc attccctgtg ctttgaagtc taggcttgac 37200  
  
 ttttgaatt ttcttctcat aggtgtttcc atttctaact tgtctctaag ccatctgttc 37260  
 aagatgctgc tgttcaaata attttctctg acagctgcca caacaacagg gagaatgatg 37320  
 agcatggctg agctgcaatt caggataggg gctctttttc tatagttgcc ctcagtgaca 37380  
 tggcaacagg caatttccag atctggtgaa ggtagtcgaa gtatgatgtc tggcttatta 37440  
 aaaagaatgt ctttcaattg atagcgcttc catttgttca gtttcttta acatgttaat 37500  
 taaggaggga aaagtgggag aaatgcttct taaaatgatg atacatgtga gattttgaac 37560  
 ttctgcatth tttattttaa gcactcttaa caaagcttga cactgacctg gagttttcag 37620  
  
 tataaaaagg aatgacttga tattctatca gctttggctt tcttctcatg tgtgtgtgta 37680  
 tgtgtgtatg tgtgtgtctt tctatactct cattccaag agacatgcaa tttagctgtt 37740  
 atgccactg tttatttgaa accaatttaa caggtaataa aggtgagagt atttacctt 37800  
 tcagtggact ttcatctact ttgtaagat tgaggagtgc agaaacgtat gcaaataaag 37860  
 ctatttagtc tttataact ctttgaaac tacaaaggta aaactaactt tctgttcttt 37920  
 acatttecta agttctttct actaatgtag gcctatgtaa gagatacaca ttttctcggg 37980  
 ttccaataa gctgttgttg ggctttcctt ttgtgtatgt gtgtagagaa gtagcaactt 38040  
  
 gcacttgta agaaatgaat gagaaaagag aacataatct ctaccaattt gaggttttga 38100  
 aactctttt ccaaccaatt tcttacctt ttggaggact atatctctca gtcagatata 38160  
 tgatatacag atgaactcac ttccattttt tttctttctc tctgattttt gacatgtgga 38220  
 gatggtttta gattcatttt caactaattt ttgattgacg aatatgtctt ttgtttaatg 38280  
 acatttctat ccattagaat cataggtaag tttctagctt tgtacttctt tcaaaagtga 38340  
 gagacactga gtcttgaaaa ataactaaca aaatataatt tctcaggggg aaaagctttt 38400

taaaaatgtt tgcttttcca ttttaattct atctctatta tcagcgaatg tggaaaacat 38460

tttattgtct aatttaatgt taaagttatt tttataacca atacatgtgg tgtttcacgt 38520

tattatttgt gtaagagttt agttagaata tagaaaattc taatttttaa gtagtgagaa 38580

cttttatgaa agaagaaaat tccaaagctc acacaaggaa aaatttcata tagctttttt 38640

tatatgttac atggcttctg taatctgaaa agttacaaat ctataataaa ataatatatt 38700

aaaatatcat attaatatta ttgtttttgt taatttcttt tgttttcattg ttttaagata 38760

gagcagtttt aggtgcatag caaaattgag gggagtggaa agagacttcc catatatcct 38820

tgtctccaca caagcatatc ctccccatt atcaacattc cttaccagtg taatacatct 38880

attacaattg atgaagcttg cattagccat tttcacactg ctgtaaagaa ctacctgaga 38940

ctgggtaatt tataagaaa agaggtttta ttgactcaca gttccacatg gccaaagagg 39000

cctcagaaaa cttacaatca tggcagaaga cgaaggggaa gcaagcacc ctttcacaag 39060

gtggcaggag tgagagagtg aggcgggaag tgccgcactt ttaactatc agatctcatg 39120

aaaattcact cactatcatg agaacagcat gggggaaatc cacctccatg atccaaacac 39180

ttcccaccag gttctgcccc tgccatgtgg ggattacaat ttgacaggag atttgagtgg 39240

ggacacagag ccaaaccata tcaaatcttc attgatacat gacaccaga gactatagtt 39300

tacattaggg ccactcttg attttgaana ttttatctat gggtttggtc aaaagtataa 39360

ttaaagtgtat ccattcattat attatcatac agagtatttt cactgcccta taaatccact 39420

atcctctgcc tattcatcct gtcttccac taaccctgg caaccaatga tgtttttgt 39480

gtctccatag ttttgcttt tccagaatat catgtaattc aaatcatata gtatgtagct 39540

ttttcagatt agcttttttc acttagcagt atgggttttag gtttctcca tgtcttttcg 39600

ttgcttggtg gctcatttct ttttagcact gagtctggag gtatcacagt ttatccattt 39660

acctattgaa ggacatgttt gttgtgcttg tttatacttt atcataaaca ttgttatctt 39720

tatcacaagc attaacaat ctctattaaa tccttataat atgcattggc ccataatatt 39780

catgtaatga acatactttt aatttaacaa ggaatccaga ttgttgattt tggaagttaa 39840

ttttaatta aaacattcat gttaatgtta ttctttttt gtctctttta gttttaattt 39900

tatcatggtg tttagcacta ggaatgttag taaaaaattt aagttagaag aagctacaga 39960

agcccagaaa cttaaacatg aaagaggctg atggcagaca gagatacata ctgctgggct 40020

tgccatatgc tctacaggtt tcttttactic cctgtcaaca aatactattt ttgttcttca 40080

ctttttatca acagaattga gggacataat aaagagttat aattatgttc gttatttaag 40140

atatttcttt tctttctggg ttctgcaaca gaggtaaaat accagtttaa aaatattgtg 40200  
 attctatttt cagaaaaaaa aaacacctct gtttgcattc gtagacaaag atctgttcag 40260  
 aatgggtggc tttgtgaggt aagtttatga agaactttca cttactatct tagtcattaa 40320  
 aattttttta acaggattat atatgatttt tgaatctaa aaggtttaca aattagtaat 40380  
 aaagataata atttttgtta tttttattaa tgttttttat ttcttattaa cattttaaca 40440  
 atatgatcat tataattatc ttataacca acactaaca acattaaata ttgttaacag 40500  
 tgccttttgg attaacgttt gtcctggcct ttaagaagtt ttaagggtgg tagaaaaatt 40560  
  
 gaaattcatt ttgaaaacat aaaaacttag ctatttttagc ttttaagcttg actattttga 40620  
 taacaaatgg ctctgagttc tgttacaaat gacctaaaag ttaaatatat cagaaatcac 40680  
 ttataagtag gggtgctatg tagtttacc tcaaatcagg acagtttttg agtgaagggg 40740  
 attgctatta atagttactc taggcaacag gcctcaaatg ggactgtccc aggcaaacca 40800  
 gaacatataa aaattatgac tctattaatc aactgaaaat aaaatactaa taaaacagat 40860  
 atagaaaagc ttatttaaaa tctattttga tgaatatagt ttaatataga attgttctga 40920  
 tgttaagttc agaacacttt tttaggtttc atgttaatat ttcaagggat acatgagaaa 40980  
  
 tgtgttatta gtctagtata ttgtgggtgg ccatttcaat gatctccagg gggtgcataa 41040  
 ttgagctacc caaagggcct cattatgagg ctgttttcta ttacctacc aaggacctga 41100  
 taccactgaa acaatgctc caatgtgata gtgggtataa ttttctatct aggaatgcac 41160  
 ttttagctta cctcctacag tgatctacta ttgtctatc agaactttgt tgatatagtt 41220  
 catctgtgta gaaattatct gcaatccatt taaacagagg gagagagaca aaggaggagg 41280  
 ttggggcaag gggtctgttt aagcttgaga taactctta agaaaaagat aatctattgt 41340  
 atttgaag gcatTTTTTA ctattattc tgctaagtaa tcctacttat catgtattta 41400  
  
 aaaagacaag gcaatttccc actgaatgtg gtaaaaaata aaaggctata aaaagaaaac 41460  
 aatttagtgt caagacatcc tactgtgttt gcttatgtgt ttgtaaatct gtctataata 41520  
 tcattgctta aaaaatagcc tactgtacca ggtacatgga aacctttcaa agctccatag 41580  
 acatatttta aagatagtaa ttgtcatttt ctatctggcc aactgctggg atccgattgg 41640  
 tcattacctt atttcagggg aagcttcaaa agctaatac aggtgttatc agctatgact 41700  
 tctaccgtct ctgcacagga aacttagcaa taaagcaaaa gctgtaaatt caggatttat 41760  
 tttttgtaag gatgtggctt atgcttgga gattaatgag gaattcctgg tctactgttt 41820  
  
 attaaagatc tcaccattct atagcatttt aattgtatag tcactctttg acatcctaac 41880  
 taatggttct tgctaaatta ataaaagcaa catattaagt ctaaaatcca gataaggtaa 41940  
 agattgccgt tttaatatcc catctatc ctttatcttt ctacaggggc ttacaggcca 42000

gtagttttta taacatgcat gaatgaagat gctctttttt aactcaaagtg gtggcaaaga 42060  
 gtttttcctt tatattagca ggcaatcaat tccaatagct ttttaatgct ttcttaaaga 42120  
 atcaatttta aagcagaagc tcttcagggg accctcttaa acttcttcac agccggtctc 42180  
 ctaattttct attacaatgc aatctaaagc agctacaaaa ataatgcaga taatgtttgc 42240  
  
 tgggtaatga tttccaattt cccatttcca tgtaccctgt tattagaagg atcatcttgg 42300  
 ttgtgtaaat taattttcaa ttcacttcag gggaacatta caatgattta ttcagccttg 42360  
 gtgttgaaga aagtgttggg aggatttcag caatctgaga aacaaaatca atttgttctg 42420  
 attatcacca tgttaaaggg gaaaaaagga taaaaacaaa agaactcactc aaatgtgtgt 42480  
 ctgtactgta gcatacacac tagcaccatg atttgatgct aggatgtcac tctgtaatac 42540  
 aaaaactgaa caaagaatg gtgtttggta atacatcgct acttggaaat taagtaatcg 42600  
 aatagccagg ttattctcc atatgatatt ttagttatat gcctttgagg caggataact 42660  
  
 gttcgtattt ccttggaga gaaaagtaac acagcagctt ataataaga aggaatagtt 42720  
 tccctaagca tagtataact agctagttag ttgattttt ttaaagttta aaacaggggc 42780  
 catgatatca atatatcata accatgagac atacaacatt ttttatcata atttatctca 42840  
 caaaagtttt tccagggctg tgtatgaact atggttttta taatattgta gaaaggtcat 42900  
 tctttgtaaa ggttttactg accttttact ttagtcagtt tgtaagtgtg ccagtcactt 42960  
 ggggtcaattt caatcgtgcc cagggtgtgaa tgcaaattgc caatatactt cacttctcca 43020  
 gatcacttac cattcagcaa atacttatga gcctctacac tgtgctgtgc actgtagtga 43080  
  
 gagctacaga gatgatgaaa aacaaaagca aatgctgtaa aatgattgct tacctgttgt 43140  
 aatgtatca aaacctctga agacagggtt catgatacta taaaggcata taatataatt 43200  
 atctaaccat gtcaggaaga ccagagtagg tttccaagg aggtgatggt tgagtctctg 43260  
 aaatctgaag gataggggtg aattaatcag gaaatgagag gaagggaaca ctgttctagg 43320  
 acaagaaaca ggatcagatt tgcattttga aaagaatacc ttgactgcat tgtggagaac 43380  
 aaactgcgga aaggcagaat gcatgcacag attcagacag gaggtgttgg ccatagccta 43440  
 gaaaaagatg aaacatgcta gggtagattt attattttt caagcctctg ccacccatct 43500  
  
 gtaggtgtgtg aggttgga ttcctttctt gattactctg tagctcaaga tgaaggcatg 43560  
 gatctgtgtg cactgaagtg aagtgggctt ttgactcca gaaactagc accctgcagaa 43620  
 taaaacaaaa taigcagact agtgggagtg aatttggaat actgactgag acgtgcaggg 43680  
 tcacggaaag acccagaagt gtgagattga ctattattt gaagtagtat gcagaaattt 43740  
 tcttgtttta atagattatt ttatttgata gcacaagctt tacttcggcc tggctttgct 43800  
 tctgagtgtg agccacctt ctctttccag tgagaagtgc tctagtgaag tgattaagta 43860

ctcacagtct atactcagct tagcacaaag ccaggttctc tccctgctct atgacttcct 43920

tccaccagct ctatgacttg ggaagttacc taatcctcga gttcagtttc ttcattgtga 43980

gggtaaggac gctcagtgcc cgcttcctag tgagcttggt aggagtagtt gagataatgc 44040

ttgagaagct caagcagaac ccctgctttg tactatgcag gctgcacacc tgtgcttgga 44100

ttaatccaca gttgttttga tcgagatgag caagcaggaa aaagatgttt tggcatcagc 44160

tgggtggtggc attgggtcag agttacagtc acaacagtgt caatctaggt caggaaggtt 44220

taaatgacac aggcttgga cttatatgcc actcaggata gatgagtcac agggatccag 44280

gaagcagggc agtggcaaag caagtttact gaagatcgtc agtaaggaac acagaattac 44340

tgtaggagag ctgactggca ctagaatcct cagggtcaaga tggagctctg tggcagtggt 44400

cactgagact gcagctgggt gtttctgttt actttgtaat ggctctctat aagacctgct 44460

ctcaggatac tcaactttgt ctgctcagac ctctcaagct ctcaggcctc cacagtactg 44520

cctgtagagc tcaagaaaa ggtggtacct aagcactgga tactggagtc tggactcatg 44580

tgcactgttc tctgtctaa gagctgggca aaggcctggg ccgtaaggat cctgtacaag 44640

tcccacctcc tccattatca aatgtaatct gacctgtga tatgattttc agcgtagat 44700

tatcctcaga gtaatacat caaagaagcc taaacgcagg aacattatit attatggaaa 44760

tgtagaaggt tgtcttctac attttagaa tgagtccaat gtagaaggaa gtctttttca 44820

taatcataaa gaggagttag gagtaggtta ggttatatat gaaattgaaa catgacctaa 44880

atggaaatta tatgaaaacc ccagattccc tctttagcat gatcaccatt attgttctct 44940

caacaatgcc aacttacatg aataattaat ctgtgtgtat gtatgtgact attaatgttg 45000

gctgttgaaa aaaaaaggaa gtttttttct agtgttttaa attttattaa tgttaaatgg 45060

tgtttgggca gatacagta ttgcatatit gaaaactgta tttgtaagag ttagtgtata 45120

gattttttta atgccagcaa tttttcccca tgcattccta gatccattat gaaggttgtc 45180

aaaggagaag aatccatcat gatttcaaag gaaatcaaag aacatgacaa gctacagtat 45240

taatctctg attctttttg agttttaaga ataaactgac agcttgagtt agaagtaatc 45300

atattttaat attctgtgtg tgtgggagac attacctcca ctacctaatt ctttcaaatc 45360

tataaaaaag tgaacctgt ctgctggttt actaatgtgt catgtgaaaa aggatatgtg 45420

gattgtcacc aaatttgtat tgtaagtttg gaatggcctg atgtaaaaat gtaagctgtg 45480

taggtatcat ctacaagatt cactaggagg gctctgaaga ctatgtcaaa gaaagaggta 45540

gccaccctcc agagaagctg aaaatgagga tggatatitit tcaactaaata tgaaagatat 45600

gtgggatacc atctgacttt aaaaaatcaa ctgtgacata cttgaaattc tttttgaggg 45660  
aacctgagga cacttaagag agagagagaa attcaacttt cagaggttga aaacagggtt 45720  
caaatcaagg cccaattgct gctgctcagt ggaaaagaac catcctatgt ttgaggtcac 45780  
gctgggtggt gaaaccaatc agtgccttta acaaatgatg ggagagatgc tcagaattcc 45840  
aggcactggt ttgacttgag ctgcttctta catgagtaac tctgtttctt actcaagtga 45900  
attgtagaat tatagcaagg agttttaaaa tatgtatctg tttttaaat ggaatcaggg 45960  
ttagtgaatt tcctaagtga agttaggaag tccagctaag aggtaacata aaaacctctt 46020

agaaatgaag catccaataa tcagaaataa taattgaaat tagtttttaa gaagatcagt 46080  
ctaatgaaga accaaatatt aaaggagggc atgaaagaga tgaaaataag caatatagag 46140  
tataagggca agtcctcctc cttcttttct cttttctaaa attcctcctt atctttatat 46200  
tccactacct tacaaactga atatataaat tggacaatgg aggataaaat tcagaataaa 46260  
gatctaacia gtgtagttaa tgaatagatt tatctgaagc tggatgttta gtcattttaa 46320  
acaagtgcta aatctacttc tgaatttcaa cacaacaaa ataaagtatg atgaggtttt 46380  
gattcatatt gtgtcaaaag aaaaaacttt ttcttgccac tgcatactaa aatattttat 46440

tatgcgatgt ccaataacca caaatacaac aataattaaa acattacaca acatctatta 46500  
tgttaatact tccattaatt ctgtttataa ttcagttaat aattctgagt tctctttcta 46560  
aaccacactt agaatgaact tcatacttaa taccattact aacattcctg aacacatctt 46620  
ttgctgttgt gtctcactta ttgccttaag catgctaaat ttgcactttt tgttatttac 46680  
atacatatat atatttatat ataaccttca caacaatcct atgaggtgaag taatattact 46740  
aaccacactt aaagatgaaa gtattgaagc atagaggaat taagcaattt gcccaaagcc 46800  
acccaattaa aaagggggaa ccaggatttg agtacaacc atctcacttt agtcagtgtt 46860

cttaactatt atgctacact gcctatgtat acatctaaaa tgtatagcgt atgtatataa 46920  
atgtgtgtat ctgtatatgt ctctctatat agatatacac atgaaatc taataacca 46980  
ataatcttgg atcatctgtt gtcaacttag catccacaa cccctttcca agattatttc 47040  
tgactgttag agaagaagcc aggtatcata ttcccagaa tctcttttc cgtgttgctt 47100  
cagtttacag ctggccgatg agaggtgctg catgatattg gaagatggga cagaaggaac 47160  
cagtattctg cagaggcagt tgcagagca gatatgaaat gtctggagg ctccccagt 47220  
aagctgagaa gcacctgctt tcccactata gactgagacc actgatggaa gcttcccaga 47280

gatttgagaa ttgcagaagc ttctgtgagc tatgaagaac aacgtgactt tgaccttcag 47340  
actgagatat agctggagge tgctttgacc ttctttccca cagctctttt gacctttcta 47400  
aagcccaaaa ccctatctta aaaatgacaa atatggaatg caaagagcag cttttctttt 47460

tctgatcatg gccttaatgt aatacaatag tgaaccgtc tagcatagtg attaagaaca 47520  
 ttggctgtag aattagacat atttagttta gcattttgat tctaccccaa actggcaaag 47580  
 ttactgaatg tatctaaatt ttaatttgct catttgtaaa atatggctaa taatagta 47638