

SEQUENCE LISTING

<110> Thirion, Christian
 Koszinowski, Ulrich
 Mohr, Christian A
 Ruzsics, Zsolt

<120> Vaccine against beta-herpesvirus infection and use thereof

<130> SP101807SGB

<150> EP10004751.3
 <151> 2010-05-05

<150> EP10005045.9
 <151> 2010-05-12

<160> 35

<170> PatentIn version 3.3

<210> 1
 <211> 57
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic

<220>
 <221> misc_feature
 <223> DNA

<400> 1
 gtgggatcca ccatgtaccc ctacgacgtg cccgactacg ccacgtccag actatcc 57

<210> 2
 <211> 34
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<220>
 <221> misc_feature
 <223> DNA

<400> 2
 actctagagt cgacttcaca tgtgctcgag aaca 34

<210> 3
 <211> 71
 <212> DNA
 <213> Artificial

```

<220>
<223> Synthetic

<220>
<221> misc_feature
<223> DNA

<400> 3
aattcatgat aacttcgtat agcatacatt atacgaagtt atccggagat atccaccggt 60
ctggcggccg c 71

<210> 4
<211> 71
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> misc_feature
<223> DNA

<400> 4
tcgagcggcc gccagaccgg tggatatctc cggataactt cgtataatgt atgctatacg 60
aagttatcat g 71

<210> 5
<211> 68
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> misc_feature
<223> DNA

<400> 5
cgtggtcaag ccggtcgtgt tgtaccagaa ctcgacttcg gtcgcgttgc ttacaattta 60
cgcgcggg 68

<210> 6
<211> 69
<212> DNA
<213> Artificial

<220>
<223> Synthetic

```


<220>
 <221> misc_feature
 <223> DNA

<400> 6
 ccccgatatt tgagaaagtg taccgccgata ttcagttacct cttgactaag aagccataga 60
 gccacaccgc 69

<210> 7
 <211> 112
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<220>
 <221> misc_feature
 <223> DNA

<400> 7
 tgcttcccgg cggcttctgc gcgaccttcc agctgcaggt agaccacggc gacgtccaga 60
 ctatccgtga aaagtttgag aagcatcagt agccgatttc ggcctattgg tt 112

<210> 8
 <211> 77
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<220>
 <221> misc_feature
 <223> DNA

<400> 8
 catggatggg ttggttgatt tgtatgtctg ttggctactc acatgtgctc gagaagccag 60
 tgtgatggat gatcctc 77

<210> 9
 <211> 8
 <212> PRT
 <213> Artificial

<220>
 <223> synthetic

<220>
 <221> PEPTIDE

<222> (1)..(8)

<400> 9

Ser Ile Ile Asn Phe Glu Lys Leu
1 5

<210> 10

<211> 8

<212> PRT

<213> Artificial

<220>

<223> synthetic

<220>

<221> PEPTIDE

<222> (1)..(8)

<400> 10

Thr Val Tyr Gly Phe Cys Leu Leu
1 5

<210> 11

<211> 8

<212> PRT

<213> artificial

<220>

<223> synthetic

<220>

<221> PEPTIDE

<222> (1)..(8)

<400> 11

Arg Ala Leu Glu Tyr Lys Asn Leu
1 5

<210> 12

<211> 9

<212> PRT

<213> artificial

<220>

<223> synthetic

<220>

<221> PEPTIDE

<222> (1)..(9)

<400> 12

Ser Cys Leu Glu Phe Trp Gln Arg Val
1 5

<210> 13
<211> 9
<212> PRT
<213> artificial

<220>
<223> synthetic

<220>
<221> PEPTIDE
<222> (1)..(9)

<400> 13

His Gly Ile Arg Asn Ala Ser Phe Ile
1 5

<210> 14
<211> 25
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> misc_feature
<223> DNA

<400> 14
aacgtacatc gctctctgct ggccg 25

<210> 15
<211> 940
<212> DNA
<213> artificial

<220>
<223> synthetic

<400> 15
ttactgggtg ctgccgggcg gctttgccgt ctcttcgcgc gtcactcttc acggcctggc 60
ccagcgagcc ctgcgggacc ggttcacaaa cttcgaggcc gtgctggccc ggggcatgca 120
cgtggaggcc ggccggcagg agcccagac cccccgggtg agcggccggc ggctgccctt 180
cgacgacctg tgatccggag gacgacggct cgtgtatctt gtgccaattg ctgttgctct 240
accgcgacgg cgaatggatc ctctgtcttt gctgcaacgg ccgttatcaa ggccactatg 300

gcgggggtctg acagttcacg gggagaagaa acaagaaaca acaaaaaaaaa aagaggagat 360
ctgcggccgc tagggataac agggtaatcg atgttgacaa ttaatcatcg gcatagtata 420
tcggcatagt ataatacgac aaggtgagga actaaaccat ggcaaaaactg accagcgcag 480
ttccggttct gaccgcacgt gatgttgccg gtgccgttga attttgacc gatcgtctgg 540
gttttagccg tgattttgtg gaagatgatt ttgccggtgt tgttcgtgat gatgttacct 600
tgtttattag cgcagttcag gatcagggtt ttccggataa taccctggca tgggtttggg 660
ttcgtggtct ggatgaactg tatgcagaat ggtcagaagt tgtgagcacc aattttcgtg 720
atgcaagcgg tccggcaatg accgaaattg gtgaacagcc gtgggggtcgt gaatttgcac 780
tgcgtgatcc ggcaggtaat tgtgttcatt ttgttgaga agaacaggat taacctcgat 840
taattaattg taacattacc ctgttatccc taccggtgtc ctaggcgggg tctgacagtt 900
cacggggaga agaaacaaga aacaacaaaa aaaaaagagg 940

<210> 16
<211> 719
<212> DNA
<213> artificial

<220>
<223> synthetic

<400> 16
cgtgttagac cggttgagtc gcgacctgtc ccgcaagacg aacctaccga tctgggtcgc 60
caacagcgcc aacgagtacg tcgtcagctc cgtgccccgc cccgtcagtc cgtagaagta 120
actcataaac tttcaggtct cgcgtacgat tcgagagtcg ggaatgtagg gataacaggg 180
taatcgatgt tgacaattaa tcatcggcat agtatatcgg catagtataa tacgacaagg 240
tgaggaacta aaccatggca aaactgacca ggcagttcc ggttctgacc gcacgtgatg 300
ttgccggtgc cggtgaattt tggaccgatc gtctgggttt tagccgtgat tttgtggaag 360
atgattttgc cggtgttggt cgtgatgatg ttaccctgtt tattagcgca gttcaggatc 420
aggttgttcc ggataatacc ctggcatggg tttgggttcg tggctctggat gaactgtatg 480
cagaatggtc agaagttgtg agcaccaatt ttcgtgatgc aagcgggtccg gcaatgaccg 540
aaattggtga acagccgtgg ggtcgtgaat ttgactgcg tgatccggca ggtaattgtg 600
ttcattttgt tgcagaagaa caggattaac ctcgattaat taattgtaac attaccctgt 660
tatccctaaa gtaactcata aactttcagg tctcgcgtac gattcgcgag tcgggaatg 719

<210> 17
<211> 9048
<212> DNA

<213> artificial

<220>

<223> synthetic

<400> 17

actagtcggg gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg	60
taaatggccc gcctggctga ccgccaacg acccccgccc attgacgtca ataatgacgt	120
atgttcccat agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac	180
ggtaaaactgc ccacttgga gtacatcaag tgtatcatat gccaaagtacg cccctattg	240
acgtcaatga cggtaaatgg cccgcctggc attatgccca gtacatgacc ttatgggact	300
ttcctacttg gcagtacatc tacgtattag tcatcgctat taccatgggtg atgcggtttt	360
ggcagtacat caatgggcgt ggatagcggg ttgactcacg gggatttcca agtctccacc	420
ccattgacgt caatgggagt ttgttttggc accaaaatca acgggacttt ccaaaatgtc	480
gtaacaactc cgccccattg acgcaaattg gcggtaggcg tgtacgggtg gaggtctata	540
taagcagagc tggtttagtg aaccgggtct ctctgggttag accagatttg agcctgggag	600
ctctctggct aactagggaa cccactgctt aagcctcaat aaagcttgcc ttgagtgtt	660
caagtagtgt gtgccgtct gttgtgtgac tctggtaact agagatccct cagaccctt	720
tagtcagtgt ggaaaatctc tagcagtggc gcccgaaacg ggacctgaaa gcgaaaggga	780
aaccagagga gctctctcga cgcaggactc ggcttgctga agcgcgcacg gcaagaggcg	840
aggggcggcg actgcagagt acgccaaaaa ttttgactag cggaggctag aaggagagag	900
atgggtgcga gagcgtcagt attaagcggg ggaaaatagc ggccgccaca attttaaaag	960
aaaagggggg attggggggg acagtgcagg ggaaagaata gtagacataa tagcaacaga	1020
catacaaact aaagaattac aaaaacaaat tacaaaaatt caaattttcg ggggatccca	1080
tgggtggcct cctatagtga gtcgtattat actatgccga tatactatgc cgatgattaa	1140
ttgtcaacac gtgctgcagg tccgaggttc tagcgcgtgg cctccgcgcc gggttttggc	1200
gcctcccgcg ggcgcccccc tcctcacggc gagcgtgcc acgtcagacg aagggcgcag	1260
cgagcgtcct gatccttccg cccggacgct caggacagcg gcccgctgct cataagactc	1320
ggccttagaa cccagtatc agcagaagga catttttagga cgggacttgg gtgactctag	1380
ggcactgggt ttctttccag agagcggaac aggcgaggaa aagtagtccc ttctcggcga	1440
ttctgcggag ggatctccgt ggggcgggtga acgccgatga ttatataagg acgcgccggg	1500
tgtggcacag ctagttccgt cgcagccggg atttgggtcg cggttcttgt ttgtggatcg	1560
ctgtgatcgt cacttgggtga gtagcgggct gctgggctgg ccggggcttt cgtggccgcc	1620

gggccgctcg	gtgggacgga	agcgtgtgga	gagaccgcca	agggctgtag	tctgggtccg	1680
cgagcaaggt	tgccctgaac	tgggggttgg	ggggagcgca	gcaaaatggc	ggctgttccc	1740
gagtcttgaa	tggaagacgc	ttgtgaggcg	ggctgtgagg	tcgttgaaac	aaggtggggg	1800
gcatggtggg	cggcaagaac	ccaaggtctt	gaggccttcg	ctaatgcggg	aaagctctta	1860
ttcgggtgag	atgggctggg	gcaccatctg	gggaccctga	cgtgaagttt	gtcactgact	1920
ggagaactcg	gtttgtcgtc	tgttgcgggg	gcggcagtta	tggcggtgcc	gttgggcagt	1980
gcacccgtac	ctttgggagc	gcgcgccctc	gtcgtgtcgt	gacgtcaccc	gttctgttgg	2040
cttataatgc	aggggtggggc	cacctgccgg	taggtgtgcg	gtaggctttt	ctccgtcgca	2100
ggacgcaggg	ttcgggccta	gggtaggctc	tcctgaatcg	acaggcgccg	gacctctggt	2160
gaggggaggg	ataagtgagg	cgtcagtttc	tttggtcggg	tttatgtacc	tatcttctta	2220
agtagctgaa	gctccggttt	tgaactatgc	gctcgggggt	ggcgagtgtg	ttttgtgaag	2280
tttttttaggc	accttttgaa	atgtaatcat	ttgggtcaat	atgtaatttt	cagtgttaga	2340
ctagtaaatt	gtccgctaaa	ttctggccgt	ttttggcttt	tttgtttagac	gctagcctag	2400
cggatccgaa	ttctgcagat	atcaacaagt	ttgtacaaaa	aagcaggcct	aatggcttgg	2460
cgcagcgggc	tttgcgagac	cgattccaga	actttgaagc	agttcttgca	agaggaatgc	2520
atgtggaagc	tggtcggcaa	gagccggaaa	caccgcgagt	atcgggccgt	cgcttgccgt	2580
tcgacgatct	ttagtccgga	ggacgacggc	tcgtgtatct	tgtgccaatt	gctgttgctc	2640
taccgcgacg	gcgaatggat	cctctgtctt	tgctgcaacg	gccgttatca	aggccactat	2700
ggcgtggggc	acgtacatcg	gcgtcgtcga	cgcactctgtc	atttacctac	cttgtagccaa	2760
ctgagcttcg	gaggtccttt	gggtccagcc	agcattgatt	tcttgccaag	cttagccag	2820
gtgaccagca	gtatgacgtg	cgatggtatt	acgcccagcg	tgattttacga	ggtctgcatg	2880
ttggtgcccc	aggatgaagc	caagcgcata	ctggtcaagg	gtcacgggtgc	catggacctg	2940
acctgtcaga	aggcagtgac	gctaggcggc	gccggcgcct	ggttgctgcc	gcgtcccga	3000
ggctacacgc	ttttctttta	cattctgtgc	tacgacctgt	ttacctcatg	cggcaatcgg	3060
tgcgatatcc	cttccatgac	gcggctcatg	gcggcgcca	cggcctgcgg	gcaggcgggt	3120
tgcagctttt	gcacggatca	cgagggacat	gtagatccca	ctggcaatta	cgtgggttgc	3180
acccccgata	tgggcccgtg	tctttgttac	gtgccctgtg	ggcccatgac	gcagtcgctc	3240
atccacaacg	atgaaccgcg	gacttttttc	tgtgagagcg	atgacgcaa	atacctatgc	3300
gccgtaggtt	ctaagaccgc	ggcgcaggtc	acactgggag	acggcctgga	ttatcacatc	3360
ggtgtcaagg	attctgaggg	ccgatggttg	cccgtcaaga	ccgatgtgtg	ggacctggtc	3420

aaggtagagg	aacctgtgtc	acgtatgata	gtgtgttcct	gtccggtgct	taagaaccta	3480
gtgcactaaa	cccagctttc	ttgtacaaag	tggttgatat	ccagcacagt	ggcggccgct	3540
cgagtctaga	gggcccgcgg	ttcgaaggta	agcctatccc	taaccctctc	ctcgggtctcg	3600
attctacgcg	ccgcggccgc	tacgtaaatt	ccgcccctct	ccctaacgtt	actggccgaa	3660
gccgcttgga	ataaggccgg	tgtgcgtttg	tctatatgtt	atthttccacc	atattgccgt	3720
cttttgga	tgtgagggcc	cggaaacctg	gccctgtctt	cttgacgagc	attcctaggg	3780
gtctttcccc	tctcgccaaa	ggaatgcaag	gtctgttgaa	tgtcgtgaag	gaagcagttc	3840
ctctggaagc	ttcttgaaga	caaacaacgt	ctgtagcgac	cctttgcagg	cagcggaacc	3900
ccccacctgg	cgacagggtgc	ctctgcggcc	aaaagccacg	tgtataagat	acacctgcaa	3960
aggcggcaca	acccagtgct	cacgttgtga	gttgatagat	tgtggaaaga	gtcaaattggc	4020
tctcctcaag	cgtattcaac	aaggggctga	aggatgccca	gaaggtagcc	cattgtatgg	4080
gatctgatct	ggggcctcgg	tgcacatgct	ttacatgtgt	ttagtcgagg	ttaaaaaacg	4140
tctaggcccc	ccgaaccacg	gggacgtggg	tttcctttga	aaaacacgat	gataatatgg	4200
ccacaacat	gaccgagtac	aagcccacgg	tgcgccctcg	cacccgcgac	gacgtcccc	4260
gggccgtacg	ggatcccgcc	accatgggtga	gcaagggcga	ggaggataac	atggccatca	4320
tcaaggagtt	catgcgcttc	aaggtgcaca	tggagggctc	cgtgaacggc	cacgagttcg	4380
agatcgaggg	cgagggcgag	ggccgcccct	acgagggcac	ccagaccgcc	aagctgaagg	4440
tgaccaaggg	tggccccctg	cccttcgcct	gggacatcct	gtccccctcag	ttcatgtacg	4500
gctccaaggg	ctacgtgaag	caccccgccg	acatccccga	ctacttgaag	ctgtccttcc	4560
ccgagggctt	caagtgggag	cgcgatgatga	acttcgagga	cggcggcgtg	gtgaccgtga	4620
cccaggactc	ctccctgcag	gacggcgagt	tcatctacaa	gggtgaagctg	cgcggcacca	4680
acttcccctc	cgacggcccc	gtaatgcaga	agaagaccat	gggctgggag	gcctcctccg	4740
agcggatgta	ccccgaggac	ggcgccctga	aggcgagat	caagcagagg	ctgaagctga	4800
aggacggcgg	ccactacgac	gctgaggtca	agaccaccta	caaggccaag	aagcccgtgc	4860
agctgcccgg	cgctacaa	gtcaacatca	agttggacat	cacctccac	aacgaggact	4920
acaccatcgt	ggaacagtac	gaacgcgccg	agggccgcca	ctccaccggc	ggcatggacg	4980
agctgtacaa	gtaagtcgac	ccggaccgcc	acatcgagcg	ggtcaccgag	ctgcaagaac	5040
tcttcctcac	gcgcgtcggg	ctcgacatcg	gcaaggtgtg	ggtcgcggac	gacggcgccg	5100
cgggtggcgg	ctggaccacg	ccggagagcg	tcgaagcggg	ggcgggtgtt	gccgagatcg	5160
gctcgcgcat	ggccgagttg	agcggttccc	ggctggccgc	gcagcaacag	atggaaggcc	5220

tcctggcgcc	gcaccggccc	aaggagcccc	cgtgggttcct	ggccaccgtc	ggcgtctcgc	5280
ccgaccacca	gggcaagggt	ctgggcagcg	ccgtcgtgct	ccccggagtg	gaggcgggccg	5340
agcgcgctgg	ggtgcccgcc	ttcctggaga	cctccgcgcc	cgcgaacctc	cccttctacg	5400
agcggctcgg	cttcaccgtc	accgccgacg	tcgaggtgcc	cgaaggaccg	cgcacctggt	5460
gcatgaccgc	caagcccggg	gcctgagttc	gcgtctggaa	caatcaacct	ctggactcga	5520
caatcaacct	ctggattaca	aaatttgtga	aagattgact	ggtattctta	actatgttgc	5580
tccttttacg	ctatgtggat	acgctgcttt	aatgcctttg	tatcatgcta	ttgcttcccg	5640
tatggctttc	attttctcct	ccttgataaa	atcctgggtg	ctgtctcttt	atgaggagtt	5700
gtggcccgtt	gtcaggcaac	gtggcgtggt	gtgactgtg	tttgctgacg	caacccccac	5760
tggttggggc	attgccacca	cctgtcagct	cctttccggg	actttcgctt	tccccctccc	5820
tattgccacg	gcggaactca	tcgccgcctg	ccttgccgcg	tgctggacag	gggctcggct	5880
gttgggcact	gacaattccg	tggtgttggt	ggggaaatca	tcgtcctttc	ccttggtgct	5940
cgctgtgtt	gccacctgga	ttctgcgcgg	gacgtccttc	tgctacgtcc	cctcgccctt	6000
caatccagcg	gaccttcctt	cccgccgcct	gctgccgggt	ctgcggcctc	ttccgcgtct	6060
tcgccttcgc	cctcagacga	gtcggatctc	cctttggggc	gcctccccgc	ttagtactgg	6120
tacctttaag	accaatgact	tacaaggcag	ctgtagatct	tagccacttt	ttaaaagaaa	6180
aggggggact	ggaagggtta	attcactccc	aacgaagaca	agattccgga	atttatttgt	6240
gaaatttgtg	atgctattgc	tttatttgta	aaccggtgca	gctgcttttt	gcctgtactg	6300
ggtctctctg	gttagaccag	atctgagcct	gggagctctc	tggttaacta	gggaaccac	6360
tgcttaagcc	tcaataaagc	ttgccttgag	tgcttcaagt	agtgtgtgcc	cgtctgttgt	6420
gtgactctgg	taactagaga	tcctcagac	ccttttagtc	agtgtggaaa	atctctagca	6480
tctagagtat	gcaaagcatg	catctcaatt	agtcagcaac	cagggtgtga	aagtccccag	6540
gctccccagc	aggcagaagt	atgcaaagca	tgcatctcaa	ttagtcagca	accatagtcc	6600
cgcctctaac	tccgcccata	ccgcccctaa	ctccgcccag	ttccgcccac	tctccgcccc	6660
atggctgact	aatttttttt	atttatgcag	aggccgaggc	cgctcgggcc	tctgagctat	6720
tccagaagta	gtgaggaggc	ttttttggag	gcctaggcta	gagatcataa	tcagccatac	6780
cacatttgta	gaggttttac	ttgctttaaa	aaacctccca	cacctcccc	tgaacctgaa	6840
acataaaatg	aatgcaattg	ttgttggtta	cttggtttatt	gcagcttata	atggttacaa	6900
ataaagcaat	agcatcacia	atttcacaaa	taaagcattt	ttttcactgc	attctagtgt	6960
tggtttgtcc	aaactcatca	atgtatctta	tcatgtctgc	tagccggggt	tttttttctt	7020

aggccttctt	ccgcttcctc	gctcactgac	tcgctgcgct	cggtcggttcg	gctgcggcga	7080
gcggtatcag	ctcactcaaa	ggcggtaata	cggttatcca	cagaatcagg	ggataacgca	7140
ggaaagaaca	tgtgagcaaa	aggccagcaa	aaggccagga	accgtaaaaa	ggccgcgttg	7200
ctggcgtttt	tccataggct	ccgccccct	gacgagcatc	acaaaaatcg	acgctcaagt	7260
cagaggtggc	gaaacccgac	aggactataa	agataccagg	cgtttcccc	tggaagctcc	7320
ctcgtgcgct	ctcctgttcc	gaccctgccg	cttaccggat	acctgtccgc	ctttctccct	7380
tcgggaagcg	tggcgctttc	tcatagctca	cgctgtaggt	atctcagttc	ggtgtaggtc	7440
gttcgctcca	agctgggctg	tgtgcacgaa	cccccgttc	agcccgaccg	ctgcgcctta	7500
tccggtaaact	atcgtcttga	gtccaacccg	gtaagacacg	acttatcgcc	actggcagca	7560
gccactggta	acaggattag	cagagcgagg	tatgtaggcg	gtgctacaga	gttcttgaag	7620
tggtggccta	actacggcta	cactagaaga	acagtatttg	gtatctgcgc	tctgctgaag	7680
ccagttacct	tcggaaaaag	agttggtagc	tcttgatccg	gcaaaacaaac	caccgctggt	7740
agcggtggtt	tttttgtttg	caagcagcag	attacgcgca	gaaaaaaagg	atctcaagaa	7800
gatcctttga	tcttttctac	ggggtctgac	gctcagtggg	acgaaaactc	acgttaaggg	7860
attttggtca	tgagattatc	aaaaaggatc	ttcacctaga	tcctttttaa	ttaaaaatga	7920
agttttaaat	caatctaaag	tatatatgag	taaacttggg	ctgacagtta	ccaatgctta	7980
atcagtgagg	cacctatctc	agcgatctgt	ctatttcggt	catccatagt	tgcttgactc	8040
ctgcgcagtc	caaaaaaaaa	ggctccaaaa	ggagccttta	attgtatcgg	tgggccctta	8100
gaaaaactca	tcgagcatca	aatgaaactg	caatttattc	atatcaggat	tatcaatacc	8160
atatttttga	aaaagccggt	tctgtaatga	aggagaaaac	tcaccgaggc	agttccatag	8220
gatggcaaga	tcctgggtatc	ggtctgcgat	tccgactcgt	ccaacatcaa	tacaacctat	8280
taatttcccc	tcgtcaaaaa	taaggttatc	aagtgagaaa	tcaccatgag	tgacgactga	8340
atccggtgag	aatggcaaaa	gcttatgcat	ttctttccag	acttggtcaa	caggccagcc	8400
attacgctcg	tcatcaaaat	cactcgcac	aaccaaacg	ttattcattc	gtgattgcgc	8460
ctgagcgaga	cgaaatacgc	gatcgtgtgt	aaaaggacaa	ttacaaacag	gaatcgaatg	8520
caaccggcgc	aggaacactg	ccagcgcac	aacaatattt	tcacctgaat	caggatattc	8580
ttctaatacc	tggaatgctg	ttttcccggg	gatcgcagtg	gtgagtaacc	atgcatcatc	8640
aggagtacgg	ataaaatgct	tgatgggtcg	aagaggcata	aattccgtca	gccagtttag	8700
tctgaccatc	tcattctgtaa	catcattggc	aacgctacct	ttgccatgtt	tcagaaacaa	8760
ctctggcgca	tcgggcttcc	catacaatcg	atagattgtc	gcacctgatt	gcccgcacatt	8820

atcgcgagcc	catttataacc	catataaate	agcatccatg	ttggaattta	atcgcggcct	8880
cgagcaagac	gtttcccgtt	gaatatggct	cataacaccc	cttgatttac	tgtttatgta	8940
agcagacagt	tttattgttc	atgatgatat	atttttatct	tgtgcaatgt	aacatcagag	9000
attttgagac	acaacgtggt	ttaaacaat	agtcaaaagc	ctccggcg		9048

<210> 18
 <211> 8455
 <212> DNA
 <213> artificial

<220>
 <223> synthetic

<400> 18	
actagtcggg	gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg 60
taaatggccc	gcctggctga ccgccaacg acccccgccc attgacgtca ataatacgt 120
atgttcccat	agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac 180
ggtaaaactgc	ccacttggca gtacatcaag tgtatcatat gccaaagtacg cccctatttg 240
acgtcaatga	cggtaaatgg ccgcctggc attatgccca gtacatgacc ttatgggact 300
ttcctacttg	gcagtacatc tacgtattag tcatcgctat taccatgggt atgcgggtttt 360
ggcagtacat	caatgggctg ggatagcggg ttgactcacg gggatttcca agtctccacc 420
ccattgacgt	caatgggagt ttgttttggc accaaaatca acgggacttt ccaaaatgtc 480
gtaacaactc	cgccccattg acgcaaatgg gcggtaggcg tgtacgggtg gaggtctata 540
taagcagagc	tggttttagtg aaccgggtct ctctgggttag accagatttg agcctgggag 600
ctctctggct	aactagggaa cccactgctt aagcctcaat aaagcttgcc ttgagtgtctt 660
caagtagtgt	gtgcccgtct gttgtgtgac tctggtaact agagatccct cagacccttt 720
tagtcagtgt	ggaaaatctc tagcagtggc gccgaacag ggacctgaaa gcgaaagggg 780
aaccagagga	gctctctcga cgcaggactc ggcttgctga agcgcgcacg gcaagaggcg 840
agggcgggcg	actgcagagt acgcaaaaaa ttttgactag cggaggctag aaggagagag 900
atgggtgcga	gagcgtcagt attaagcggg ggaaaatagc ggccgccaca attttaaaag 960
aaaagggggg	attggggggg acagtgcagg ggaaagaata gtagacataa tagcaacaga 1020
catacaaact	aaagaattac aaaaacaaat tacaaaaatt caaattttcg ggggatccca 1080
tggtggccct	cctatagtga gtcgtattat actatgccga tatactatgc cgatgattaa 1140
ttgtcaacac	gtgctgcagg tccgaggttc tagcgcgtgg cctccgcgcc gggttttggc 1200
gcctcccgcg	ggcgcccccc tcctcacggc gagcgtgcc acgtcagacg aaggcgcgag 1260

cgagcgtcct	gacccctccg	cccggacgct	caggacagcg	gcccgtgct	cataagactc	1320
ggccttagaa	ccccagtatc	agcagaagga	catttttagga	cgggacttgg	gtgactctag	1380
ggcactgggt	ttctttccag	agagcggaac	aggcgaggaa	aagtagtccc	ttctcggcga	1440
ttctgcggag	ggatctccgt	ggggcgggtga	acgccgatga	ttatataagg	acgcgccggg	1500
tgtggcacag	ctagtctccgt	cgcagccggg	atttggtcg	cggttcttgt	ttgtggatcg	1560
ctgtgatcgt	cacttggtga	gtagcgggct	gctgggctgg	ccggggcttt	cgtggccgcc	1620
gggccgctcg	gtgggacgga	agcgtgtgga	gagaccgcca	agggctgtag	tctgggtccg	1680
cgagcaaggt	tgccctgaac	tgggggttgg	ggggagcgca	gcaaaatggc	ggctgttccc	1740
gagtcttgaa	tggaagacgc	ttgtgaggcg	ggctgtgagg	tcgttgaaac	aaggtggggg	1800
gcatggtggg	cggcaagaac	ccaaggtctt	gaggccttcg	ctaatgcggg	aaagctctta	1860
ttcgggtgag	atgggctggg	gcaccatctg	gggaccctga	cgtgaagttt	gtcactgact	1920
ggagaactcg	gtttgtcgtc	tgttgcgggg	gcggcagtta	tggcggtgcc	gttgggcagt	1980
gcacccttac	ctttgggagc	gcgcgccttc	gtcgtgtcgt	gacgtcacc	gttctgttgg	2040
cttataatgc	aggggtgggg	cacctgccgg	taggtgtgcg	gtaggctttt	ctccgtcgca	2100
ggacgcaggg	ttcgggccta	gggtaggctc	tcctgaatcg	acaggcgccg	gacctctggt	2160
gaggggaggg	ataagtgagg	cgtcagtttc	tttggtcgg	tttatgtacc	tatcttctta	2220
agtagctgaa	gctccggttt	tgaactatgc	gctcgggggt	ggcgagtgtg	ttttgtgaag	2280
tttttttaggc	accttttgaa	atgtaatcat	ttgggtcaat	atgtaatttt	cagtgttaga	2340
ctagtaaatt	gtccgctaaa	ttctggccgt	ttttggcttt	tttgtttagac	gctagcctag	2400
cggatccgaa	ttctcactat	aggagacccc	aagcttggtg	ccgagctcgg	atccaccatg	2460
ggtggcgaac	tctgcaaacg	aatatgttgt	gagttcggta	ccacgtccgg	tgagcccctg	2520
aaagatgctc	tgggtcgcca	ggtgtctcta	cgctcctacg	acaacatccc	tccgacttcc	2580
tcctcggacg	aaggggagga	cgatgacgac	ggggaggatg	acgataacga	ggagcggcaa	2640
cagaagctgc	ggctctgcgg	tagtggctgc	gggggaaacg	acagtagtag	cggcagccac	2700
cgcgaggcca	cccacgacgg	ccccaagaaa	aacgcggtgc	gctcgacgtt	tcgcgaggac	2760
aaggctccga	aaccgagcaa	gcagtcaaaa	aagaaaaaga	aaccctcaaa	acatcaccac	2820
catcagcaaa	gctccattat	gcaggagacg	gacgacttag	acgaagaaga	cacctcaatt	2880
tacctgtccc	cgcccccggt	ccccccgctc	caggtggtgg	ctaagcgact	gccgcggccc	2940
gacacacca	ggactccgcg	ccaaaagaag	atttcacaac	gtccaccac	ccccgggaca	3000
aaaaagcccg	ccgccccctt	gtccttttaa	agtcgactct	agagggccct	attctatagt	3060

gtcacctaaa tgctagagct cgctgatcag acgcgccgcg gccgctacgt aaattccgcc	3120
cctctcccta acgttactgg ccgaagccgc ttggaataag gccggtgtgc gtttgtctat	3180
atgttatatt ccaccatatt gccgtctttt ggcaatgtga gggcccggaa acctggccct	3240
gtcttcttga cgagcattcc taggggtctt tcccctctcg ccaaaggaat gcaaggtctg	3300
ttgaatgtcg tgaaggaagc agttcctctg gaagcttctt gaagacaaac aacgtctgta	3360
gcgacccttt gcaggcagcg gaacccccca cctggcgaca ggtgcctctg cggccaaaag	3420
ccacgtgtat aagatacacc tgcaaaggcg gcacaacccc agtgccacgt tgtgagttgg	3480
atagttgtgg aaagagtcaa atggctctcc tcaagcgtat tcaacaaggg gctgaaggat	3540
gcccagaagg taccocattg tatgggatct gatctggggc ctcggtgcac atgctttaca	3600
tgtgttttagt cgagggtaaa aaacgtctag gcccccgaa ccacggggac gtggttttcc	3660
tttgaaaaac acgatgataa tatggtgagc aaggcgagc agctgttcac cggggtggtg	3720
cccatcctgg tcgagctgga cggcgacgta aacggccaca agttcagcgt gtccggcgag	3780
ggcgagggcg atgccaccta cggcaagctg accctgaagt tcctctgcac caccggcaag	3840
ctgcccgtgc cctggccac cctcgtgacc accctgacct acggcgtgca gtgcttcagc	3900
cgctaccccg accacatgaa gcagcacgac ttcttcaagt ccgcatgcc cgaaggctac	3960
gtccaggagc gcaccatctt cttcaaggac gacggcaact acaagacccg cgccgaggtg	4020
aagttcgagg gcgacaccct ggtgaaccgc atcgagctga agggcatcga cttcaaggag	4080
gacggcaaca tcctggggca caagctggag tacaactaca acagccacaa cgtctatatc	4140
atggccgaca agcagaagaa cggcatcaag gtgaacttca agatccgcca caacatcgag	4200
gacggcagcg tgcagctcgc cgaccactac cagcagaaca ccccatcgg cgacggcccc	4260
gtgctgctgc ccgacaacca ctacctgagc acccagtccg ccctgagcaa agaccccaac	4320
gagaagcgcg atcacatggt cctgctggag ttcgtgaccg ccgcccggat cactctcggc	4380
atggacgagc tgtacaagta agtcgacccg gaccgccaca tcgagcgggt caccgagctg	4440
caagaactct tcctcacgcg cgtcgggctc gacatcggca aggtgtgggt cgcggacgac	4500
ggcgccgcgg tggcgggtctg gaccacgccg gagagcgtcg aagcgggggc ggtgttcgcc	4560
gagatcggct cgcgcatggc cgagttgagc ggttcccggc tggccgcgca gcaacagatg	4620
gaaggcctcc tggcgccgca ccggcccaag gagcccgcgt ggttcctggc caccgtcggc	4680
gtctcgcccc accaccaggg caagggtctg ggcagcgccg tcgtgctccc cggagtggag	4740
gcggccgagc gcgctggggg gccgccttc ctggagacct ccgcgccccg caacctcccc	4800
ttctacgagc ggctcggctt caccgtcacc gccgacgtcg aggtgcccga aggaccgcgc	4860

acctggtgca	tgacccgcaa	gcccgggtgcc	tgagttcgcg	tctggaacaa	tcaacctctg	4920
gactcgacaa	tcaacctctg	gattacaaaa	tttgtgaaag	attgactggg	attcttaact	4980
atgttgctcc	ttttacgcta	tgtggatacg	ctgctttaat	gcctttgtat	catgctattg	5040
cttcccgtat	ggctttcatt	ttctcctcct	tgtataaatc	ctggttgctg	tctctttatg	5100
aggagtgtg	gcccgttgct	aggcaacgtg	gcgtgggtgtg	cactgtgttt	gctgacgcaa	5160
ccccactgg	ttggggcatt	gccaccacct	gtcagctcct	ttccgggact	ttcgctttcc	5220
ccctccctat	tgccacggcg	gaactcatcg	ccgcctgcct	tgcccgtgc	tggacagggg	5280
ctcggctgtt	gggcactgac	aattccgtgg	tgttgctggg	gaaatcatcg	tcctttcctt	5340
ggctgctcgc	ctgtgttgcc	acctggattc	tgcgcgggac	gtccttctgc	tacgtccctt	5400
cggccctcaa	tccagcggac	cttccttccc	gcggcctgct	gccggctctg	cggcctcttc	5460
cgcgtcttcg	ccttcgccct	cagacgagtc	ggatctccct	ttgggccgcc	tccccgctta	5520
gtactggtac	ctttaagacc	aatgacttac	aaggcagctg	tagatcttag	ccacttttta	5580
aaagaaaagg	ggggactgga	agggctaatt	cactcccaac	gaagacaaga	ttccggaatt	5640
tatttgtgaa	atttgtgatg	ctattgcttt	atttgtaaac	cggcgcagct	gctttttgcc	5700
tgtactgggt	ctctctggtt	agaccagatc	tgagcctggg	agctctctgg	ctaactaggg	5760
aaccactgc	ttaagcctca	ataaagcttg	ccttgagtgc	ttcaagtagt	gtgtgcccgt	5820
ctgttggtg	actctggtaa	ctagagatcc	ctcagaccct	tttagtcagt	gtggaaaatc	5880
tctagcatct	agagtatgca	aagcatgcat	ctcaattagt	cagcaaccag	gtgtggaaag	5940
tccccaggct	ccccagcagg	cagaagtatg	caaagcatgc	atctcaatta	gtcagcaacc	6000
atagtccgc	ccctaactcc	gcccatcccg	cccctaactc	cgcccagttc	cgcccattct	6060
ccgccccatg	gctgactaat	tttttttatt	tatgcagagg	cagaggccgc	ctcggcctct	6120
gagctattcc	agaagtagtg	aggaggcttt	tttggaggcc	taggctagag	atcataatca	6180
gccataccac	atttgtagag	gttttacttg	ctttaaaaaa	cctcccacac	ctccccctga	6240
acctgaaaca	taaaatgaat	gcaattgttg	ttgttaactt	gtttattgca	gcttataatg	6300
gttacaaata	aagcaatagc	atcacaaatt	tcacaaataa	agcatttttt	tactgcatt	6360
ctagttgtgg	tttgtccaaa	ctcatcaatg	tatcttatca	tgtctgctag	ccgggctttt	6420
ttttcttagg	ccttcttcog	cttcctcgct	cactgactcg	ctgcgctcgg	tcgttcggct	6480
gcggcgagcg	gtatcagctc	actcaaaggc	ggtaatacgg	ttatccacag	aatcagggga	6540
taacgcagga	aagaacatgt	gagcaaaagg	ccagcaaaag	gccaggaacc	gtaaaaaggc	6600
cgcgttgctg	gcgtttttcc	ataggctccg	ccccctgac	gagcatcaca	aaaatcgacg	6660

ctcaagtcag	aggtggcgaa	acccgacagg	actataaaga	taccaggcgt	ttccccctgg	6720
aagctccctc	gtgcgctctc	ctgttccgac	cctgccgctt	accggatacc	tgtccgcctt	6780
tctcccttcg	ggaagcgtgg	cgctttctca	tagctcacgc	tgtaggtatc	tcagttcggg	6840
gtaggtcgtt	cgctccaagc	tgggctgtgt	gcacgaaccc	cccgttcagc	ccgaccgctg	6900
cgccttatcc	ggtaactatc	gtcttgagtc	caacccggtg	agacacgact	tatcgccact	6960
ggcagcagcc	actggtaaca	ggattagcag	agcgaggtat	gtaggcgggtg	ctacagagtt	7020
cttgaagtgg	tggcctaact	acggctacac	tagaagaaca	gtatttggtg	tctgcgctct	7080
gctgaagcca	gttaccttcg	gaaaaagagt	tggtagctct	tgatccggca	aacaaaccac	7140
cgctggtagc	ggtggttttt	ttgtttgcaa	gcagcagatt	acgcgcagaa	aaaaaggatc	7200
tcaagaagat	cctttgatct	tttctacggg	gtctgacgct	cagtggaaacg	aaaactcacg	7260
ttaagggatt	ttggatcatga	gattatcaaa	aaggatcttc	acctagatcc	ttttaaatta	7320
aaaatgaagt	tttaaataca	tctaaagtat	atatgagtaa	acttggtctg	acagttacca	7380
atgcttaatc	agtgaggcac	ctatctcagc	gatctgtcta	tttcggtcat	ccatagttgc	7440
ctgactcctg	cgcagtccaa	aaaaaaaggc	tccaaaagga	gcctttaatt	gtatcgggtg	7500
gcccttagaa	aaactcatcg	agcatcaaat	gaaactgcaa	tttattcata	tcaggattat	7560
caataccata	tttttgaaaa	agccgtttct	gtaatgaagg	agaaaactca	ccgaggcagt	7620
tccataggat	ggcaagatcc	tggtatcggg	ctgcgattcc	gactcgtcca	acatcaatac	7680
aacctattaa	tttccccctg	tcaaaaataa	ggttatcaag	tgagaaatca	ccatgagtga	7740
cgactgaatc	cggtgagaat	ggcaaaagct	tatgcatttc	tttccagact	tgttcaacag	7800
gccagccatt	acgctcgtca	tcaaaatcac	tcgcatcaac	caaaccgtta	ttcatcgtg	7860
attgcgcctg	agcgagacga	aatacgcgat	cgctgttaaa	aggacaatta	caaacaggaa	7920
tcgaatgcaa	ccggcgcagg	aacactgcca	gcgcatcaac	aatattttca	cctgaatcag	7980
gatattcttc	taataacctg	aatgctgttt	tcccggggat	cgcagtgggtg	agtaaccatg	8040
catcatcagg	agtacggata	aaatgcttga	tggtcggaag	aggcataaat	tccgtcagcc	8100
agtttagtct	gaccatctca	tctgtaacat	cattggcaac	gctacctttg	ccatgtttca	8160
gaaacaactc	tggcgcacatg	ggcttcccat	acaatcgata	gattgtcgca	cctgattgcc	8220
cgacattatc	gcgagcccat	ttatacccat	ataaatcagc	atccatgttg	gaatttaatc	8280
gcggcctcga	gcaagacggt	tcccgttgaa	tatggctcat	aacaccctt	gtattactgt	8340
ttatgtaagc	agacagtttt	attgttcatg	atgatataat	tttatcttgt	gcaatgtaac	8400
atcagagatt	ttgagacaca	acgtggttta	aacaaatagt	caaaagcctc	cggcg	8455

<210> 19
 <211> 12088
 <212> DNA
 <213> artificial

<220>
 <223> synthetic

<400> 19
 tggaagggct aattcactcc caaagaagac aagatatacct tgatctgtgg atctaccaca 60
 cacaaggcta cttccctgat tagcagaact acacaccagg gccagggggtc agatatccac 120
 tgacctttgg atggtgctac aagctagtac cagttgagcc agataaggta gaagaggcca 180
 ataaaggaga gaacaccagc ttgttacacc ctgtgagcct gcatgggatg gatgaccg 240
 agagagaagt gttagagtgg aggtttgaca gccgcctagc atttcatcac gtggcccgag 300
 agctgcatcc ggagtacttc aagaactgct gatatcgagc ttgctacaag ggactttccg 360
 ctggggactt tccagggagg cgtggcctgg gcgggactgg ggagtggcga gccctcagat 420
 cctgcatata agcagctgct ttttgctgt actgggtctc tctgggttaga ccagatctga 480
 gcctgggagc tctctggcta actaggaac ccactgctta agcctcaata aagcttgctc 540
 tgagtgtctc aagtagtgtg tgcccgtctg ttgtgtgact ctggtaacta gagatccctc 600
 agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacttgaaag 660
 cgaaagggaa accagaggag ctctctcgac gcaggactcg gcttgctgaa gcgcgcacgg 720
 caagaggcga ggggcggcga ctggtgagta cgccaaaaat tttgactagc ggaggctaga 780
 aggagagaga tgggtgctgag agcgtcagta ttaagcgggg gagaattaga tcgcatggg 840
 aaaaaattcg gttaaggcca gggggaaaga aaaaatataa attaaaacat atagtatggg 900
 caagcaggga gctagaacga ttcgcagtta atcctggcct gttagaaaca tcagaaggct 960
 gtagacaaat actgggacag ctacaacat cccttcagac aggatcagaa gaacttagat 1020
 cattatataa tacagtagca accctctatt gtgtgcatca aaggatagag ataaaagaca 1080
 ccaaggaagc tttagacaag atagaggaag agcaaaaca aagtaagacc accgcacagc 1140
 aagcgcccg cgcgtgatct tcagacctgg aggaggagat atgagggaca attggagaag 1200
 tgaattatat aaatataaag tagtaaaaat tgaaccatta ggagtagcac ccaccaaggc 1260
 aaagagaaga gtggtgcaga gagaaaaaag agcagtggga ataggagctt tgttccttgg 1320
 gttcttggga gcagcaggaa gcactatggg cgagcgctca atgacgctga cggtagaggc 1380
 cagacaatta ttgtctggta tagtgcagca gcagaacaat ttgctgaggg ctattgaggc 1440
 gcaacagcat ctgttgcaac tcacagtctg gggcatcaag cagctccagg caagaatcct 1500

ggctgtggaa agatacctaa aggatcaaca gctcctgggg atttgggggtt gctctggaaa	1560
actcatttgc accactgctg tgccttggaa tgctagttagg agtaataaat ctctggaaca	1620
gattttggaat cacacgacct ggatggagtg ggacagagaa attaacaatt acacaagctt	1680
aatacactcc ttaattgaag aatcgcaaaa ccagcaagaa aagaatgaac aagaattatt	1740
ggaattagat aaatgggcaa gtttgtggaa ttggtttaac ataacaaatt ggctgtggta	1800
tataaaatta ttcataatga tagtaggagg cttggtaggt ttaagaatag tttttgctgt	1860
actttctata gtgaatagag ttaggcaggg atattcacca ttatcgtttc agaccacct	1920
ccaaccccg aggggacccg acaggcccg aggaatagaa gaagaagggtg gagagagaga	1980
cagagacaga tccattcgat tagtgaacgg atcggcactg cgtgcgcaa ttctgcagac	2040
aatggcagt attcatccac aattttaaaa gaaaaggggg gattgggggg tacagtgcag	2100
gggaaagaat agtagacata atagcaacag acatacaaac taaagaatta caaaaacaaa	2160
ttacaaaaat tcaaaatttt cgggtttatt acagggacag cagagatcca gtttggttag	2220
taccgggccc gctctagtcc ggaatcagtc ctgctcctcg gccacgaagt gcacgcagtt	2280
gccggccggg tcgcgccagg cgaactcccg cccccacggc tgctcgccga tctcggtcat	2340
ggccggcccg gaggcgtccc ggaagtctgt ggacacgacc tccgaccact cggcgtacag	2400
ctcgtccagg ccgcgacccc acaccaggc cagggtgttg tccggcacca cctggctctg	2460
gaccgcgtg atgaacaggg tcacgtcgtc ccggaccaca ccggcgaagt cgtcctccac	2520
gaagtcccgg gagaacccga gccggtcggg ccagaactcg accgctccgg cgacgtcgcg	2580
cgcggtgagc accggaacgg cactggtcaa cttggccatg gtggccctcc tatagtgagt	2640
cgtattatac tatgccgata tactatgccg atgattaatt gtcaacacgt gctgcaggtc	2700
cgaggttcta gcgctggcc tccgcgccgg gttttggcgc ctcccgcggg cgccccctc	2760
ctcacggcga gcgctgccac gtcagacgaa gggcgccagg agcgtcctga tccttccgcc	2820
cggacgctca ggacagcggc ccgctgctca taagactcgg ccttagaacc ccagtatcag	2880
cagaaggaca ttttaggacg ggacttgggt gactctaggg cactggtttt ctttccagag	2940
agcggaacag gcgaggaaaa gtagtccctt ctcggcgatt ctgcggaggg atctccgtgg	3000
ggcgggtgaac gccgatgatt atataaggac gcgccgggtg tggcacagct agttccgtcg	3060
cagccgggat ttgggtcgcg gttcttgttt gtggatcgct gtgatcgtca cttggtgagt	3120
agcgggctgc tgggctggcc ggggctttcg tggccgccgg gccgctcggg gggacggaag	3180
cgtgtggaga gaccgccaag ggctgtagtc tgggtccgcg agcaagggtg ccctgaactg	3240
ggggttgggg ggagcgcagc aaaatggcgg ctgttcccga gtcttgaatg gaagacgctt	3300

gtgaggcggg	ctgtgaggtc	gttgaacaaa	ggtggggggc	atggtgggcg	gcaagaaccc	3360
aaggtcttga	ggccttcgct	aatgcgggaa	agctcttatt	cgggtgagat	gggctggggc	3420
accatctggg	gaccctgacg	tgaagtttgt	cactgactgg	agaactcggc	ttgtcgtctg	3480
ttgcgggggc	ggcagttatg	gcggtgccgt	tgggcagtgc	acccgtacct	ttgggagcgc	3540
gcgccctcgt	cgtgtcgtga	cgtcacccgt	tctgttggct	tataatgcag	ggtggggcca	3600
cctgccggta	ggtgtgcggc	aggcttttct	ccgtcgcagg	acgcagggtt	cgggcctagg	3660
gtaggctctc	ctgaatcgac	aggcgccgga	cctctggtga	ggggagggat	aagtgaggcg	3720
tcagtttctt	tggtcggttt	tatgtacctt	tcttcttaag	tagctgaagc	tccggttttg	3780
aactatgcgc	tcgggggttg	cgagtgtgtt	ttgtgaagtt	ttttaggcac	cttttgaaat	3840
gtaatcattt	gggtcaatat	gtaattttca	gtgttagact	agtaaattgt	ccgctaaatt	3900
ctggccggtt	ttggcttttt	tgtagacgc	tagcctagcg	gatccgaatt	ctcgaaactt	3960
aagatgcacc	cagaaacgct	ggtgaaagta	aaagatgctg	aagatcagtt	gggtgcacga	4020
gtgggttaca	tcgaactgga	tctcaacagc	ggtaagatcc	ttgagagttt	tcgccccgaa	4080
gaacgttttc	caatgatgag	cactttttaa	gttctgctat	gtggcgcggt	attatcccgt	4140
attgacgccg	ggcaagagca	actcggtcgc	cgcatacact	attctcagaa	tgacttggtt	4200
gagtactcac	cagtcacaga	aaagcatctt	acggatggca	tgacagtaag	agaattatgc	4260
agtgctgcca	taaccatgag	tgataacact	gcggccaact	tacttctgac	aacgatcgga	4320
ggaccgaagg	agctaaccgc	ttttttgcac	aacatggggg	atcatgtaac	tcgccttgat	4380
cgttgggaac	cggagctgaa	tgaagccata	ccaaacgacg	agcgtgacac	cacgacgcct	4440
gtagcaatgg	caacaacggt	gcgcaacta	ttactgggt	ccggaggcgg	cggctccggc	4500
ggcggcggct	cgagcggcgg	cggcggatcc	ctacttactc	tagcttcccc	gcaacaatta	4560
atagactgga	tggaggcgga	taaagttgca	ggaccacttc	tgcgctcggc	ccttccggct	4620
ggctggttta	ttgctgataa	atctggagcc	ggtgagcgtg	ggtctcgcgg	tatcattgca	4680
gcactggggc	cagatggtaa	gccctcccgt	atcgtagtta	tctacacgac	ggggagtcag	4740
gcaactatgg	atgaacgaaa	tagacagatc	gctgagatag	gtgcctcact	gattaagcat	4800
tggtgagcag	atctgcccac	tagtgagtcg	tattacatcc	atcacactgg	cggccgcaaa	4860
ttccgcccct	ctccctcccc	ccccctaacc	gttactggcc	gaagccgctt	ggaataaggc	4920
cgggtgtcgt	ttgtctatat	gttattttcc	accatattgc	cgtcttttgg	caatgtgagg	4980
gcccggaaac	ctggccctgt	cttcttgacg	agcattccta	ggggtctttc	ccctctcgcc	5040
aaaggaatgc	aaggtctgtt	gaatgtcgtg	aaggaagcag	ttcctctgga	agcttcttga	5100

agacaaacaa	cgtctgtagc	gaccctttgc	aggcagcgga	acccccacc	tggcgacagg	5160
tgcctctgcg	gccaaaagcc	acgtgtataa	gatacacctg	caaaggcggc	acaaccccag	5220
tgccacgttg	tgagttggat	agttgtggaa	agagtcaaat	ggctctcctc	aagcgtattc	5280
aacaaggggc	tgaaggatgc	ccagaaggta	ccccattgta	tgggatctga	tctggggcct	5340
cgggtgcacat	gctttacatg	tgtttagtcg	aggttaaaaa	aacgtctagg	ccccccgaac	5400
cacggggacg	tggttttcct	ttgaaaaaca	cgataatacc	atggccaccg	agtacaagcc	5460
cacgggtgcg	ctcgccaccc	gcgacgacgt	ccccggggc	gtacgcaccc	tcgccgcccgc	5520
gttcgccgac	taccccgcca	cgcgccacac	cgtcgaccgc	gaccgccaca	tcgagcgggt	5580
caccgagctg	caagaactct	tcctcacgcg	cgtcgggctc	gacatcggca	aggtgtgggt	5640
cgcgggacgac	ggcgccgcg	tggcgggtctg	gaccacgccg	gagagcgctg	aagcgggggc	5700
ggtgttcgcc	gagatcggt	cgcgcatggc	cgagttgagc	ggttcccggc	tggccgcgca	5760
gcaacagatg	gaaggcctcc	tggcgccgca	ccggcccaag	gagcccgcgt	ggttctctggc	5820
caccgtcggc	gtctcgccc	accaccagg	caagggtctg	ggcagcgccg	tcgtgctccc	5880
cggagtggag	gcggccgagc	gcgctgggg	gcccgccttc	ctggagacct	ccgcgccccg	5940
caacctcccc	ttctacgagc	ggctcggctt	caccgtcacc	gccgacgtcg	aggtgcccga	6000
aggaccgcg	acctgggtgca	tgaccgcgaa	gcccgggtgc	tgagttcgcg	tctggaacaa	6060
tcaacctctg	gattacaaaa	tttgtgaaag	attgactgg	attcttaact	atgttgctcc	6120
ttttacgcta	tgtggatacg	ctgctttaat	gcctttgtat	catgctattg	cttcccgtat	6180
ggctttcatt	ttctcctcct	tgtataaatc	ctggttgctg	tctctttatg	aggagtgtg	6240
gcccgttgtc	aggcaacgtg	gcgtgggtgtg	cactgtgttt	gctgacgcaa	ccccactgg	6300
ttggggcatt	gccaccacct	gtcagctcct	ttccgggact	ttcgctttcc	ccctccctat	6360
tgccacggcg	gaactcatcg	ccgcctgcct	tgcccgtgc	tggacagggg	ctcggtgtt	6420
gggcactgac	aattccgtgg	tggtgtcggg	gaagctgacg	tcctttccat	ggctgctcgc	6480
ctgtgttgcc	acctggattc	tgcgcgggac	gtccttctgc	tacgtccctt	cggccctcaa	6540
tccagcggac	cttcttccc	gcggcctgct	gccggctctg	cggcctcttc	cgctcttcg	6600
ccttcgccct	cagacgagtc	ggatctccct	ttgggccgcc	tccccgcctg	gaattaattc	6660
tgcagtcgag	acctagaaaa	acatggagca	atcacaagta	gcaatacagc	agctaccaat	6720
gctgattgtg	cctggctaga	agcacaagag	gaggaggagg	tgggttttcc	agtcacacct	6780
caggtaacct	taagaccaat	gacttacaag	gcagctgtag	atcttagcca	ctttttaaaa	6840
gaaaagaggg	gactggaagg	gctaattcac	tccaacgaa	gacaagatct	gctttttgct	6900

tgtactgggt	ctctctggtt	agaccagatc	tgagcctggg	agctctcttg	ctaactaggg	6960
aacccactgc	ttaagcctca	ataaagcttg	ccttgagtgc	ttcaagtagt	gtgtgcccgt	7020
ctgttgtgtg	actctggtaa	ctagagatcc	ctcagaccct	tttagtcagt	gtggaaaatc	7080
tctagcagta	gtagttcatg	tcattcttatt	attcagtatt	tataacttgc	aaagaaatga	7140
atatcagaga	gtgagaggcc	ttgacattgt	ttaaaccgcg	tgatcagcct	cgactgtgcc	7200
ttctagttgc	cagccatctg	ttgtttgccc	ctccccctg	ccttccttga	ccctggaagg	7260
tgccactccc	actgtccttt	cctaataaaa	tgaggaaatt	gcatcgcat	gtctgagtag	7320
gtgtcattct	attctggggg	gtgggggtgg	gcaggacagc	aagggggagg	attgggaaga	7380
caatagcagg	catgctgggg	atgcggtggg	ctctatggct	tctgaggcgg	aaagaaccag	7440
ctggggctct	aggggggtat	cccacgcgcc	ctgtagcggc	gcattaagcg	cggcgggtgt	7500
ggtggttacg	cgcagcgtga	ccgctacact	tgccagcgcc	ctagcgcccg	ctcctttcgc	7560
tttcttcctt	tcctttctcg	ccacgttcgc	cggctttccc	cgtcaagctc	taaatcgggg	7620
gctcccttta	gggttcggat	ttagtgcttt	acggcacctc	gacccccaaa	aacttgatta	7680
gggtgatggg	tcacgtagtg	ggccatcgcc	ctgatagacg	gtttttcgcc	ctttgacggt	7740
ggagtccacg	ttctttaata	gtggactctt	gttccaaact	ggaacaacac	tcaaccctat	7800
ctcggcttat	tcttttgatt	tataagggat	tttgccgatt	tcggcctatt	ggttaaaaaa	7860
tgagctgatt	taacaaaaat	ttaacgcgaa	ttaattctgt	ggaatgtgtg	tcagttaggg	7920
tgtggaaagt	ccccaggctc	cccagcaggc	agaagtatgc	aaagcatgca	tctcaattag	7980
tcagcaacca	ggtgtggaaa	gtccccaggc	tccccagcag	gcagaagtat	gcaaagcatg	8040
catctcaatt	agtcagcaac	catagtcccg	cccctaactc	cgcccatccc	gcccctaact	8100
ccgcccagtt	ccgcccattc	tccgccccat	ggctgactaa	ttttttttat	ttatgcagag	8160
gccgaggccg	cctctgcctc	tgagctattc	cagaagtagt	gaggaggctt	ttttggaggc	8220
ctaggctttt	gcaaaaagct	cccgggagct	tgtatatcca	ttttcggatc	tgatcagcac	8280
gtgatgaaaa	agcctgaact	caccgcgacg	tctgtcgaga	agtttctgat	cgaaaagttc	8340
gacagcgtct	ccgacctgat	gcagctctcg	gagggcgaag	aatctcgtgc	tttcagcttc	8400
gatgtaggag	ggcgtggata	tgtcctgcgg	gtaaatagct	gcgccgatgg	tttctacaaa	8460
gatcgttatg	tttatcggca	ctttgcatcg	gccgcgctcc	cgattccgga	agtgcttgac	8520
attggggaat	taattcagcg	agagcctgac	ctattgcatc	tcccgcctg	cacagggtgt	8580
cacgttgcaa	gacctgcctg	aaaccgaact	gcccgtgtgt	ctgcagccgg	tcgcggaggc	8640
catggatgcg	atcgctgcgg	ccgatcttag	ccagacgagc	gggttcggcc	cattcggacc	8700

gcaaggaatc ggtcaataca ctacatggcg tgatttcata tgcgcgattg ctgatcccca	8760
tgtgtatcac tggcaaactg tgatggacga caccgtcagt gcgtccgtcg cgcaggctct	8820
cgatgagctg atgctttggg ccgaggactg ccccgaaagtc cggcacctcg tgcacgcgga	8880
tttcggctcc aacaatgtcc tgacggacaa tggccgcata acagcgggtca ttgactggag	8940
cgaggcgatg ttcggggatt cccaatacga ggtcgccaac atcttcttct ggaggccgtg	9000
gttggcttgt atggagcagc agacgcgcta cttcgagcgg aggcattccg agcttgcagg	9060
atcgccgcgg ctccgggctg atatgctccg cattggctctt gaccaactct atcagagctt	9120
ggttgacggc aatttcgatg atgcagcttg ggcgcagggc cgatgcgacg caatcgctccg	9180
atccggagcc gggactgtcg ggcgtacaca aatcgcccg cagaagcgcgg ccgtctggac	9240
cgatggctgt gtagaagtac tcgccgatag tggaaccga cgcgccagca ctcgctcgag	9300
ggcaaaggaa tagcacgtgc tacgagattt cgattccacc gccgccttct atgaaagggt	9360
gggcttcgga atcgttttcc gggacgcgg ctggatgac ctccagcgcg gggatctcat	9420
gctggagttc ttcgccacc ccaacttggt tattgcagct tataatggtt acaaataaag	9480
caatagcatc acaaatttca caaataaagc atttttttca ctgcattcta gttgtggttt	9540
gtccaaactc atcaatgtat cttatcatgt ctgtataccg tcgacctcta gctagagctt	9600
ggcgtaatca tggatcatagc tgtttctgt gtgaaattgt tatccgctca caattccaca	9660
caacatacga gccggaagca taaagtgtaa agcctggggc gcctaagag tgagctaact	9720
cacattaatt gcgttgcgct cactgccgcg tttccagtcg ggaaacctgt cgtgccagct	9780
gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc gctcttcgcg	9840
ttcctcgctc actgactcgc tgcgctcggc cgttcggctg cggcgagcgg tatcagctca	9900
ctcaaaggcg gtaatacggc tatccacaga atcaggggat aacgcaggaa agaacatgtg	9960
agcaaaaaggc cagcaaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca	10020
taggctccgc cccctgacg agcatcacia aaatcgacgc tcaagtcaga ggtggcgaaa	10080
cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg tgcgctctcc	10140
tgttccgacc ctgccgtta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc	10200
gctttctcat agctcacgct gtaggtatct cagttcgggt taggtcggtc gctccaagct	10260
gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc gccttatccg gtaactatcg	10320
tcttgagtcc aaccgggtaa gacacgactt atcgccactg gcagcagcca ctggtaacag	10380
gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggg ggcctaacta	10440
cggctacact agaagaacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg	10500

```

aaaaagagtt ggtagctctt gatccggcaa acaaaccacc gctggtagcg gtgggtttttt 10560
tgtttgcaag cagcagatta cgcgagaaa aaaaggatct caagaagatc ctttgatctt 10620
ttctacgggg tctgacgctc agtggaaacga aaactcacgt taagggattt tgggtcatgag 10680
attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt ttaaataaat 10740
ctaaagtata tatgagtaaa cttggtctga cagttaccaa tgcttaatca gtgaggcacc 10800
tatctcagcg atctgtctat ttcgttcacg catagttgcc tgactccccg tcgtgtagat 10860
aactacgata cgggaggggt taccatctgg cccagtgct gcaatgatac cgcgagaccc 10920
acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag 10980
aagtggctct gcaactttat ccgcctccat ccagtcctatt aattggtgcc gggaagctag 11040
agtaagtagt tcgccagtta atagtttgcg caacgttggt gccattgcta caggcatcgt 11100
gggtgtcacgc tcgtcgtttg gtatggcttc attcagctcc gggtcccaac gatcaaggcg 11160
agttacatga tcccccatgt tgtgcaaaaa agcgggttagc tccttcggtc ctccgatcgt 11220
tgtcagaagt aagttggccg cagtgttata actcatgggt atggcagcac tgcataattc 11280
tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact caaccaagtc 11340
attctgagaa tagtgatatgc ggcgaccgag ttgctcttgc cggcggtcaa tacgggataa 11400
taccgcgcca catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt cttcggggcg 11460
aaaactctca aggatcttac cgctgttgag atccagttcg atgtaacca ctcgtgcacc 11520
caactgatct tcagcatctt ttactttcac cagcgtttct gggtagagcaa aaacaggaag 11580
gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac tcatactctt 11640
cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt 11700
tgaatgtatt tagaaaaata aacaaatagg gggtccgcgc acatttcccc gaaaagtgcc 11760
acctgacgtc gacggatcgg gagatcaact tgtttattgc agcttataat gggtacaaat 11820
aaagcaatag catcacaaat ttcacaaata aagcattttt ttactgcat tctagttgtg 11880
gtttgtccaa actcatcaat gtatcttata atgtctggat caactggata actcaagcta 11940
acaaaaatca tccaaaactt cccaccccat accctattac cactgccaat tacctgtggg 12000
ttcatttact ctaaacctgt gattcctctg aattattttc attttaaaga aattgtattt 12060
gttaaatatg tactacaaac ttagtagt 12088

```

```

<210> 20
<211> 233681
<212> DNA
<213> artificial

```


<220>

<223> synthetic

<400> 20

catgcacacc aataaaacttt tgctttttctt ttttagccaat aatatgtttc cgtgtgggtt	60
ttatagggtta accacttatg gtgtaaagta ggatattcat agttattgaa aacatgggta	120
cacaatgtaa cactaaacta ctatccgcac taatagcaac tgcaatcatc ctaactgcca	180
ttctagctcc ggtactttta catgaacaag aaaaggcatt ttaccgacaa ctttttgccg	240
aaagtcaaca tgtaaaaaca cccatcacgg tagttcaggg agatacagtt taccttaacg	300
ctagtaataa cccctgcaac tattccagct tctggaacta tggcgattgc gaactttgtg	360
gatggaacgg atacatacaa agacaatatc acgaaaacaa atcgtgctct ccacgattta	420
catgttttaa tgacaccaaa ggtcttagac tacataacgt tacgttttagc gattcaggaa	480
catacacaga atacatgtac gactgtgatt ttccatgtaa cacgagtgac tatgaatatg	540
acatactaaa ctattttgac aattgtacta ctaccataaa cagtaccaat tatattatca	600
ccgtattgtc tccacgtcat tctaaacaca ccgatttgca cgtatccgct cacgccgggt	660
tggcagctgc catggtgaca gtaattataa tttgcgtttt gatctacttt aacgttccgg	720
caaccgggag acacagacta cgaactagaa ataacgttaa ccacatactg taattacaaa	780
gtatcgacgc tagtttattc aggataaatt tgtgctactt tgtgtagctc tcaaaaattg	840
taaggcccca cttttccact ccgtcatgaa agatcgtaat aagctactca tatgtattat	900
ccttattttc accatgtgcc tcatctgtct ttattttaaa cgccgttgta ttctactcc	960
atctccagac aaggcagatc tgcgagtgga atttccttcg ttatctccgt gtgtcggcat	1020
acaatgcgct tcacgggaag atgcgtgata catagcgtac cccagacgg tacggcttat	1080
gagaacacaa ttgaaggaaa gtacaggttc ctgttgatat gttattacag aaggtcacgg	1140
aacacaaacg ttttctgcgt gtgtttttat aaaagagcgt ctcgaagcag cttgagccac	1200
actacgggcc agatgacgag cgtgatcaaa aatatgccgc gcagtagtcg aaagccgtac	1260
tgagcgtgcg aggcgggtag ggtgccgaac gacggatatg cgtcgtcatc atctttgact	1320
ataaggatcg cgaccgaatc ttcggacatg gtaaaagcca cccactgtgg ctggtatgta	1380
gcgtatccgg tttggaatcg ttcggctccg gctcggggga tagtgaggaa ttctcagggg	1440
acgatatggg acccaatgac tggataaaaag aagggttttt cccagtaaga tgatccccgt	1500
atcacatgag atctggatat gtataaatga ggagtgaaat aggcaaaggg tatcagacac	1560
cggccccgtc atgcagccgc tggttctctc agcggaggaa ctatcgtctc tgctgatttg	1620
caaatacatc ccaccttaag cgacgagtcc ataaagcatc gttatccggg tacggtgaaa	1680

gtgacccgga ttgcaccacg tccctttttt gtttttgcac cgtttatcgt caccactagt	1740
gcaatatattt tatcgtaagg ctgaaagagt atcgttatga tgcttagaat gtggagatta	1800
ttacagatgg tactgcttgc cacgtactgt tattatgttt ttgcgaattg ttcaatcagc	1860
acgacgactg ctctgtgga atggaagtct cccaaccgtc agattcccaa gaatattacc	1920
tgcgctaatt actcagggac cgtcggcggg aacgttactt ttcaggggtct caagaataaa	1980
acggaagact ttttatcttg gctactcggg tctggctata agtctatttg ctcgttcttc	2040
ccacaactcc ctggtgattc taatgagcag cattacagat atgaagtaac caacctcacg	2100
tacaattgta cctatgaccg cctaacgtta ctgaatctaa cgatggaaaa cagcaggaat	2160
tactatttca gaagagaaga tgcgaattcc accttctact actcttggtta caacctgacc	2220
gtgtcctaga gaacgcacgt gaagttccac agagccgcgt ggctgtagct attgtttacg	2280
ttgcttttga aatgttaagc gtccctacga cgctaactcg ggggagtcca gggttttccc	2340
agtcacgacg ttgtaaaacg acggccagtg aattcgagct cgggtaccgg ggatcttgaa	2400
gttcctattc cgaagttcct attctctaga aagtatagga acttcagagc gcttttgaag	2460
cttggcgtaa tcatgggcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc	2520
acacaacata cgagccggaa gacacaagac tgccactcca catacaacgt ggatcatacc	2580
cctgggttatc attataacaa tcatcatttt aatttgtttc aaatttcccc agaaagcttg	2640
gaataaattc acacaatacc gatacagcga tatgctcgcc gctgcttaaa gaatcaacgt	2700
cgaggaaacc aaaacgcaaa cataatggat atgtacgtgt atttttcagc tcaactgtttg	2760
aataccgtaa gaaaaatgac gtacatatac gtaataatac aacagttgct catgttatgc	2820
ggcgcctgat taactatatc gtgagtcatg gcctttttcc atgggtccgtc atgaccgcaa	2880
tgatacttta caggtattcc gaaacctgta tggaggtcac cgttaaagta ggtgatccgg	2940
tcaccctcgg aagtggacac gggttatcatc ctggccaaag agtacactgg tataatcatt	3000
catgtgtcgg catcggtaac ggcgaaaatg cgcacacctat ctgtacctac gaccctccta	3060
aacctggtaa acataagacg atgaaaacca ctccgccgcc attaccgccg ttgtacgaat	3120
gtcataattc tacattaagt atccttcatg taaacgtttc agatcccaa aactactgca	3180
gacgaaaatg tccatcaaact ggtaataact gtgagtttcc cacgtgtttt cagttatcgc	3240
ttatttatag aacgacgacc accaaaaaac ccggacaaaa aactacgtca ccgagattaa	3300
gaaccacgcc aaagaaacat acacagcaca aaagatccac aggaagaacg tcacctaaag	3360
attataatgt tacaggtctg ccaaaaggct ttgcggactc gtttaccggg aacgcagagg	3420
cacatagagc caaagatgcc gcacacagcg catggattat cattgtcatc atcattatca	3480

tagtcgtcat	tttattttctc	ttcaagattc	ctcaaagact	ccgagaaaaa	tgggacacca	3540
ggggatactt	ttacaaagga	accgacggcc	tgcccactac	ggactaattg	tcgtgagcgg	3600
atggatatct	ccggtttcaa	acccactggt	tgaatatagg	gacagtccct	acggaacctg	3660
agaacatgtg	gaaattacct	gtggtagaat	gctgttcagg	tacatcacct	ttcatcgcg	3720
aaaggtactt	tacctaacgg	ctgcatgcat	ctttggtggc	tacatcagcc	tccacgatgc	3780
ctgcataccg	gtgggttgca	aaataggtac	caacgtcacg	ttgaacgcgg	tagattttca	3840
tcccggtgat	cacgttcgct	ggtcttacgg	tcccggtggg	gcaggctaca	tgctatgtgt	3900
ttacactggg	agttggacag	aatacaaaaa	gccagacatc	atttttaagt	gtttatcaaa	3960
taacagtctt	cttttaatta	acgtaactgt	aaattatacc	aacacttacc	gtaccttgac	4020
atcgttaaac	aattgggttc	acaatcaaca	tcaccataaa	tttcccggat	ggaacttgga	4080
cacatgttac	agtctcacag	tgaacgaaaa	cggtacattc	ccactacca	ccaccaaaaa	4140
accactacg	accacgagaa	cgacaactac	caccacaaca	aagaaaacaa	ccaccacgag	4200
aacaaccacc	gccgccaaga	agacgacgat	aagcactacc	catcataaac	actccagtcc	4260
caaaaaatcc	agcaccctta	acagtcacgt	agaacatcac	gttggttttg	aagccacagc	4320
agcggaacaa	ccgttacaac	caagcccaca	gcaccaacac	gtggctacac	acgccctctg	4380
ggttttagcg	gtcgtaatcg	ttattatcat	cattatcatt	ttctactttc	gaataccgca	4440
aaagctgtgg	ctgctctggc	agcatgacaa	gcacggcatc	gtgctcatcc	ctcaaaccga	4500
tctgtgagca	agtcgcgtag	gaaatgattg	catgaaatca	ctgtgaaacg	ccaactccgt	4560
gccagctggc	gcggcggaca	ggcctttgac	gtatttgaag	ccaggcgcg	tctcgatacc	4620
gaaaggatcc	gagggggctt	tccaaagccg	acgtccctga	ttcccttcat	aaagctgttg	4680
accggcccta	gaaagaccaa	gagcatgctg	tgggcccact	gcggtcgctt	cttgcgttat	4740
catctgctcc	cgctgctgct	gtgtagactg	ccattcttac	tccttttcca	gcggccgcag	4800
tgggcccacg	gcttggacat	tgtagaggag	gacgagtggc	tacgggagat	acaaggagcg	4860
acgtaccagc	tgtccatagt	gcgccaagcc	atgcagcacg	ccggattcca	agtcagagca	4920
gcgtcgggtc	tgacgcggcg	aaacgccggt	gacctggacc	gaccgccgct	ttggtcggga	4980
tcgctcccgc	atttgcccgt	ctacgatgtg	cgttccccgc	ggccggtgag	accgccgtca	5040
tcacagcatc	acgccgtatc	acccgaactg	ccgtcgcgag	acgggatacg	ttggcagtac	5100
caagagctgc	agtatctggg	ggaagaacaa	cggcggcgaa	atcagtcgcg	caatgcgatt	5160
ccgagaccct	cgttcccccc	tccggatcca	ccatcgcagc	cggcagagga	tgcacgagac	5220
gcggacgcag	aacgtgccga	atcaccacat	agtcagaaaa	gcaccgtcag	gcacgacgcg	5280

agtgagaacg	cagtgcggcg	acggcacgaa	agacggcgct	ataacgctct	gacgggtccgc	5340
agccgggact	cgctgctcct	gacgcgaata	cgcttctcca	accaacgggtg	tttcggacgc	5400
gggcgtctga	gacatcccgc	gggaagcggg	cccaacaccg	gcggaccgcg	acccggcggg	5460
gcgggactcc	gtcaactacg	ccaacaactg	acgggtccgct	ggcagctggt	ccgcctacgg	5520
tgccacgggt	ggacacagca	ggtctctagc	cagatcagaa	cccgtgga	ggaaagcaac	5580
gtcgtgagcc	agacggccac	gcgagtacgt	acgtggttcg	tgaaaagaac	cacgttttgg	5640
cgtcgcacgt	gggttccggg	acagaaccgc	gcggccgaag	cgcaagaact	ggccgtcata	5700
ccgccggcac	ccacgggtgct	ccggcagaac	gaggaaccac	gtcaacagct	tacgggagag	5760
gagacaagaa	attcaacgca	cactcaacgt	gaagaagtgg	aggacgtttc	gagagagggc	5820
gcgagagaag	ggaatgatgg	gagccgagca	agtggaaacg	acgagagaag	gaataatgcg	5880
ggaagatatg	atgatgatca	tgaggttcaa	gagccgcagg	tcacttatcc	agcgggacaa	5940
ggagaactga	ataggagggtc	acaggaggag	aacgaggaag	gtggaccgtg	tgaatcgccg	6000
ccaatgacga	caaatacgtc	gaccgtggcc	tgtccgcccc	gagaaccccc	gcatcggtgc	6060
ctgtttcgtc	tatgcttagg	actgtgggtc	tcgagctacc	tggttcgacg	gcccattgacg	6120
atttagaata	caccgagcca	ttcctttatt	tcccccatc	cccgggtcgt	tatgcgtggt	6180
aaacactacc	aataaagata	atctgccaat	cgcaccttat	atataatatg	tggtcgcgtg	6240
tggtcttttt	aaggagctct	gaaacacaga	caggatatggg	cggtggtcgg	ctgccgccgc	6300
tgtggctgcc	gctactgatc	gcctggagcg	agtggggcaa	ctgctgcctc	gatgcgcctc	6360
cggtggtgcg	ttcgccctgt	ctgcagccgg	tgcgcgaccg	caaccgcgag	cggaaccggg	6420
gctcaccgca	gttgctgcct	tacggcgacc	gtctggaggt	ggcctgcac	ttccccgcgc	6480
acgactggcc	agaggtctct	atccgagtcc	acctctgcta	ctggcccag	atcgtgcgtt	6540
cgctggtggt	ggacgcacgc	agcggtcagg	tgttacacaa	cgacgccagc	tgttacatcg	6600
ccggcggggc	ctggcgcttc	gaggacggcg	gcgcggcgca	gcggctgagc	ctctcgtttc	6660
ggctcatcac	cgagaccgcg	ggcacctaca	cctgcgtgct	gggcaacgag	accacagcc	6720
tggcgaccga	gaccacggcg	ctggtggccg	acatgcacga	cctgcgccac	tcggaccgct	6780
cctgcgacct	ggctttcgga	tcgcgctcac	agacgcggta	cctgtggacg	cccgatccct	6840
ccaggttgcg	cagtataaac	tgcggttggg	aggggtgaacg	gcaccgcgta	gtccactaca	6900
tccccggcac	ctcgggtttg	ctgccctcgt	gcgaggagga	cgagcgcgaa	ctgtgcgtgc	6960
ccttcatcag	ccagagcatt	gcggacaaca	actgcagccg	ccggcatcga	gttgacggcg	7020
ctaggcggcg	ctatcatcta	cggagggatt	actggctgac	ggatccgaag	atcgggttgc	7080

tggccgcggg	atcgggtggcc	ctgacctccc	tctgccacct	gctgtgctac	tgggtgttccg	7140
aatcgtaccg	gcgtctgaac	accgaggagg	aaagcgaggc	ggcggaggaa	actgccgcgg	7200
gagaagcctc	tgcggtagcg	gcggcgggccg	tctctgagga	agagcagcgg	cgggagtaaa	7260
cgaggagagc	catgaagcgg	atgattcgca	gtcacggcag	gaaaacggaa	tgtcagatga	7320
cgggcgcggg	cgagcgacgc	ggctccggccg	tcggtgcgcc	catctgcggc	agcggtagcc	7380
gacgcggcag	cggcgccaac	gaacgcgcgc	actccgacgt	cgggtcccatc	gcccacagta	7440
gcggtaccag	acgcggttcg	gcgaatgaaa	cgtccgcctg	tacgcggacc	gatcaccaga	7500
aggcggacat	tggtgtgtgg	ttcatgtttc	tgggtttttgg	actgtgttcg	tgggtggcga	7560
tgcggtatcg	cgcacaataa	attttgaatc	gatgtcaagg	aacgcgtggt	ttgtatttta	7620
ttgggaatat	tggcggggat	aaaccggttt	cggatgttta	cccttaatct	taccggggac	7680
ctcgttgtcc	tctcctcctt	cttcctcgga	caccgggctc	catgctgacg	taggtaccga	7740
ctgggggtcaa	aagcctgggt	acttatgagg	agcgcgcaca	aaggaccgtt	aggcgccggc	7800
atggagcgtc	gccgaggtag	ggtaccgctg	ggatgggtgt	tttttgttct	ttgcttatct	7860
gcctcttcct	cgtgtgctgt	tgacctgggt	agcaagtcct	ccaactcgac	ctgccgcttg	7920
aatgtgacgg	agttggcctc	gatccatcct	ggggaaacgt	ggacgttaca	cgggatgtgt	7980
atctctatct	gctactacga	gaatgtgacc	gaggacgaga	tcacggcggt	ggcttttact	8040
tggcagcata	acgagtctgt	ggttgacctg	tggttgtacc	agaacgacac	ggtgatccgc	8100
aatttcagcg	acatcaccac	taacatcttg	caagacggac	tgaaaatgcg	aaccgtccct	8160
gtgactaaac	tgtacaccag	cgcgatggtc	actaatctta	ccgtggggccg	ctatgactgt	8220
ttacgctgcg	agaacggtag	gacgaaaata	atcgagcgcc	tctacgtccg	attgggctcg	8280
ctatatccga	gaccgcccgg	atccgggctc	gccaaacacc	cctccgtaag	cgccgacgag	8340
gaactgtccg	cgaccttggc	gagagacatc	gtgttggtct	cagccatcac	tctgttcttc	8400
ttcttggttg	ccctacggat	ccccagcgga	ctgtgtcagc	ggctgcgcat	tcgcctgccg	8460
catcgatacc	agcggttacg	caccgaggac	tgaacggata	accgcaaagg	ccacgtgcaa	8520
cgttcacgct	gctataagaa	ggccatgtcc	cccgtggacg	ggtctctttg	acacgagcgc	8580
ggcacgccgt	tgccacgagc	atggatcacg	cgtctctcac	acacttcgtc	ggccgacccc	8640
gtcactgtcg	gttggaatat	ttgattctgg	acgaacaggt	gtctaagaga	tcctgggaca	8700
ccacggttta	ccacaggcgc	cgcaaacatc	tacctcgacg	tcgcgctccg	tgcggccccc	8760
agaggcccg	cgagattccc	aaaagaagaa	aaaaggcggc	cgtccttcta	ttttggcacg	8820
atctgtgctg	gctgtttcga	cgacttttct	ttcctcgggg	ggactcagag	ccactgatgt	8880

cggatccggc	acggtctccc	gaagaggagg	agtaaacaac	acacgggctaa	gaggatacat	8940
catcaaagaa	gataggaggg	gtcaaaacgc	ggactgaaag	tatataacgc	cgatcatgtc	9000
cgaggaactg	ttaataaaaac	gccatgatga	caatgtggtg	tctgacgttg	tttgtgctgt	9060
ggatgttgag	agtgggtgga	atgcacgtgt	tgcgttacgg	gtacacgggg	attttcgatg	9120
atacatcgca	tatgacgttg	accgttgtgg	ggatttttga	cgggcaacac	ttttttacct	9180
atcacgttaa	ttccagcgat	aaagcgtcaa	gtcgggccaa	cgggtaccatt	tcttggtatg	9240
ctaacgtctc	ggcggcctac	cccacctacc	tggacgggga	aagagccaaa	ggtgacctta	9300
tttttaacca	aaccgagcaa	aacctgttag	agctggaaat	tgcgttggtg	taccggtcac	9360
agagcgtgct	gacgtggacg	cacgagtgtg	ataccacgga	aaacggtagt	tttgtagccg	9420
gttacgaggg	atttgggtgg	gacggggaaa	ctttaatgga	gctcaaggat	aacctgacac	9480
tatggacggg	cccccaattac	gaaattagtt	ggttgaagca	aaacaaaacg	tacatcgacg	9540
gtaaaattaa	aaacatcagc	gagggggata	ctacaataca	aaggaactat	ctcaagggtg	9600
attgcactca	atgggtccgtc	atttatagcg	ggtttcaaac	ccccgtcacc	caccagtggt	9660
taaagggcgg	tgtccgaaac	cagaatgaca	acagagctga	agcattctgt	acatcttacg	9720
ggttctttcc	aggggaaatt	aatattactt	ttatccatta	cggtaataag	gcgcccgatg	9780
atagcgagcc	tcaatgcaat	ccgctacttc	ccaccttgga	tgggactttc	catcagggat	9840
gttacgtagc	catcttttgc	aatcaaaaact	acacctgccg	cgttacacac	ggtaattgga	9900
cggtggaat	ccccatcagc	gttacctcac	ctgacgacag	ttcctcgggg	gaggtccccg	9960
atcacccgac	agctaacaaa	cgctataaca	ccatgaccat	cagcagtgtc	ctcctagccc	10020
tgcttttatg	cgctttgcta	ttcgcgttcc	tgcactactt	taccaccttg	aaacaatacc	10080
tacgtaacct	ggcctttgcg	tggcgctatc	gcaaggtccg	gtcgtcatga	ccagcaacgc	10140
cctgtatgag	ctgtttcgac	gtcggttacc	gcgtgcccc	gtcaacacgg	tcatgtttct	10200
cacgcgacgc	actcgtgatg	ggttctgcgg	tcggttgacg	tccatcgcca	cgaattccca	10260
ctacactatg	ttcgtgttgg	atcacgggtc	cgtgcgcata	gagcgaccga	gtcagtcaga	10320
agtggattgc	gccagtttaa	tggaaacgct	gaagcggatt	cggttacgaa	attcgtgggt	10380
agcgtcagaa	gacgagctag	atgggagtcg	cagggacgcg	tgacacgaaa	cgcgttcagg	10440
attaacgtag	gttttcaaaa	taacctacgt	ccgtgagtga	cgcggtttcg	tgttgaaacc	10500
cgcgcccggg	tcccacgggtg	gtttatgatg	aaaccggcgt	tggggatcta	cgcgggttcc	10560
tcattcaacc	tgcgaaaaga	ggaagtgcg	gtaaaaccac	gtcaataaag	acgtcaatga	10620
cacctcaatg	ttgcgttgga	acggtcttta	tatatacaaa	cgcggttatg	ctcagtggtc	10680

ggcaagatgc tcgggataca tgctatgctg gtgatgctga attaccactg ggcacaggtg 10740
 acaacgaaca atgacgcccc aaataataat acagatacca tctttgtatc tctccttacc 10800
 gggcccaacg gaattacccg cacagccgtt ggaggtttgt attcaaaacta caccgaccta 10860
 accgggacat tcaatttcat ccaaggcaac atatcagcta atgcgtccag tggagataat 10920
 tggagcgtag ctaacctgac aaaaaactgc atcaaccgcg gtgagtctta cctgactacc 10980
 ctctggcttt tgaactgtac tcaaaacgat acttattggt actctggaaa tgcttacaac 11040
 tatacaaata acacctgtgg aagtacagtc tcgggatatc ttttgggcat gtgcgaacta 11100
 tggaaaaagt gggtcggtaa tgatacttct catacacca ccagaatcga gttgttaaaa 11160
 aatgaaacac gctgcacgct gcccgctaaa cagtatatcc tcaacgccac ggtggaatgg 11220
 tacaacaaat ctgaaggtga cataccaaag gaattcatga gttatgctat cctgagttcc 11280
 gtggcggtgc ttacatgcgg acttcaggaa gcttatatac tcgacatgac tcgcagaatc 11340
 acgtacttgt tctccatgtc ctgcatagga atcacaagta taatatccat catactcgcc 11400
 tccttatcgc tgcttatcct catctgttac tatcgctgtg gccgacttct gatatgcca 11460
 cgcggttttg aacgcttgcc agaattcacc gaggaagagg aggaaaaaga aaacttggtta 11520
 acgcacaagg acattgaagt ccaggtgcct atccgcacgc ggcgactgct cgtcccttgg 11580
 atccgggaaa gcaaaatgtg gacattacca cctccacttc ctccacgacc tcctcactta 11640
 atagaattcc caccgtctcc tccgtcgtcg cctgagccca cgcacatggt aatctgcata 11700
 ccatcatgac ggactttgga ctgagcccca agcggtagcg actatatatt ttccacaagt 11760
 ctacactgaa cttgagcaca caaatactga caatagactg gatatataga cttttatatg 11820
 atccctgtac agatgtaaat aaaatgtttt tatttaaaac tgggtccaat gttcttcggg 11880
 aatcatgggg tggggacggg ggacgcggta gggagcaaaa ccgggtacat gggggggaac 11940
 atcgtccagc aatagcacca gcggattggg taggggttgc tgcggaggtc ggtcgatgac 12000
 gatgtcgatc tccatcgga gatccggcaa catctcttcg tctccctcac cgaccagcac 12060
 tcggcgctgt tctggatgta tatgattctg gaaaagcctc cgacgagctc gcggcgcgta 12120
 gaaagccaag cggcgcaagg gccggcgagc ccgaaagtcc atgcgcacag atggcatgag 12180
 tccttgagtg acggtggtga gctggggaac agggctacct cccatcgga cggtgacagt 12240
 ggatccatga gagaggcgcc gcacgtgca tgactaaata ccgtgaatcc cctgacgtcg 12300
 tctttcgtcc agaacgcgtc atgttggggg cgaggcgtaa accgtcgagg ttgaaaaacc 12360
 gcgtatctgc gaccgcgtcg gactacgttg tttttcagaa gcggccacat gacctcgaga 12420
 tgtcgtcacc caaggtattt aacggcacac agccagacgc gttcgtcagc agcgacgccg 12480

acaagacctc	agcatggctc	ggaggctatg	gatcttgagc	ttactagccg	tgaccttgac	12540
ggtggctttg	gcggcacctt	ctcagaaatc	gaagcgcagg	taaacggaat	ctggggaatt	12600
caacacaggt	aagaaataca	aaaaaataac	gtgattgtga	acgcggttat	cgtgtttttg	12660
cagcgtgacg	gtggaacaac	ccagtaccag	cgctgatggg	agtaatacca	ccccagcaa	12720
gaacgtaact	ctcagtcagg	gggggtccac	caccgacgga	gacgaagatt	actccgggga	12780
gtatgacgtt	ttgattacag	acggagatgg	cagcgaacat	cagcaaccac	aaaagactga	12840
tgaacacaaa	gaaaatcaag	ccaaagaaaa	tgaaaagaag	attcagtaac	agcagacccc	12900
aagggttaac	gattatgttg	actaccttgt	tttttattaa	aaagctgtaa	ggttttgctc	12960
taaaaacacc	ccgcctccgg	tcttttttct	tttgtattcg	gcacgcgaaa	cacggtttct	13020
tcccatagcc	tgtctaacta	gccttcccgt	gagagtttat	gaacatgtat	ctcaccagaa	13080
tgctagtttg	tagaggctat	gcgggatgct	gcggcggcgc	gaccttcctt	ctccaccag	13140
ccccgtcaaa	acacacgcga	ctcgagcggg	tcgtatgaaa	aataaaaaac	agctttttat	13200
ttacaggaac	ggggaaaaaa	aaaggcacac	ggtccgtggg	agacgcgggt	tcacgcgtcg	13260
tcaaaaagtt	ggtggtccac	tccgtaagga	caggtaggct	tatttagctt	ccgcatgctc	13320
ctggttccgt	aataaatgcc	gttttcgtgg	cagcgtgtca	tgccgcgagt	cacaaactcc	13380
atcaaactgt	cggccacgat	gcaaacgtgc	tgattgttgg	cagcaaagac	gcgcatacag	13440
tcgtccacga	agaggttgat	cacgtcgtag	gggctcacca	accagcctaa	aggttccacg	13500
tggttactgc	cgaccatgac	cctccagtcg	ttaatctcgc	tccagtcgta	cagccgaatc	13560
gtggagacgc	gaatgacgct	gtaatcacc	atgaccatga	gtcggccgcg	atacgtagca	13620
cgccactgcg	cgaacgcgtg	gatgtgcatg	cagccggcca	gcgctctaag	cgaggcggtg	13680
tgcggcagct	cctctgggac	ggtgatgaag	ttgcagcgtc	gcaaaccgat	gttgagaaat	13740
tcagtgatgc	tctcggccac	aaagggtcaac	gagtcagagt	agatgtgggc	ggtccacagg	13800
tacatggcgc	ccgaggcgcc	caggtacagt	tcagacggca	cgttgtgata	gcccttgtgt	13860
ttaagaaagt	tgtaggtgca	gatgctgccg	acgaaacgca	gcggctcggg	gcagcagagg	13920
tagctggcca	gacgctgtgc	atcccgtcct	tcgtcgcgca	ccaagcgcca	gcgacgccgg	13980
ataacgaggc	agcgttcttt	gggccagacc	agggccacgc	gttgcccggg	tttccacggt	14040
cgcgacgtct	taggaggcct	ccagcggtcg	agcagattga	gaaaacagtc	cttgattacc	14100
gacatcgcg	tcgcgctcg	gtggacaaaa	agaaatcggg	ccgatccgga	aaaaaaaaaa	14160
aaacgacggc	aaaacaccgc	cgtgctcgag	cgaaggggtg	cggagggcca	gaagaggcgg	14220
ccttgacggc	gttggcagcg	aaaaaattgg	cacgcgagtc	aaacgggaag	tagcgtcggt	14280

gttttatgcc	ccaagcagcg	tcgtcgtcac	tcgtggcgtc	acagtcaacg	gtgctgacgt	14340
cctttggggc	agtcggggcac	gcgatcgtag	atgccgttgt	ggccgctgaa	acgtcggttt	14400
tcaaacagca	ggttaagtcc	cagacacatg	aacgtgttga	gattatctcc	cacccggatg	14460
tagcggtcgt	cgcgcacgtc	gcaggcgtag	acggccccgg	tataggcgac	gacgatgggg	14520
ataaggtcga	cgggccagcg	caagtgagga	aagggcgcg	tctcgccctt	gaggctgacg	14580
gttcccaggc	cgagaacg	cattccgaaa	gcggttttga	tgttgcgcag	caagtgaccg	14640
ccttccacgc	tgttttcgaa	acacctgagg	ttgcatagac	gcagttccgt	tcccggcggg	14700
tacgtcaacg	gcatgaactg	cccgtggtgg	cggatgatga	atcgcgccat	ggtatccaaa	14760
ccgaggctcc	aggcgcgcaa	cagcgggcga	aagtagcgct	taaccaacga	cgaggtcagg	14820
tagcgcatgc	agtgcagggt	ctcgacggcg	cgagcccga	cgcgcgcaaa	ctccatgagg	14880
ttgcgggcca	ggtagtagac	ggcggtgtcc	tcggtacat	agcaaaagac	atagccctcg	14940
tccgagatga	ggcacacggc	ggtcttcttc	tgctgatccg	gcgacaacac	ggcctcgttc	15000
acgaagcgac	ccacgaaggc	caggcgcgtc	tcgcagcaca	ggtagtgact	ccaagctttc	15060
acgtcctccg	gtttgaagtc	ctcgctcgtc	tcgatctcct	gcagcactag	gttccagccc	15120
ggcgggccaga	ccacgggcaa	cacctggcct	gcgttgatgc	gcacgtaagc	ttccagacag	15180
cccaggccga	actcggccgt	gagcgccagg	ctagccagat	cgctcatgtg	acgcgccgag	15240
tcagtggg	agccccgggg	cccgtcgcac	accacgctcc	gtcttcttgt	cctcaccg	15300
gccagcgtgg	cgaggacact	ttccgcgccc	gaggctgtat	cttcggtttg	cccgcgggag	15360
ccggccctca	ctatataacg	tcccgccccg	gtctcctcca	tgtatgcagg	taagcaactg	15420
agccgaacgc	acctcagcag	acgagaggat	gtcgtcgcg	cgtcgcagct	cgtcacgtcg	15480
ctctggcgaa	ccctcgacgg	tgatttatat	cccctcgagc	aacgaggaca	cgccggcgga	15540
tgaggaggcg	gaggacagcg	ttttcacgag	cacgcggg	cgagcgcca	cggaagatct	15600
ggatcgcatg	gaggccggtt	tgtcgcccta	cagcgtctcc	tcggacgctc	cgtcgtcctt	15660
cgagctcgtg	cgcgagaccg	gcggcaccgg	cgccgccaag	aaaccgagcg	aaaagaaacg	15720
atcgtcgtcg	cgtcggcaac	cgagatcgc	agcgggcg	cctcggggct	cgccggcgac	15780
acccaaggcc	ggcaagtgcg	ctaaagtctc	gcgaccgcct	agtgtgccct	cgctgcccga	15840
gaacggcgcc	ggcggcggtg	gcgacgataa	cagcagcagc	ggcggtagca	gcagtcgcac	15900
caccagtaac	agtagcagaa	gtaccagtcc	cgtggcgcca	ggtgagccgt	ccgctgccga	15960
gggcgatgag	ttttccttct	gcgacagcga	catcgaagac	tttgagcg	aatgttaccg	16020
ggtcagcgtg	gccgacaatc	tgggcttcga	gccagcgtg	gtcgcgccgc	agcacgtcga	16080

gtatctcaaa ttcgtgctgc aagactttga cgtgcagcac ctccgccgcc tcaacgaatg 16140
 catacccatg ccggccttcg cgctcaccag cctcgtcgac cccgtcttaa acaacgtagc 16200
 gcctggcgag cgcgatctca cgcgtcggat aatcacgcac gcggtgatca tcaactatta 16260
 ctacgtggcg caaaagaaag cgcgccacat ggtggaggcc atacggacca ccgtgcgggg 16320
 cgacacggta cgccgggtag ccgcgcaggt caacaaccag agccgttcgg ggcgtagcggc 16380
 cgcgctagcg cttcactttc tcacgtcacg aaaaggagtg acggacggcc agtacgccac 16440
 gtctctgcg cggttgagcg aagagctgcg gcatcgcggc acgcccgaat cgccgcggct 16500
 caccgaggtc taccagacgc tacgcgatta caacgtgctc ttctataccg cccactacac 16560
 ctcgcgcggc gcgtctatc tctatcgga aaacctgcag cggtcaacg agaaccaccg 16620
 gggcatgctc cggtgctttt cggtcgaaga gatatgtgaa gagcacacgc tcaacgatct 16680
 ggcgttccta gtaggcgtcg agcttatgat cagcactttt caacgcacca ttcgcgtgct 16740
 gcgctgctat ctccagcacc agctgcagag catctcggag ctgtgttacc tcatctatgt 16800
 acaactgccg tcgttgcgcg aagactacgc gcagcttagt gacgtgatct actgggccgt 16860
 cagtcaaaac tacgactacg cgctctacgc gagcacgccg gcgttgtttg actttttacg 16920
 cgtcgtgctg cagcaggacg ccttcatttg caccgactac gtgtactgcg ccctgcgtct 16980
 gctggcctgt cccgacagac ctattatcgg tgacaccggc ggcagcagta gctcccaacg 17040
 cctcgtaggc gagtttatgg tgcgcgatcc gctgttgcg gcgccgcgcg ccaccacact 17100
 gcgccagaaa ctcatcacc gcgacatatg cgtggcgcgg ttgcaagcgc agccctcgag 17160
 tcgacacatt ccggtcgaac acacgggtgt ctctccgctc accctgctca aaatctttag 17220
 ccaggtcccc cccgacgaac gcgaagaaga cacgttacgc gagatggctc ttaaagcggt 17280
 tatggaagcg aacggtaatc acccgaaca aatctgccga tccccaccac cccgctgcc 17340
 accgcgcgac tatcctcaac gcgacgagcg ggaccgtcac cgtcgcgacc gccgcgacag 17400
 cggggaatac tgttgctgat ggtgggacga aacagcaggg cggaacagtt tatgatagaa 17460
 agtcacagga aagtatgtgt tgtttttttt ttaatgtacc aagaataaaa agtgcgtcta 17520
 cgaccaaagc ggtgtgtgga cgctcgtcct ctgtcttctc cggttttttt ttatgtgtgt 17580
 gtttttcttt tccttcctat tttgttacgg caacagcgct gatggcacgt tgccggcttc 17640
 gaacatcgcg tcggtgattt cttgcttgcc cggcgtcaca cggtgacgca gcagcgcgcg 17700
 gctcacgtag caggccgact cgcgatgac ctggccgctc gcgtcgcgtc gcaggcccga 17760
 gcggttgccg tgacgcagtc ggccctgcgc ggcgcgctcc acgtcttcaa agtagctgtg 17820
 tagcaggccg cgctccagca gctgcggcag cgagtcggcg gcgcgcacca caaagttctc 17880

acggctgata	tcgtagcaca	gcacgctgcc	gtcggctgcc	acgccggcca	cgctgcggtc	17940
ccaactgaag	aggttggcga	gtccgatggg	gccgatgacg	cgcaactgac	cctgggtcac	18000
caccagcagc	ttccagtatt	ctacgtcgcg	cggggtgagg	atggtctcct	ccacgtcgca	18060
gacaaacaac	gtgtagccgc	gcggataggg	cagatccagg	tggcgaccgc	gctggcgggc	18120
cataaaatcg	tctaaattca	aaccgccgtc	gggtgcgcgc	ctgctcgtca	tcgccgcgcc	18180
tcgtcggtcg	atgacccac	ggtgcttata	acgcgccgcc	gcggcttcat	gtggcgtgac	18240
ctccgacctc	gtgaggccga	aaacggcgta	catgaagacg	ctcaaacttt	tgaatgtggg	18300
cccggtagcg	caccgagggc	cccggggcgg	cgacgacggc	gggtccgagt	tccagcgggg	18360
ccttgcgggc	gcagcggttg	gcgtggttgc	tcagctcggc	gtccgagagc	gccgagctga	18420
actgcggcag	ccgcgtgcga	tcctgcggcg	cgtccccgtg	tcgcagcgag	tgccagagca	18480
ggcgctggac	gcgcgccgtc	tcgggcgtcg	gcggcgcgcg	acagccccgg	cgcagcttga	18540
aaacgtgcag	gcacagcagc	tcgcgcttga	tgcgagcgga	cacgctgcgg	tagtcgggaa	18600
tccgctgcac	cagctcgaga	aagtcgcaga	aggctctcac	gaacgtgtcc	tcggtgaagc	18660
gaatgcgctt	cagatcgtgg	acgtgtttgc	gaaaccgcga	cagttctcga	cgttgacagc	18720
ggttctgagc	gagtcccttg	cgcagcagcg	cagcctcgcc	tttaaacagc	ctgatgagcc	18780
gctgcacgtc	cccgtcaac	atacgtatac	acgccgtgta	ctcgtgacgt	atactggcgc	18840
gcagcagccg	aatgatacgc	agggccagca	cggcgttgga	ggccaggtag	atggcgtagc	18900
cgcgacgcgg	gttggcacag	gccagccccg	cggggagcag	aaagtagtcg	tcgaccagcg	18960
tctgcgacca	gtcggcgaag	cccaggtcac	gtgatacgtc	gtcctggagc	cggggccacgt	19020
cgccggctgt	gaggtggcgg	atcgccggca	ggtgaaacgc	gccaggtgtg	cgattgcgct	19080
ccagcctcag	ctcggcgtgc	tcctaacggg	aatggtggga	cgccaccgcg	gagggcgaca	19140
aagaggagtg	gtcgccgccg	ccgtagttac	cgttgtgatt	accgccgtcg	tcgcgcccg	19200
cgccgcactc	gaaaaaggcc	gcgtagaggt	ccttcaacgc	cgcttcggct	cgcgccataa	19260
acgtggcgtg	gaaaaaaacg	gcggcgcggt	gcgtccggta	cttgacgggc	aaccgcgggc	19320
acagggccgc	cggcaggcag	cggccgatga	gttcgcgctc	ctcgggctcc	agaaacaggc	19380
acagggtgcc	gtccaggcgc	aggtacagct	cctcgggtcat	cgagcatagc	tgccgcaagt	19440
aatgggtgcg	cgtcccaaag	gtcttgtaat	cgagcaacgt	gcacaccacg	tattgccccg	19500
tggccacggc	cagagcgatg	cgtttgggcg	cgcgactgat	ctctggcaag	tactgcgcct	19560
cgtgcaccag	acggcggaag	gcgccggcgt	tgagccagcg	aaaatgctgc	ggatcggggc	19620
gcaagggcac	gcctcgaagc	gcggcccaga	cagcgaggtc	cgactcgagc	gtcagaccgc	19680

ggatgtcgtgta cttgccgtg cccgtagcgc aggctgaatg gacaagacag ctgcgggcgaa 19740
 tgtacacccat ggcgtgcttg ggatgttttg gcgccggcgt tttctttttc tgaccgccgg 19800
 cggccgccag atcctcgggc gtgcgacaca acaggccggc gcgcacagcc tcctgtcgat 19860
 tacgaatcgg cgtcaggtag gcgcgcagga actggtgaca aaactcctca tcatcacgac 19920
 agtcgtcgag atactcgtag gtggtgagcg gatcgcgaaa taggcgctcg tcaccgtcgt 19980
 catggtcttc tttagcctgc tcctccggct gctgggttg cggtggaggc ggcggtgat 20040
 ccacgggggt catgactgag aggaagaaga aggtggcggc gaagcgacgc ggagcgacgg 20100
 cggtaaagcc agacaccggc tatatagcta gtcacacag tctcctcctt cacgacgccc 20160
 ccgtgccgct cacgctatcc agcacgctac ggcccgaata cacgtactcg ctgacgtcgt 20220
 acgcgggcga tgtatggctg ctcaccgggt tcgcggcgac ggttgcgctc gagtccaacg 20280
 gcgagaagca aaaacgccgt gggcaacgaa accagaagga gccctgacgg ataaaaccgc 20340
 gcagcgtctc ggccaactta accagcatcg taccgtacag cagtacgtga atgccgccat 20400
 gcgcgtccat aaatacggct ttgttcacgg gttccatcca tccgatgact acaaaatggg 20460
 cctgttctag cacgccgatc acgaaattgt tggcctcgctc ggccctcgcc acgttccacg 20520
 agccgaaagt gaaagtacaa gcgggcgagc cgcccaggcg gatcttgcta ccggcggtga 20580
 gctgacatac gcgcagcaga ttggcgcggt cgtgcagtat ctgggagagt tcgtacatgc 20640
 ccgcaaaggt gtgcttaaac cacgcgccct ctacgatctc atccacgtag tcgcgctcaa 20700
 agaagctgta cacggcaaag aggcggttct caaaaaactc gccgaacgag agccccagca 20760
 cgtacacctt gtcctcgccg ggcaggtacg caaaggcgtg cccgtgcccg gagaccagca 20820
 tctcggggcg cgtgtttgcg tccggcacgc attcgtacac actgacgagg ccgataaagt 20880
 acaagcgggc agcctggcg aggcacgaga agcgccggta ggtcttgtga tcgcgcacca 20940
 ccccaaagta ctgagtgtcg ccagcatga tgccgtgcag cggcggccag cacagcggga 21000
 gccaacgacc cgccgtggcg cgcacgtagc gctgcaggtg aaccccgtc gcacgctcgc 21060
 gcggcttcgg gcgcttggtg gtccaggcat cacgcaggcc gcgccagatg ctgctgaact 21120
 tgggctgccc gcgcagatag agcgacgaga gcgagtcaaa gtagccacg acgagcctgt 21180
 cgggagacac aagagcgcg aaatcaaacc tagaacgaca acggtgaaaa aaccgaccag 21240
 aagcgcggtg ctcaaacacg ctactttcgg ttataaaaac accgtcgccc tatttctggg 21300
 cgtgtgtaca ctgatgactc acctacgctt ttgaacggc agtctcagct cgggattggc 21360
 ctcgtacagc gagctgcggt ccacggggcc gatgctctcg taacgaaagt cgtcgatgag 21420
 cagcgccagc cccacgcgca cgaagcccct gaggtcgcg gccagccgca ccaacttatc 21480

ctgccccacc	agcgccgcgt	acacggtgcc	cgtatcacccg	cagagaatcc	gcacgcggtg	21540
aaagaaggtc	ttgtcctcgg	cgccctcgat	ttcgcccagc	ggcatgacgg	gctcgcgcgt	21600
gtacaacgaa	cgttgaaagc	ggcgcagcat	cgaggccgag	agccccagat	cgcgcgcgct	21660
gcgcagcacc	agggaatgct	tctcggggcca	gatgaggatc	agttgcgcct	cgcggtgcgc	21720
ctctacgtag	gcgcaacgag	cggcgggtgtc	ctcgcaggcc	agcaactcgc	ggaaagccag	21780
cagcgaacgt	aggtagcggc	cgcgagcgga	ggcgcgcgag	cggcggcaca	gctcagccccg	21840
atggtcggga	tgcaccaagg	gcacgttggg	ttgcagacgc	gcgcagatgg	attcgtgcac	21900
cgggtcgcag	cgaatcatgc	ccttgggcaaa	aaatccggcc	agatccgagg	ccaactcgta	21960
caggcagtcc	tcttgcgcg	cgtaggcgaa	cacggagccg	tacgcgtcca	cgaacacctg	22020
gtaccggcag	gtggcgtgcg	agaccgtgcc	aatgagatgc	agagctcggg	attcgccgaa	22080
aaagtcgttc	tggcagtgct	ccagatcgat	ctcggtcagc	gagtgcggcg	aatgctcacc	22140
cccgaccacg	tagatgcact	gcgagggcca	gcccagcgat	acgcacgaac	cctcgaagcg	22200
ccgcaagtaa	cgccgcaggc	cctcatagtc	gcgtcgcacg	cacaggtcgg	ccaagtcgcg	22260
cgtgcaaaaag	acctcgggta	ccaagcagcg	tttgcgacgc	ggccgacgcg	cgtgcccggg	22320
cagaggagga	aggcgcgacg	gcggcgacga	cgaggaggaa	gacgccgtgg	ccgccgagca	22380
gcccttgcca	cggccagaca	tgccggcagt	ccgcgacgat	ccacaggaga	caaaaaagca	22440
gaagcagcag	tagtctcgac	gacccgctcc	accccgctct	ccacacgctc	agccgcgact	22500
gagcgccggg	gcgcgcgcgt	acttgggttt	ttatagccat	ctgccccccg	tctcggggcac	22560
ccgggagcga	tctacggaga	cctgacagca	cttgggcaac	acaagacagg	gaaatacaaa	22620
gacactttta	ataaaaaacg	agactacttt	gtgtgtgtgc	tccgtaaact	gtttattctc	22680
cccctccgtc	tcgctctgga	tgggctccgg	gtccgtcaac	acgcgacccg	cgtggcaaaa	22740
ggcacgctgt	tgacggcgcg	agagcccgtc	atgatagtcc	atcatgcccc	ggagatcgtg	22800
cacaaagcag	ctgtcgccgc	gcagaaaccg	acgcagcgtc	tccacgtgct	gcagctgtcg	22860
gcgcgtatca	ggagccgtca	tcgctgatgt	cgtcatcgcc	ctgacaggcg	cgtagatggc	22920
tccgcgagat	catgcgcgtt	ttcaaccgcc	gtgacacatc	aggtccatct	tgagctggcg	22980
ccgggcctcg	cgcaggtctc	gcacgcgttg	tgagcgggag	gcgagttcgg	cttcttgctc	23040
gaactcctgc	tgctcactgt	ccgagagggg	gcgataaaaag	gcggcaaagt	cctccaagtc	23100
ggctacatgc	gccctgggtc	tgacgtctca	aagcgtacgc	agtctgatga	agcggaccca	23160
tcgagcgtca	cggcacgccg	tcttgaacgc	agggcccggg	aagagattct	tctccccggc	23220
gcgctcgggc	cggcgaggcc	gacgcggttt	atatacacccg	tctcggacgg	cgggacgccg	23280

agcccgcgcc	gcggccgctc	atccggagac	ggcggaaacc	gcggcgcccg	aggaaacggg	23340
gaccggcaac	gacggcggtg	gcggcgacca	gattatgggg	gacaagccca	cgcttgtgac	23400
cctgttgacc	gtcgccgtgt	cgtcgccgcc	accgtcgtcg	ccgtgcccgc	tcgtcagctt	23460
cacggagctg	ctgttaccgc	cgccgtccgt	cgccgccgct	gcggtggcgg	caacagcgac	23520
gagcgaggtg	ggcgagaaaa	ccgcggagca	agaggtagcg	gctgcgggtc	cggagaccgg	23580
gaatgagaga	agagaaaaca	gggaggacga	aggaggggag	acgaggacga	cgggcaccac	23640
cgcggtcaaa	aggtcgcacg	acggtatccc	tcgccaactg	gcagagcgcc	tcggtgtgtg	23700
ccgccacatg	gaccccgagc	aggactatcg	tctgccggcg	caggacgtgg	tgacctcgtg	23760
gatcgaagcg	ctacgcgacg	cggaccgcga	caactacggt	cgctgcgtgc	gccacgccaa	23820
gattcacctg	tcggcctcgc	acctgacggc	ctacgagtcg	tacttgggtg	ccatcaccga	23880
gcagtacaac	acggcctcga	acgtgacgga	gaaagcttcg	tacgtgcagg	gctgcatctt	23940
tctctcgttt	ccggtcattt	acaacaacac	gcagggctgc	ggctacaagt	acgactggtc	24000
caacgtgggtg	acgcccgaag	cggcgtacgc	cgagctcttc	tttctgctct	gctccaccag	24060
cgagagctcc	gtggtgctgc	aaccgctcat	caccaagggc	gggtctctgct	cgtccatggc	24120
ggtttacgac	gaggaaacca	tgcggcagtc	gcaggcgggtg	cagatcggtt	ttctgcacac	24180
acaactggtc	atggtgccct	tcgtgccgca	cgcctgcccc	cattacgccg	tgcttttcac	24240
gacgccggga	aagccgggct	gcggcggtgc	tccgagcggc	gttgcggggt	tggaggaggc	24300
ggcgcccttt	ggacgggtca	gcgtcacgcg	gcatggcgcg	acgtgctgtg	gtcgcgtgga	24360
ccatctgacc	tggatcagta	agcgcgtaac	cacgtacgga	cacaaaaaaaa	ttacgcgcta	24420
cctcgcgag	ttccgcggca	cgatggacga	cgacgaggcg	gcgctaccgg	gcgaggacga	24480
ggcgtggatc	gcgtccaaaa	acgtgcagta	cgaattcatg	ggtctcattt	tcaccgtcaa	24540
cgtggattca	ctatgcgtgg	acgcggaaca	gcgccaactg	ctgggcaccg	tggccacctc	24600
cttctgtcac	cggtctcgg	acaagatcac	agcgcgcaac	atgccgcgcg	ccttttcctt	24660
ctacttgcta	acgagcgcg	agcgcgggta	cgacctgcga	tttagccgca	accgtcact	24720
ctttttcagc	ggcgacgcgc	tcaactgtcc	gcttctcaac	gagcccaacg	tgttttcgct	24780
cacggtgcac	gcgccttacg	atatccactt	cggggtgcaa	ccgcggcaga	cgggtggagtt	24840
ggacttgcg	tacgtgcaga	tcacagaccg	gtgtttcttg	gtggccaact	tgccacacga	24900
ggacgccttt	tacacggggc	tcagcgtgtg	gcgcggcggt	gagccgctca	aagtcacgct	24960
gtggacgcgc	acgcgttcca	tcgtgatccc	gcagggcacc	cccatcgcca	cgttgtatca	25020
aatcaccgag	ggcgacggta	acgtgtactc	gtacaatcac	cacacggtgt	ttcggcagat	25080

gcacgccgcc	ggagcaacca	cgttctttct	gggcgacatg	caattgcccg	cggacaactt	25140
tctcacgtct	ccccatccct	gaccctccgt	ccgtcctcct	ttcccgaacac	gtcactatcc	25200
gatgatttca	ttaaaaagta	cgtctgcgtg	tgtgttttctt	aactattcct	ccgttttctt	25260
aatcttctcg	atcttttgga	ggatgttctg	cacggcgctcc	gacggcggtt	tggcgccccc	25320
catgccggca	gaacccggtt	gcggccccgt	accgctcttc	tggggcgacg	ataggtcgaa	25380
agccaccgtt	ttcatgcccg	tcgtgctctt	gacgggggaa	cctacggcgg	cgggtccccgt	25440
cgagcggcgt	gattgcaaag	ccgcgctcgc	ccccggttcc	aggatggagg	gggaggccac	25500
aggcggcgca	ttcgatacgc	tgcttttggc	cgtagacgac	ggtgggtaaa	cggtagttac	25560
tgcgggatac	gtcggcgtgg	tcgaggcggc	ccggctgggtg	ccggacaggc	gaccgcggcg	25620
gctaccgctc	acggggaccg	agggcggctc	acctaccacc	gccttgccgc	ccaaagtagg	25680
tttcaaggaa	ggaacaacac	cgacgcggct	gccccggcct	ttcaccggag	acgggggggc	25740
actcttgcc	ggggacggag	aggctgacga	aagcatggac	agcggcgatg	tggcggggga	25800
cacgatatca	tcctccgtgg	gcgataaaac	ggacgccgaa	gctgacggct	gtcgagccga	25860
agaagcggaa	gagggtcccc	cgccagaagt	cacgttcctt	gatgacgtcg	ttttagacga	25920
agccggttga	ggttgcaaca	gcgtggcggg	taccgtcgac	ggcgtgcccg	acacctgttt	25980
ctctagcctt	ccctgaaccg	gtgtcgacgt	caccgtctgc	gctcgggcgg	acgcgtgcgg	26040
cgtcgcgact	cgcttgccca	gcaccggttt	ctggctcgtg	gatgtcgtcg	tcattggaga	26100
cgataactta	gctttacgta	ttctggacgg	cgtcgactgc	tcgggcgtct	gactgggagg	26160
cgaaatgacg	tcgttgtaat	cggacgacgg	tggtgtgtgt	cccaggctga	cgacggagcc	26220
ggtgtccgag	gagtcgtcgt	cttcctcctc	gctgtcttcg	accggtgact	ctgcagtttg	26280
gtcccttaaa	gccccaacct	catcagcggg	gttctgagac	gctgtttgtg	tcaccgcggc	26340
gcgtggagtc	gacggcctcc	gaggggtggg	ggacacgggtg	ttttgagaag	ccgtggaagt	26400
cgtaggcatc	ctgaagggat	tgtgagccag	gtgaggattc	ctgaggggcc	acgcgcgttc	26460
gcgcggccag	ttggcggggg	tcatatcccc	gggcaacggc	gccgtcggag	cccaggggcg	26520
gttaccgttg	accgggggtt	gggtaccgcg	gaaggtaggt	gtcggggccg	gagcgggggc	26580
cgtagaagga	ttgacaggcg	tcggcgtgag	gatggcagcg	ccggcgccag	cagggacgtt	26640
aactccggcg	ccgaacgtca	acgtcgggtg	ctcgaacttg	tacgcggtgg	tgacggggcg	26700
tttggcgctc	gtctcggtat	ccgtgatgtc	caccagcgtg	tcggtgaaac	gcggatcttg	26760
acggttgggg	ggatagccat	ccgagctgtc	ggaatcctcg	tcggccgaga	aaagatcccc	26820
tctggtctcc	gtgagcggcc	tcacgtccca	cgcgctgtcc	cgacggaccc	ttcccgggct	26880

ggccttggtc acctgcgggg agacgagact gaaagccgcg tgacgctggt gttgctgcgg 26940
 gatgttcaag ggaccactgg tcggtttctg actgcccagag gataacaggc cgctgaaaat 27000
 gctggaaaca ccgccaccac tagcggcgcc cttgccgcta gttcccgggt tcttgatggg 27060
 cgtaaagatg tttttctcgt catcatcatc gtcgtcgtcg tcctcatcgg cactggagcc 27120
 aaagagcctc cgggaggcgc tcggtttacg tgccgggggc ggtggttgct gctgacgttg 27180
 ctgcaggttc tgctgcctct cctcccaagc cttcagctgc tgtttctcac gctgcaccac 27240
 ctcgtcgtcc acccgtttct gccgctcgcg acgcttttcc tcttcgtcgt aatagccgac 27300
 ggccgccgaa cgggcagcgt gggcgtcggc ggccggtgcc agagaaccat gggcctcgaa 27360
 gcggaacggt ttgtgtccct tccagggact agcgatccag ctccagccgt ccagcggctg 27420
 cgtggggaca tgtttcttgg gtaccgacga gaaggctgaa ccgccgccga gcgagaggag 27480
 attggcgtca tcatcaaact ccaacgacgg cgagcgcgcg cccaaaaagg tgtgcgccga 27540
 ctgcgggaag ctgtccacgt agatatcaaa gtctcgtatg agcagctcca gcagcgtgtc 27600
 ggccgagtcg ccgttttcca cggcgtgctt gaggatattg cgacagtagt tggaatcaaa 27660
 ggaaaggcac atgcgcagct ccttgaccag cagcttgagc cgctcttgaa tgcgcgccag 27720
 acatttgccg tccagctcct cccaagacct tcgcacgttc atgatgagac ggcccgtgta 27780
 cagcagcttg ttgacggcgt tgaccagcgc cgtgttgggc tgccggtcca ggttaaggtc 27840
 gagcggtttc acacagaaca tgttacggcg cacaccctcc aggttttctt caatgcgctg 27900
 cacctccgta tctttgaggt gcacaaaggc gatgggttcc gtctggccga tggctgtgac 27960
 cagcgtctcg cgcaccgaca tcttggccag aatgaccgcg cttacgagcg cgcgctccac 28020
 gatctcggca tcgtggcgca cgtccgtatc gaattcggtc cggcttagca cagccagggtg 28080
 gtcacgcgcc ttaccacgat caccgaacgg gtaagtgtag ccgcgacgcg ccacggccgc 28140
 gcaacgcacc tcgaactcct cgagcaccga ggagaggtcg ggattgtgga aacgcagctc 28200
 gcggtagtat cccaacaaaa gcatgagctc gttgaacagc accgtacgcc ggtgcaggcg 28260
 tttttcgcca cattttttca ggatcttggg gtgtgcctcg agatccacgt cgggcttttg 28320
 cgtgagatgg cgcagaaagt tgaccagggc caccacatcg cgccgctgta gaccgataaa 28380
 ctgcaaactc atgctggctt ttctccagaa cccggaagcg tcgtcgcccc ggactgcgcc 28440
 cgcggtctgc tattcgccca cgatggacac catcatccac aactcggtga gcgccccacc 28500
 tagagggagg gggggtagtt taatagcgga ggcggatacg cggttttctt ttaagcgccg 28560
 ctgacttggt tcttctgttt ttctgccccg tgtgtgttcc cgcccagacc cgcaacaaca 28620
 ctctccgca catcaatgac acttgcaaca tgacagggcc gctattcgcc attcgaacca 28680

ccgaagccgt	actcaacaca	ttcatcatct	tcgtgggcgg	tccacttaac	gccatagtgt	28740
tgatcacgca	gctgctcacg	aatcgcggtgc	ttggctattc	gacgcccacc	atttacatga	28800
ccaacctcta	ctctactaat	tttctcacgc	ttactgtgct	accctttatc	gtactcagca	28860
accagtggct	gttgccggcc	ggcgtggcct	cgtgtaaatt	tctatcgggtg	atctactact	28920
caagctgcac	agtgggcttt	gccaccgtag	ctctgatcgc	cgccgatcgt	tatcgcgctcc	28980
ttcataaacg	aacatacgca	cgccaatcat	accgttcaac	ctatatgatt	ttgctattga	29040
catggctcgc	tggactaatt	ttttccgtgc	ccgcagctgt	ttacaccacg	gtggtgatgc	29100
atcacgatgc	caacgatacc	aataatacta	atgggcacgc	cacctgtgta	ctgtacttcg	29160
tagctgaaga	agtgcacaca	gtgctgcttt	cgtggaaagt	gctgctgacg	ctggtatggg	29220
gtgccgcacc	cgtgataatg	atgacgtggt	tctacgcatt	cttctactca	accgtacagc	29280
gcacgtcaca	gaaacaaagg	agtcgtacct	taacctttgt	tagcgtgcta	ctcatctcct	29340
tcgtggcgct	acagactccc	tacgtctctc	tcatgatctt	caacagttat	gccacaaccg	29400
cctggcccat	gcagtgtgaa	cacctcacac	tgcgacgcac	cattggcacg	ctggcgcggtg	29460
tggtgcccc	tctacactgc	ctcatthaatc	ccatcctgta	cgcgctgctg	ggtcatgatt	29520
ttctgcaacg	catgcggcag	tgtttccgcg	gtcagttgct	ggaccgccgc	gctttcctga	29580
gatcgagca	gaatcagcga	gctacagcgg	agacaaatct	agcggctggc	aacaattcac	29640
aatcagtggc	tacgtcatta	gacaccaata	gcaaaaactg	caatcagcac	gccaaacgca	29700
gcgtgtcttt	caattttccc	agcggtagct	ggaaaggcgg	ccagaaaacc	gcgtccaacg	29760
acacatccac	aaaaatcccc	catcgactct	cacaatcgca	tcataacctc	agcgggggtat	29820
gagctttcct	gttactttat	tcagaaagca	ccagaacccg	tcgccatttc	ccctcatata	29880
cggtagacgt	ccccctgatc	tgtcatcacg	gtacacagat	ttcgcccgac	tgcgagacgcc	29940
gacggccaat	cgcgtggcgt	aggagtggcg	ccccggcttc	attataacgc	cacgtcggag	30000
cccctgcgcg	ccacaacgcc	gtccggcgca	acttctgtct	cggcacggta	cgataaaaaac	30060
aacgtcccc	ctcgacgttg	ttttctccga	gcggtgatcg	ttcccgctcc	tctcctccct	30120
ccgcggcccc	cacggcgggc	gcctgctcgc	acggacctat	actattaccg	ccccaccgcc	30180
gtcgtcgtca	tgaacttcat	catcaccacc	cgagacttct	ccaacgacga	ttcagtccctg	30240
cgagccgccg	agatgcgtga	caacgtggca	ggctcgattt	ccaaagcgta	caagggcacg	30300
gtacgcgccg	aaggcaagaa	gaagctgctg	ctgaagcact	tgcccgtgcc	gcccggcggc	30360
tgctcgcgcc	gcaacagcaa	cctcttcggt	ttctgcaccg	agcgcgacta	ccgcaagttc	30420
caccagggca	tcgcacagct	caagcgcgcg	ccggccgaac	tggaccccc	cgagatccag	30480

caagtcacgg	ccagtatccg	ctgccgcctg	cagcccagtc	tccgcgagcc	gccacgccc	30540
gccgacgagc	tgcagacggc	tgtgtcgcgc	gtgtgcgcgc	tcttcaacca	gctggttttc	30600
acggcccagc	tgcgccacta	ctgcgagcac	caggacaagg	tggtgagcta	cgcgcgcgac	30660
gagttgacca	aacgctgcgg	cgaaaaatcg	gcgctggggc	tggaggtgca	tcaactggta	30720
gccttgctgc	cacacgagcg	ccaccgcgaa	ctgtgccacg	tcctcatcgg	cttggttcac	30780
cagacgccgc	acatgtgggc	gcgctccatc	cgtctcatcg	gacacctgcg	ccactacctg	30840
cagaacagct	tcctacacct	gttgatgaac	tcaggtttgg	atatcgaca	agttttcgac	30900
ggctgttacc	acagcgaggc	ctaccgcatg	ctcttcaga	tcggtcatac	ggactcggtg	30960
tcggcgccc	tggaactctc	acacagcgca	gcggccgggc	cgcccaggc	cgatgagaac	31020
aacgacgagg	gagaggagga	cgacgacgag	ctccgtcaca	gcgacccggc	gccgcttcac	31080
gagtccaaga	agccccgcaa	cgcccgcctg	ccccgcacac	gcatgccgcc	tcacgagcaa	31140
aagcccgaag	aaaacgagga	ggaagaagag	gagctgtttc	cctcctgcaa	ggcaaccgca	31200
gcattcctgc	gggcagaacc	ctccgtctcc	aacgacgacg	gcaacggcgg	cgaacgctgc	31260
gacacgctag	cgaccgccct	gcggcattgc	gccgacgaag	aagacggacc	tctagccagc	31320
cagaccgctg	tgcgggtcgc	cgcgaccccc	tcaccttcag	tcaccccagc	ccttaccccc	31380
gtcacgtccc	ccataacccc	gttgtgtatt	taacgtcact	ggagaacaat	aaagcgttga	31440
tttctcaagt	tccgctctgg	ttttggtttc	gttttcaaag	ggagcccat	catggcccaa	31500
ggatcgcgag	ccccatcggg	cccgccactg	cccgttctcc	ccgtggacga	ctggctcaac	31560
tttcggggtg	acctgtttgg	ggacgagcac	cggcgcctgc	tgctcgaaat	gttgacccag	31620
ggctgctcca	actttgtggg	gctgctcaac	tttggcgtgc	ccagccccgt	atacgcgctg	31680
gaggccctgg	tggacttcca	ggtgcgcaac	gcttttatga	aggtaaagcc	cgtggcccag	31740
gagattatcc	gtatctgcat	cctcgctaac	cactaccgca	acagccgcca	cgtgttgccg	31800
gacctgcgca	cgcagctcga	cgtgctgtac	tcggagccgc	ttaagacacg	gctgcttaga	31860
gggctcatcc	ggctctgccg	cgctgcgcaa	accggcgtca	agcccaggga	catcagcgtg	31920
cacctgggcg	ccgacgatgt	gacattcggc	gtgctaaaac	gagcgctggg	ccggctgcac	31980
cgggtacgcg	acgcgctggg	gctgcgcgcg	tctcccaggg	ccgaggcgcg	ctatccgcgc	32040
ctcaccacct	acaacctgct	gttccaccca	ccgcccttca	ccacggtcga	ggcgggtggat	32100
ctgtgcgccg	agaacctgtc	cgacgtaaca	caacgtcgca	accgaccgtt	acgctgcctc	32160
acctccatca	aacgcccggg	ctcacgcacc	ttggaggacg	cgctaaacga	tatgtatctg	32220
ttgttgacgc	tgcgacactt	gcagctgcga	cacgcgctgg	agctacaaat	gatgcaggac	32280

tgggtggtgg	aacgctgcaa	ccggctttgc	gacgcgcttt	acttttgtta	cacgcaagcc	32340
cccgagacgc	ggcagacttt	cgtcacgctg	gtgcgtgggc	tggaacttgc	gcggaacac	32400
agcagtccgg	ccttccagcc	gatgctgtac	aatctgttgc	agctactgac	gcaactgcac	32460
gaggccaacg	tgtacctctg	cccgggatat	ttacatttca	gcgcgtacaa	gctgctgaaa	32520
aagatccaat	cggtctcgga	cgcccgcgag	cgcggcgagt	tcggggacga	ggacgaagag	32580
caggagaacg	acggcgagcc	gcgcgaggcc	cagctcgatc	tcgaagccga	tcccacggcg	32640
cgcgagggcg	agctcttttt	cttctccaag	aacctgtacg	gcaacggtga	ggttttccgc	32700
gtgccagaac	agcccagccg	ctacctgcgc	cgacgtatgt	tcgtggaacg	gcccgaacc	32760
ctgcagatct	tctataactt	ccacgaaggc	aagatcacca	ccgagacgta	tcacctccag	32820
cgcatctata	gcatgatgat	cgagggcgcc	tctcggcaga	cgggcctgac	acccaagcgc	32880
ttcatggaac	tcctcgacag	agcgcctctg	ggccaggagt	cggaaccgga	gatcacagaa	32940
catcgcgatt	tatttgccga	tgtttttcgc	cgtcctgtga	ccgacgcggc	ttcttcgctg	33000
tccgcgtctt	cgtcgtcgtc	ctcagcatct	ccgaattctg	tttcgctgcc	gtctgccagg	33060
tcgtcatcca	cacgaaccac	cacgcccgcg	tccacgtaca	cctcggcccg	gacttcttct	33120
accacgggtc	tcttgctctc	ctcttcttcc	ttgtcggggg	cacacggcat	tagctccgcg	33180
gacctggagc	agccgccccg	gcaacgacgc	cgcatggtca	gcgtgaccct	cttttcgccc	33240
tactcggtag	cctacagcca	ccaccgacgt	caccgaaggc	gacgcagccc	accacccgca	33300
ccccgagggc	cagcccacac	acgcttccag	ggacccgaca	gcatgccgag	cattagctac	33360
ggcagcgacg	tcgaagaccc	gcgggacgat	ctggccgaaa	acctacggaa	tctctgaacg	33420
cggtttttcc	tctttttcta	cgtgtctgtc	tcaggacgag	atgtcgatat	caataaaaat	33480
accgtcgacg	tggttttcta	acagtgtggg	tttctttatt	gaccagcgga	gtacacagtt	33540
tacgagtaaa	aaagacaggg	aaaggttata	taaaatgctg	tattatatac	aaaaacatgc	33600
acatagacaa	acgggaccac	cgtgctcgtc	atcccctcct	taatcagtta	ttcatgtagg	33660
cgtgtggcgg	ggtgaggggc	ggcatgccgt	tggcggcgcc	aggaataatg	tgccgtcgac	33720
cgacgtcgca	caccttgaaa	cgccgtcggc	gcacgcagcg	gtcgcaggac	gggatatccc	33780
agaggaagcc	catgtaagtt	tcggggctct	cgtcgtgaaa	gcggtaggag	agttcaaagt	33840
ggtgcaacga	gcccgtccga	gctcgcagct	tctggcgaac	accctccacg	tcacggtgct	33900
acagcgacag	tgctgggctg	tcacacaggg	cctgaagctc	ctgcggccac	aggtgcgtgg	33960
ccaggggcga	gtccgtcgtc	accagtttga	cgcagtgcac	caggttctcg	gtgatggcgt	34020
cgtacaggcg	actctcggcc	tcctcgtgcg	tcacacggtt	tcgaggcagc	gacagctcgt	34080

cgtcgtcatc	ctcgtcaaac	atgatcatgg	ggtcaggggt	ttttttggga	tgttgacagg	34140
tgggtgtctt	ttccagacgc	acgatggcct	cacgccggcc	gctgaaacgg	tggtttcggt	34200
gtcccttctt	tcccatgacg	caggtgaaca	taaccacgtc	ctcggccaaa	cggtagacgg	34260
cgtccatggc	ggggtcgtag	ccgtagacga	cgccgaaagt	gtccaccaag	acgtactggc	34320
gtacgaggaa	ctctttgctg	tctggcacct	cgtggcccag	cgcgcccaac	aactggtggt	34380
aacaggtgat	gcgcggcacg	gtacggatca	tgagctccat	ggctctggatg	ctgccgcccg	34440
cgcggaacgc	gctgaaggat	gtttccttga	acttcataac	ctctgtgttg	tgggtccaga	34500
aggcgaaatg	ggtgtcggga	cactcatcga	aagggtcgtc	gatgctgtag	gaagcgtagc	34560
cccgtttggt	cacctcggcc	gacaggctct	ccacgtcacc	gcggtagagc	atgacggcgt	34620
tccagtagtc	gtcgtactgc	accatggggc	gctggtagtc	gcgcatagtg	tggaagtggg	34680
cgcagtgcgc	aaagccatgc	cgagaaaagt	ccttcattgg	ggccgccagc	tcgtagacgc	34740
agtcgcgcag	gtcatcgtag	cagtagatgc	caccgcgctg	cccgatgagc	acgatgagtt	34800
ggtaacgcat	aaagcccggg	ccctcgacga	aaccaaaggg	gtgcaggtac	tcctgacagc	34860
agacgtaagc	acctggtgga	gaaatgagaa	aatccacgc	acgttgaaaa	cacctggaaa	34920
gaacgtgccc	gagcgaacgt	cctctttcca	ggtgtcttca	acgacgtggg	gcttaccttg	34980
cgaacagacg	gtgcccattc	tgcccacgaa	gggccccagg	gcgctgcgcg	aacggagctg	35040
gatgaagcag	cggttcgggg	aggccacgtg	cagccgggtg	ccgcattcct	gctccagaaa	35100
gtcgttgaga	ccgttaaagt	ccccggctcg	gatggcgatg	cagccgtagg	ccatcagcgt	35160
gtcccgtagg	tcgtccatga	cggactcctc	taccttcgct	cgccgacgct	gcgcttctcc	35220
agccaccgct	gcggtcgaca	gactccttcg	tccgccttcg	gagaactacg	gcgcggcggc	35280
acggccttta	tagacactat	cagcgttgac	gtcagacgat	ccgatgaacg	tcgttttttg	35340
tgctggaact	tccctcgtcc	cgacaaatgt	agcggaaatc	ttcaagcaaa	tcgcgacgaa	35400
gtccgatgag	gaggatgcaa	aagaggctga	gcaacgcgat	gctgcccggc	gccacagtac	35460
atatgtctca	caacgcccg	tgtcccaacg	cgcgactttt	ggctcggagc	agagccgaac	35520
ggcggtttct	ccacatcgtg	gatagcgtga	tccaatactt	ccatccttca	cattccggtg	35580
tccacatggg	aagcgacgtc	acgttagttc	ccgtaaacgt	tgagtttctt	tttttgtttt	35640
tcgtaagctt	aagggttctc	ctaagaaacc	gcgggcacat	gtcttgtaga	aagatgtaat	35700
cactttccgc	gtattttgtc	agtattaaca	tcacagtggg	agtgttttcc	aaagaagtga	35760
cgttactagt	aacgttggtt	tcctcccaat	gtacgtatga	ttcaaacgga	ctcgtatgtg	35820
ctaccgcttg	caacacgtaa	ctgtggccgg	tgaagttgag	catcaattgt	cccacggtaa	35880

cattggtgtc	atttgtaaaa	cacgcgattt	ctccgcgaac	ttccgtgacg	ttggtctcac	35940
gactctcgtt	caacacacgc	aggggaaacc	agccttccag	gtgatactga	aaaccaaatt	36000
taagcatgac	gctgtgccat	tgccgtcgtg	attggttaaa	cgttacattc	aagggtagtc	36060
tggcttcggt	cccgaacacag	gggccgttgt	agatttgctg	attattgcac	gtgcagttaa	36120
actgacagtt	catactcgta	gtgttggaag	tgacgttaat	gtccgtgccg	tggtacgtac	36180
agcggaccga	aacaccgtgt	cccgtgctcc	aaaacagcgt	caacaacagc	cacacagaca	36240
cctacgtggg	gacgatacgg	gactttttat	tgacggagac	tcacgtttct	accctcccct	36300
ttcccgtagg	taaaaaccca	cgtttatcac	acacgttggt	tttacctgaa	acccgcgcag	36360
cccgtggacg	cgacaaaaaa	ccgcggcact	agaaagaaaa	tgaacaagt	atgtttatta	36420
agcagcatgt	ggggctaata	ggggggataa	ctgaggtata	gcaactatga	aaaaatacta	36480
caaaaaaaaa	agctgaacat	ggtcatctag	cagcaaagtt	ctccttctag	accacgacca	36540
ccatctgtac	cacgtcgccc	tccccggccg	tgtacacgac	atccttcacc	acgaccggcg	36600
gcagcggcgg	cgacgaggac	aactcgctct	cgatggaggc	cgggacgaca	gaggacgggg	36660
gggtggtggc	ggcggaggac	gaaggggtgg	cggcggcagc	ggggtcttct	tccgacacgg	36720
gcgacggcag	gctcggcggc	gcggacagca	cccgttgctg	cggggcgtga	gaaggctgag	36780
ccccggtggc	ctggatgtgg	gccaacgaat	tggctcgcag	cgagtcgcga	tccacgaagg	36840
tcataggaat	cttcccttcg	cggatccgcc	gctcagattc	caggatggcg	cgcacgtagc	36900
tgttcaccga	tttggcaaaa	gtgcgcggcc	cctccgtatt	cttgtcgcga	cgcgcttcca	36960
gcacttgctt	ttcgtagtcc	agctggtgga	agaccatcac	cagatcgtcc	atagtgtgcg	37020
cgtgctgacg	gacgtgggaa	cgcacctcca	ccgggaacaa	agcgttccaa	tactccagca	37080
cgatggcacc	gtgccagaac	tgcgccatgc	tgggcgccag	gaaaaacagg	ataccggagt	37140
cgtaggcgaa	cacgtcccac	ttgggcgtca	tgaacaacac	cagctgacgc	gtgggccgca	37200
ccgaagcttc	ctcccaggcc	tcgatgacct	cgaacatgat	gagctcctgg	tccaacgggg	37260
ggcagtgtcg	ctccagccaa	ctgatcttgc	tcaggttcat	ctgcaaaaac	tcgtaagagg	37320
ggtcgcagat	gcacacgtag	agacccgagt	cgtgccgcag	cctgggtccg	cgcttcatca	37380
gtttcctcac	cgcgtagcga	agcgccacct	tgcccaacgc	cgacgcctgg	atcagtcccc	37440
ccacgtccat	ctgcgtctgt	cgccactcgg	cctcgtccag	caggctcatg	atagcggcgg	37500
tgctatgcgt	ggtcgtagtc	atcctttcta	tccttctcta	tgaatagcag	caatagcggg	37560
aaagtccctt	cttatactat	cccggagtct	gtggtttttt	tgtttacccc	tgcttactgg	37620
tgagactgct	gggggccggt	gtgctgcagc	agccgagctc	gtcgccgccg	ttgccacagg	37680

aaccggtgcc tccgcagggc ctttttgagg gcctcgcagg cttctcgcgc aagtcctgag 37740
aggccctcgg cgtcgatggg gttcacctcg ggcgtccgag cctcgttttc ttcttcttca 37800
tcctcccttt cctcctccgt gtctcccg cctgtgtcct ccgttacgct ctctccccg 37860
gcctcggcca agagcgcggc caccaagtcc acggaccgct cggctctccga gttctcaccg 37920
tcaattacgc catgttggcg gcgtaaccgg tgccgagaac gccgggtgag cgcacatgct 37980
tttttctttc ttaaccaagg cgggagagga tcttcaaggc gttttcgctg gatccagcgg 38040
tagctaaagt accaaaaggc cagcaggccc acgctaccta acagattcac gtagactgga 38100
gacataatta aagaaagaag tgaaaccgc gtgtgggtct cacgtcgtct tgaaacaccg 38160
tcttatatac atgaagatgc cggacatgac gcgcccaaga cacgtggggg tttcccctta 38220
ggcgaccggg tttcttaaga tgtttttcat cttcgcacgc gatgtactac atcaaagggt 38280
cggctgaccg accgcattga cgcagtttcc gagtacgcgc gtctcggagc acctgacggg 38340
gagccacca gctcacgcgg ataggggaca aactgacgt gaggggcgat tccggtcact 38400
gacgggtgac aggaataaga cgggtgagga atttcacact ttttcttaag tgtgactctc 38460
cttacggtaa atcgcacctg tgacctetta acccctctc cctgggtacc aataacagtg 38520
aaaaacacac accacacgtc acgacaccga tcgattttct ttattcttag tgtgatgata 38580
ggtaagggca ctcgtgagga tgtgcaatta tcattatcaa gcctttttca aggcgtagtg 38640
atgatcggtg ggcagaacc ccaggctcct agcgatctgg gaatagaagg aggagaacga 38700
ccccagggcc agaatgccca cagtgtacat ggcccaggtc tccagaccga acgtggcggg 38760
tcgcagcttc agatggtagg ccaccgcctc cgagagttgt gaatgctcgt tcaggcaaca 38820
ggactgcaga tgggtgagtc caaaagcgct ttcgtttacg ccgcgcacgt gcaccgtctg 38880
ggccgggcaa tcctgggtgt gcgcgcgaaa atggtccagg caggagactc cgtctgcacg 38940
gcggcgagtg ttgttacc ca cttcgatcaa cagcgtgtta acggcaagat gacgcgagaa 39000
cgcgacggcg gtgttggtgg aggtctggcg gcagcagtac acgtcgagtg tcatgagggc 39060
catgtcgctt tgggtgtaca cggcgtaacg ccaaccctgg aacacgagcg gacataacgg 39120
accgtgagcg gacgtcacgc cggcggttgt taccgtcgtc tcggcaggag aagataataa 39180
actcctgatc ctcatacaca ggagtccaag cgtcagaatt aaagtccgcg gagccacaac 39240
cgcgcaagtg aagccgatac gagtgttgct gaatttgctc attctgccga ctgttgccca 39300
cgagcgttcg gaggcggtgc cacaggctgt tggccattaa aaagtcctgg cccgaatgac 39360
gacgagacag agcccaggc gaagaaaaag acgcccgtca tgaagacgta ggcaggggaa 39420
ttcccatatt tttatggctt cttttaaaag tctgtatccg actccatccg gcgcttttcc 39480

caaaccgtgg	tctcctcgtc	gtccgactcg	gtacccagga	ggtaggtaagt	cttttgccgc	39540
acgtagaaaag	ctttcaacgt	ggagcaaaaag	atgagaataa	agaccccaaa	aacgaaacaa	39600
accacgccga	tcattgccgat	gcagacgttc	atgtcgacgt	agccggcggt	gctgttgcca	39660
gtgcggcaaa	agagtgtcat	gtcgtacgtg	cacaaaaaac	aacacacacc	acaggccagg	39720
tcgtagcgta	gttattattc	cgtagcagca	atgatagtac	agtcaagcac	atgctctatc	39780
cccgttacc	cgatgatgag	gaaacccccg	ttgttgatt	ggcactgtcc	cgtttaatca	39840
ccacggtgaa	caccacggcc	aagaaaatga	tccctaatat	agcgaccact	aagagagcaa	39900
aagtccattt	ccagccgttg	tcaaagtacg	cccccggtg	gggatgcatg	gtggcgggca	39960
ttccatcat	atccatgtcg	aacgtgtgtc	gcggcgacgg	cgaactaacc	aggcagtacg	40020
ggggtcgata	gggcgggtgg	ctgcagtcgg	gtggtggcgg	cgggtggcgtg	gaaaccgtcg	40080
tcgggcacag	acccatggcc	tgctcgtagg	tggggggcgc	gtcgtcgtga	tcccggtcgc	40140
ggagcatcgg	cgtgggctcc	atgtcgggtg	cagtgcgggc	gacggtggta	actgtgggtg	40200
agacggtacc	gacggcgtcc	gcggttcacc	ttcgagcaaa	gagccccttc	tttttgcgca	40260
aacgacggca	aaacagttct	ctgggacagc	cgggtggcgcg	gtaagcgggt	gccacgcttt	40320
caggggtggg	aaaacagtcg	cgggcaaagc	agtaattgtt	gcagaaccgc	aagaaccgga	40380
cgcgaaagaa	gccagaggat	ccgcgcgcc	gaaagtgcgc	ctgccgcgtc	tcgggatgca	40440
cgcgaagac	ggcgccgctc	tcgttcacca	gtatggagat	gtccaggcgc	tgctgcgact	40500
ccaccggcac	ggcccgcacc	acaataacct	gcagcacgtt	cagcgagcac	gtctctttta	40560
accagttgcc	gtgggcccga	tcctcgtaag	tctggctccc	gttcaagacg	accgtcgtca	40620
gcgcctcatt	accgtctcgc	cagctgaaga	tggaaaccctc	gcgcttcattg	cacaggcgcc	40680
acagggccag	caggtcgcgc	gccaacatga	actcgcgacc	cacgtcgcgc	ccggtctcga	40740
agcggacata	gcccagttct	tcgcgcagcg	gcgcgtagtt	gcgcaggccc	tcctgcacga	40800
agccgcggaa	accggaccgc	gacaccaggt	acagcgattc	caccacgggc	gagtagacgt	40860
agacgcgacc	gccttcgccg	atgagtacgg	gtagcgggtg	gcggccgatg	gcttcgcaac	40920
gactcacagt	gcccaccggc	agcaggaact	tgtcgcagca	caggaaggtc	ttctccaaac	40980
ctttaatatt	gagatgtcca	aagtaaccaa	cgcgtaacag	gtcgcagtag	gtgaagaacc	41040
aaccgtttgg	ccagctgaga	cgcagcaccg	tgccgctgac	gcgacgaacc	agcttctgca	41100
ggtccttgcg	agcgtcggag	gtgacagaac	agcgggaagg	ctcgttgacc	agctcgacag	41160
ccagcgcgtc	ctccagcgtg	cgttccttca	tctcgtcgtt	gatgctctgg	cggcgccgcc	41220
ggatttcgtc	gaaacggggc	gcggaggcgg	cgaccgacgc	ggaggtcgtc	cgaacgccct	41280

ctgtgacgct	accgtccggc	cagtcaagaa	agctaaggct	ggcgctgcgc	cgcctaaagt	41340
gtccgatccg	cgcgggacgt	cgctgagga	cggtggctgg	tctgctgggg	cgggtacggc	41400
cgcggtgtc	cgcgacacg	ttagttatac	acggaattga	gtcacgtggc	acgttgccag	41460
ctgaaaccgc	cgtcgtctcc	gccggcgttt	tctccatcac	gggaccgcgc	cgtgcgcgcg	41520
ttcccaggca	cgcgggccgc	gctctagccg	cacttttgct	tcttggtggt	agggacgaac	41580
tcgaacgtta	cagaatcctc	gctgtcgctc	tcctctttcg	cgtcggtgaa	gtaattgccg	41640
gagttgcgat	ccaaaccgcc	gcctcctcct	cctccgccgc	cgcccgatcc	acctttggac	41700
gtcaggtagc	tggtgatctt	gtgctgctcg	tatttttctt	tggaggaaag	accgtggctg	41760
tgatcaccgc	cgccgccacc	gctgctcatt	ttccgcgtac	cggaaccacc	gccgccaccg	41820
cggtcgtgct	tcttgccgcc	accgccgcca	cctcctccca	gaccgccgag	acccatgggc	41880
tcgttcatga	gatcgttatc	cagaccggg	ccgtcgatcat	gcagaccgcc	ggcattggcc	41940
agcgaagaga	ggctgccgcc	accaccgccg	ccgccacgcg	acttgccgct	gttcccgcgc	42000
taatttttat	cgaagggatc	gccacgctgg	aaagggttct	cggtgagaaa	attctccacg	42060
gcgaacagac	cgttgcggct	ggccacgtac	aacagcgtgt	cgtgctccgt	aactatacgc	42120
aacgtgcacg	gcagtttggt	gacggcgcaa	ttgagcagcg	tctggtagaa	gttcttcacg	42180
tgcacgttga	tacgcattgt	tttcacgccg	tggaaactga	cgcggttatt	ggccgtgaat	42240
tccagctcgc	tgccgtttgt	caggatgaac	ttgatggccg	gcggaccggc	gtgcaccaga	42300
atctgcacgg	tgcccgtagg	gcagggcgct	tttttaacgt	tacgcttgac	gcgagtatgc	42360
ggcccgatcc	acttaagcag	gtcggccacc	acgccgaaat	ctagatccac	gtgcacggcc	42420
gaattctcgc	tttcgcgcac	aatgtcttgg	ccgtgcacac	aggccgagct	gaactccata	42480
ttgaaatcgg	gcgcgcacat	ggagatcttg	gccgaaagg	ccgaaatgtc	ctgcacgtag	42540
aacttgggtca	ggtccttgct	ggaagtcagg	tacatgaaat	taccgagcag	cggcgtggaa	42600
ttgttaatgg	tcttgggctg	aaacgacttg	tcagtgatgt	agaggcatga	gctgttaaaa	42660
gtgatTTTTg	acacgcagtg	actgcgtacc	gtttgcaaga	taagcgacgg	cgtgggcaag	42720
aaggtaaccg	tggtgttctc	cttgagcgca	cggatcacag	atcgcagctg	ctggatagcc	42780
gtcttgtacg	gcttcagccg	cagcgccagc	gtcgggtggc	ccgagagacg	cgtcttgcca	42840
tccatcccgg	acagcgtgca	agtctcgact	aaggagcggg	cgcgagcgag	cgaaagtttt	42900
atagagagca	cacacgacga	ccgggaacgc	tgcaagacg	cccggcgtct	aataatacag	42960
ccgcgccgag	ccagcggggc	cccgactaag	aggcacagta	cttatatact	ccgaccttaa	43020
agcgccagtg	gtaccacttg	agcatcctgg	ccagaagcac	gtcgggcgtc	atcccagagt	43080

catagtagaa aaccagggcc acgcactggt ccacaaacac gctcaggttc acggccgcca 43140
tttccacgtc gttttggatc gccggcgccg cctggaacag aactgcgtc gccttgcctt 43200
cctcctggtg ctgctccaac cacgcgtaat tcaccacggg cacgcgcaac ggcctccgca 43260
ccacggtggg gaagtaacac tcacggttgg gcgggcacaa tgaccacacc gtctcctcct 43320
cgaacacggt gccgcgcgaa gcccatactg acggcgctac gcccacaga tgcgccacct 43380
cgtcgtcggg acccaccgcc agaaactgac agttgcgcaa tccgaactcg agcatgtcgg 43440
cgcgacgagc ttcccagcgc gcgctggcga tggagagccg cggcaaccga tacaattcga 43500
aatgaattt gccctcttga tagatggtgc gttcgaacca ttcgcagcgt ggcaaaccg 43560
acttgacaaa atcgacgcta gcgcgcaccg cggcaaagta catgtgctca aagatgcgct 43620
cgatcaagtc ccaagaggca aagtacgtaa accctaaccg cataagcgcc gtgtgcaggc 43680
cagccacgcc gatgtgcagc ggacgcagtt tttccagcgc gctctctacc caccattcgg 43740
acgccgacat tagcgcgtcc aagcgcgcgt tgcccaaac caccgcctcg gtcaccaact 43800
cacgcagcac gtcaaatca aagtaacgtc gcgtgttccc caaaaccacg tcgggtagat 43860
gcagcttctg ctcgtcgcta cgcgcaaaca cgcagcgagc cacgttcacc gtcagccgct 43920
gcaccggcat gtcacactcg ccaaagtggc acgacgccat atcgggactc aagcacggcg 43980
gcaggcacac gctgtcggcc ataatcgagt acttgactac gtgatggaca aagaccaccg 44040
aggcacggcc cttgagcgcg cacagcaaca tctttttcag aaaatcgtcc gtgttcacga 44100
ccaccttggg gcacgattgc tcgcagcgcg aatactcttt ctcgaaagcc gactcctgac 44160
ccaggtccga gagccgccgg gagacaggcc gccgaacag cgagtagcgc tgctcacgcg 44220
cacggtagcg cttcattaac acgctaggca cgttgaaagc gtagcaaacc cccgtcaact 44280
ccgacgtgct ttctttgaga ataaagttga tcacgcggat agcagccacg tcccacatgt 44340
ccacaaacac acgtaccacg ggtcgatgca cctccttctc gcgtatcaaa tcgcagtatc 44400
ccccagaca acgaatcacg ctgttcacat cggcgtaaag tcgcgttacg ttcaccgaca 44460
cagaaacgcc gcaactcaag gtgctcatcc atttgacat agccgcccaa ctggcgctcac 44520
gcgaaaaagg gtcggccgag atcagaaagt cgtactgcgg cacgcgatcg aaaccacgg 44580
tagacatggt gaaggtggac agcgacagct gccatcgcg acagcgcttc aacaccgatt 44640
ccaacacctc gccctcgaaa cgcgcatcca gatggaaacg atagatgcgc gagtgcctac 44700
tgttctcgat agccgccgtc aacgccacgg cgatgcgcaa aaacacgccg cccggactct 44760
cgtcctgtcc gtgcagttgg cgacacacct tatccaaaca caaatggcc gcgtacaagc 44820
cccagcaacc ggccaattcc aaaaaacgcg cgtctcttcc ggccagcttg ggtagatcct 44880

ccatgtgacg	cagcaca	cggcgcaccg	actcatcgc	cagctccgaa	gcgtaacaca	44940
gtggcgtg	gctttcgcgc	gccagttgg	ctttgaaata	aaagcgaccc	aacagcagat	45000
cgcaacgcgg	cgagtgcga	atcagacagg	gaccgtggcg	catgatgagc	tgaaacagcc	45060
tgaaactgcc	caaaccggca	ctgtgtcgcg	acacggtgtc	catctcgcgc	cacaacgcgt	45120
tctgttcaga	cggcagctcc	cgcgccgggt	cctgtacgcc	acaaaagcga	aacttgcccc	45180
aatagccgtg	acaatgacac	tttttgccca	tcaacatgcg	cgtagcctgt	atcggcgggcg	45240
acactttgca	gagcgaagcc	ccgaaatcgt	cctcctcctc	gacactgtcc	agctccatcc	45300
tggtcgcgcc	ggtcggattg	aaggtgctca	gaccgctact	cacgcgtcca	ccacgactgg	45360
gcacggcg	accgctatca	cgcg	tcaacg	cggcgtgccg	tcgggagacg	45420
gcgactcg	acgccaactg	acgacgcgc	caccactcgt	aaaaccgcgt	acacacgcta	45480
cgccgctcga	cacgttggt	ttttcagcgg	acgcttcctt	gtcacc	ggcagcggcc	45540
cttcctcgag	ctcgtgtca	tctcccccg	tagtatcagc	gacggcctct	gccgacgatt	45600
cctcgtctc	gatttccgcg	ccg	gaatcctacc	tg	cgatacacgg	45660
gcaccgagga	caccgcgtgt	tcctcg	cgtcagccgg	agtcataagt	ttacgaggaa	45720
aagaacaaag	aatcaggt	gatttcaata	aagtgtgtct	atatggcacc	gataactacg	45780
gtttataaag	tctgtgtgcg	ctgtgtttat	tttttcttct	gtgtctcctc	ctcgtatgct	45840
gtcagcgccg	ctcagacgaa	ttctcgaaag	tctcccaatt	cgacgctaaa	gttgtccaaa	45900
cggacgacgg	acagtttgag	ttctttgtgt	accaggaacg	aggtgtgaat	gtcgtcagcc	45960
aggcaccagc	ccagcttttg	tataaccccg	gtacacagag	ggatctggcg	tgggcgcgtg	46020
atgcgacggt	tgacaaagct	acagcgctcg	cgggcgaact	ttccgcgtgc	aacgtcgacc	46080
agggctctgcc	aatgtg	gctggaggtg	agcacgtaga	tgccgggacg	tgtttcgggc	46140
ccgtcatagt	catagacgat	gattaaatac	acgtattgca	gccgtccccg	ggtctcttcc	46200
cacgtcaggt	acatgtcttt	cggtatcatc	aacgcgaaca	cctccgtttt	gagcgtgttg	46260
taaaggtagc	cgcgcatgac	gcaggtgagc	aacgaggtga	tgcccagcga	gacgggtcttg	46320
acgcagccca	gcgtctcgag	gcggcggtgc	agcagatgcg	ggcccaggtc	cagccactgc	46380
agcgcggcgc	gcgcggccga	ggccgtgtac	acgctttcga	gcaggcagcg	cgtgctggcc	46440
gagacgttgg	aggcg	gcctaacagg	tagaggctaa	tgtagaggtg	tcgcggcgag	46500
tcgcaacc	tctccatgcg	gatgagcagc	gcgcccgggt	gcgcctcgaa	ctctaccagg	46560
ccctcgggca	cgaagaaacg	cgccgtgagc	gcctgggtgat	cggcgtggta	gaggtagcgc	46620
accgatatag	tatttacctc	gcgtttgggt	ttgagcgccg	tcactagttc	attgtcctcg	46680

tcggccgggt	cgcgcgggccg	tttggccacc	gcgcgcgcgt	ccatgatggc	aaggcgcacg	46740
gtagatttca	aaaagttgat	agagcagctg	cgggcacggg	ccacggacaa	agcggaggcg	46800
ttaaataccg	tgagccaatt	ggagatcggc	gcggtggatg	cccaggacgt	gaccgcgagc	46860
gccgtgcgcg	ccttcgtggg	tgcgttgccg	agctcgggtt	accactttgg	cttcgtgcgt	46920
cagaacgtgg	tcttttacct	cctaagccac	gccacggtac	agacggcgcg	cgacccgctg	46980
tacgccgccg	agcagttgca	cgaacagctg	gaccgcttcc	tgcgacacca	gcacgacggc	47040
ggcggagacg	aggaccgggt	gccgttctac	cacaacgggg	ccacgctgac	ggctttccag	47100
aagctgttgc	agaccctgcg	cgagatccag	accgtaatag	ccgaacagag	cggcggcacc	47160
gcggcggcgg	cggacttgat	cgccagtaac	aacgcgtcga	ccgagcgccg	cggcaagaag	47220
ggcggttcga	gttccggggg	ccagcagccg	ctggttcgcc	gggtgatcac	gcagctggaa	47280
acggctgcca	cggaggcgcg	gccctacatc	aattgtcgcg	ccgtggccga	actcctggac	47340
ctgacctacc	agcggctcat	ctactggggc	tgcacgctca	tgccctacgt	gttgtttcgg	47400
cgcgacaccg	acaccgaact	ggacacgggtg	cttctgatgc	atTTTTTTta	cacacactac	47460
cgttcggtta	acggcgatTT	ggccgtggag	tttcaaaact	acgtcaagaa	cagcgtgcgg	47520
cacatgagct	ctttcgtcag	ttccgatatc	gacggcgacc	agaagcccgg	tgccgaacac	47580
atgcgtgacg	tcagctacaa	gctgttcgtg	ggtaatctgc	aggcgcgtga	cgccagcggc	47640
ctcatgtttc	ccattattag	cacgcgcatac	tccaccgtga	acctttacct	gtcgcccgaa	47700
cgtatgtttt	tccacccggg	tctgatctcg	cgtctgttga	gtgaggaagt	ttcgccgcgc	47760
gccaacctag	acgcttacgc	gcgcgtgtgc	gatcgcgctg	tggaagacca	cttgcatacg	47820
ccgcgacgcg	tgcagcggct	actggatctg	acgcagatgg	taacgctact	ggtggaactg	47880
ggtttcaatc	acgatacctg	cgcggcctac	gcacaaatgg	cgctgatcca	gccggccagt	47940
cagaagagct	cgctctttgt	cagcgagatt	cgcgagaaac	tcatacagat	tatctacaat	48000
ttttacacgt	ttttcatgtg	cctctatgtg	tacagcccca	cgttcctggt	cgaccaccgg	48060
cggcggttga	ttttggagca	gcatcgatcc	acgttgatcg	gctccaagga	ggaactacag	48120
cacgtctgga	gcaacgtgac	gctgaacgtc	aatacgcact	ttgcggttca	gtacacggaa	48180
gaagactttg	aggcacatac	gaaggggtgcc	acggaggcag	agcgcgagta	cctgtatcgg	48240
gacctgcaca	gcaagtgggg	cgtgcacctg	tttaccttgc	gtccgtctcg	cggcgcggcc	48300
ggcgcggcct	cgcctttgcc	tccgcttgac	ggcgtcacac	gctccgacat	cttacgcgaa	48360
tgcgcgctcg	ttaatctgaa	cgaaggccgc	gtcaactacg	cctccctgct	agccttcagc	48420
catcatcccc	agttccccag	catcttcgcg	cagttggtgg	tggttaactga	atTTTtcggag	48480

atcttttggt	tcccgaggg	cctgtttcaa	gccgtgggtt	cgccgcgtct	tttcgcgctc	48540
attcagctgt	gtcgtgtatt	gttgcccgag	caggtgacgc	tgtaccagaa	cctgggtctcc	48600
atttacaacc	tgaccacctt	tgtcaagcac	atcgacgccg	cggtttttta	gacgggtacgc	48660
gattgcgtct	tcgacatcgc	cacgaccctc	gagcacctca	gcggtgtacc	cgtcacgccc	48720
aatgtggacc	tgctggccga	gctcatggcg	cgctccgtag	cgcataacct	gtacaccacc	48780
gtcaaccgcg	tgatagagga	cgtgatgcgc	agcagcgccg	gcagtctgag	aaactatctg	48840
cgacacacgc	gactctgttt	cggtctggcg	cgcgccggg	cgcgctctc	ggaggacggc	48900
gtgacgggtg	acgtggaggt	acagggtcag	tacggactgc	gcgtacctac	cacgcgtttc	48960
gtagaacagt	tgcgcgaaact	ggttcgccgc	gatcggtgtg	tggccgagaa	tctgcgcggc	49020
ttaaaccgagc	gcctgctgag	tgttcgcgtg	cgcgtagctc	agatcagcag	cgacacagag	49080
gaagtaagcc	gacacgcaa	gggtcaccgc	acggtggccc	agatgagcaa	ggcgctcaaa	49140
aagacggcct	ccaaaatcaa	agtgttgga	acacgcgtga	cattggcgct	cgagcaggcg	49200
caacgttcca	atggcgccgt	cgttaccgcg	gtgcaacgcg	cgctagccgt	ctttgacgta	49260
ctaagtcgcg	agaacttgga	acgcccgggc	gcacagctct	gtctgacgga	agcgacgagc	49320
ctactgcacc	gacatcgcg	gctagcgccg	atgacctggc	ccgcgggcac	ggcggttgcg	49380
gcggcgggccg	aagcggatcg	cgcttacgc	gagttcttgg	aggcgccctg	ggaatcgggc	49440
ccccaaccgc	cgcgactccg	catgacgcc	gacaccgatc	acgaagaatc	gacggcaggc	49500
gcgacgtccg	taccggaggt	cctgggtg	cgctacgaac	ccgcacacct	ggccgcgagc	49560
gacctattaa	actggtacat	cgtccccgta	agccaggcgc	agcaggacat	cttgtcttcg	49620
atcgacccgc	ccgccggctc	gacatcggtg	tccctgccgc	cggcctcgcc	atgaaagtca	49680
cgcaggccag	ctgccaccag	ggcgacatcg	ctcgctttgg	agcgcgagcg	ggcaatcaat	49740
gcgtctgcaa	cggcacatg	ttcctacacg	ccttgcacct	gggtggaacg	agcgccgtcc	49800
tgcagaccga	ggcgctggac	gccatcatgg	aagagggcgc	gcgtctggac	gcgcggctag	49860
agcgcgagtt	gcaaaagaag	ctgcccgcg	gcgggcggct	gccggtctac	cgactggg	49920
acgaagtgcc	gcgccgctg	gagtcgcggt	tcggccggac	cgtgcacgcg	ctctcgggc	49980
ccttcaacgg	caccaccgag	acgtgcgacc	tggacggcta	catgtgtccg	ggcatctttg	50040
actttctg	gtacgcgcac	gccaaaccgc	gtccaccta	cgtactcgtc	accgtcaact	50100
cgttggcg	cgccgtggtc	ttcaccgagg	accacatgtt	ggtctttgat	ccgcacagct	50160
ccgcggaatg	tcacaacgcc	gccgtgtatc	actgcgagg	tctccatcag	gtgctgatgg	50220
tgctcacggg	cttcggcg	cagctatcgc	ccgctttcta	ctatgaggcc	ctttttctct	50280

acatgctgga tgtggcgacc gtgtcagagg ctgagatcgc cgcacgtttg gtctccacct 50340
 atcgcgaccg cgatatcgac ctcaccggcg tcgttcgaga aagcgcggac acggcggcga 50400
 caacgaccac cgccgcacct tccttacctc cgctgcccga ccccatcgtc gaccggggt 50460
 gccctcctgg cgtggcgccc agcattcccg tctacgatcc ctcgtcctca cccaaaaaa 50520
 cacccgagaa acgccgcaag gacctcagcg gtagcaaaca cggaggcaaa aagaaacccc 50580
 cgtccacgac gtccaaaaca ctggccaccg cctcctcctc ctcagcgata gcggcggcct 50640
 cttcttcgtc cgcggtacca ccgtcctaca gctgcggcga aggggccctg ccggccctgg 50700
 gccgctacca acagctggtc gacgaggtag agcaggagtt gaaggctctg acgctgccgc 50760
 cgttgctgc caacaccagc gcctggacgt tgcacgcggc gggtagcgaa agcggcgcta 50820
 acgcggcaac ggccacggcg ccgtccttcg acgaagcttt cctcaccgat cgtctccagc 50880
 agctcatcat ccatgccgtc aatcagcgct cgtgtctgcg tcgcccctgc ggtccgcaat 50940
 cggcggcgca gcaggcggtg cgcgcctatc tgggcctatc caagaaattg gatgcctttc 51000
 tgctcaactg gctgcaccac ggcttgatc tgcggcgcat gcacgactac ctgagccaca 51060
 agaccaccaa aggacgtac tcgacgctgg atcgcgcact gctggagaag atgcaagtcg 51120
 tcttcgatcc ctacggacgt cagcacggcc cggcgctcat cgctggggtg gaggagatgc 51180
 tacgctacgt ggaaagcaag cccactaacg aactgtctca acgactgcaa cgtttcgtaa 51240
 ccaagcgacc gatgcccggt agtgacagct tcgtctgcct gcgaccgta gactttcagc 51300
 gtctgacgca ggtcatcgaa cagcgacgtc ggggtgttgca acgtcaacgc gaggagtacc 51360
 acggcgttta cgagcacttg gccggcctca tcaccagcat cgacattcac gacctagacg 51420
 ccagcgatct gaaccgacgc gaaattctga aagcgctgca gccgttgga gacaacgcca 51480
 agcaggaact ctttcgcctg ggcaacgcca aaatgctaga gttgcagatg gacctggacc 51540
 gtctgagcac gcagctgcta acgcgcgtgc acaatcacat cctcaacggc tttttgccgg 51600
 tagaggacct gaagcagatg gaacgcgtcg tcgagcaggt actgagactc ttttacgacc 51660
 tgcgcgacct gaaactgtgt gacggcagct acgaagaggg atttgtcgtc atacgcgaac 51720
 aactgagcta cctcatgacg ggcactgtgc gcgacaacgt accgctactg caagagatcc 51780
 tgcagctgcg acacgcgtac cagcaagcca cgcagcaaaa cgagggtcgc ctcacgcaga 51840
 ttcacgacct gcttcatgtc atcgagacgc tgggtgcgcga cccgggcagc cgcggctcgg 51900
 cgctgacact ggccttggtg caggagcagc tagctcagct ggaagcgcta ggcggcctgc 51960
 agtaccgga agtgcagcag cgcctacaga acgcgcaact cgcgctaagc cgcctctacg 52020
 aagaggaaga ggaaacgcag cgtttcctcg acggactctc gtacgacgat ccgcccaccg 52080

aacagaccat	caagcgacac	ccacaattac	gcgagatggt	acgtcgcgac	gaacagacgc	52140
gtctgcgact	catcaacgcc	gtactgagca	tgttccacac	attagtgatg	cgactggcgc	52200
gcgacgagtc	gccgcgaccg	acgttttttg	acgccgtcag	tttgttgttg	cagcaactgc	52260
cacccgactc	gcacgaacgt	gaggatctgc	gtgccgcaa	cgccacgtac	gcgcagatgg	52320
tcaagaaact	ggagcagatc	gagaaagccg	gtaccggcgc	atccgaaaaa	cgtttccaag	52380
cgttacggga	gttggtttac	ttttccgta	atcatgaata	tttctttcaa	catatggtcg	52440
gacgactggg	cgtcggacct	caggtaacgg	aactctacga	gcgatatcaa	cacgagatgg	52500
aagaacagca	cctggaacgg	ctagaacgtg	aatggcaaga	agaggccggc	aagctcacgg	52560
taacttctgt	ggaggacgtg	cagcgtgtct	tggcccgggc	accgagccat	cgtgtcatgc	52620
atcaaagtca	acaaacgtta	accaccaaga	tgcaagactt	tttagacaag	gagaaacgta	52680
aacaggaaga	acagcaacgg	cagctactgg	acggctacca	aaaaaagggtg	cagcaggatt	52740
tgcaacgcgt	ggtggacgcc	gttaagggcg	agatgctctc	caccatcccc	caccaaccac	52800
tggaggccac	actcgagctg	ctcttggggc	tagatcaacg	cgcccaaccg	ctactagaca	52860
agttcaacca	ggacttgctg	tcggcgctgc	agcagctgag	caaaaaacta	gacgggcgaa	52920
tcaacgagtg	tctgcacggc	gtgctgacgg	gtgatgtaga	gcggcgctgt	cacccgcacc	52980
gagaagcggc	tatgcaaacc	caagcctcgc	taaaccactt	ggaccaaatt	ttgggtccgc	53040
aacttctgat	ccatgagacg	cagcaggccc	tgcaacacgc	cgtccatcaa	gcgcagttca	53100
tcgagaagtg	tcaacagggc	gatccaacta	cagccatcac	gggcagcgag	ttcgagggcg	53160
actttgcacg	ctaccgcagc	agtcaacaga	agatggagga	acaattacaa	gagactagac	53220
aacagatgac	cgagactagc	gagcggctag	atcgctcgct	gcgccaggat	cccgggagca	53280
gctccgtcac	gcgtgtaccc	gagaaaccct	tcaaggggtca	ggagctggcg	ggtcggatca	53340
cgcccccgcc	cgccgacttc	cagcagcccc	ttttcaaaac	gctgctagat	cagcaggccg	53400
acgcggcccc	gaaagcgctc	agcgacgagg	ccgatctgct	gaatcagaaa	gtacagacgc	53460
agttgcgaca	acgcgacgag	cagctgagca	cggcgcagaa	cctgtggact	gatctgggtca	53520
cgcgccacaa	aatgagcggc	ggactggacg	tgaccacccc	cgacgccaag	gcgctgatgg	53580
aaaagccgct	ggagacactt	cgcgagctgt	tgggcaaagc	cacgcaacaa	ctgccgtacc	53640
tgtcggcgga	gcgcacggtg	cgctggatgc	tggcttttct	ggaggaagcc	cttgcgcaaa	53700
tcaccacgga	ccctacgcac	ccgcatcacg	gaagcaggac	ccactaccgg	aacctgcaac	53760
agcaagccgt	cgagagcgcc	gtgacgctag	cgcataaat	cgaacaaaac	gcggcctgtg	53820
aaaattttat	tgcacagcat	caagaggcga	ctgccaacgg	cgcgtccacg	ccgcgggtcg	53880

acatggtcca	ggcgggtggaa	gcgatctggc	agcgactgga	acccggacgc	gtagccggcg	53940
gcgccgcgcg	tcatcaaaaa	gtgcaggaac	tgttgcagcg	cttgggtcag	acgctaggcg	54000
acctagaact	gcaggaaacg	ttggcgacgg	aatactttgc	gctgttacac	ggcatccaga	54060
ccttcagcta	cgggctggac	tttcggtcgc	agttggaaaa	gatccgcgat	ctgcggactc	54120
gttttgcgga	actggccaag	cgacgcggta	cacgtctctc	caacgaggga	gccctgcca	54180
acccacggaa	accgcaggcg	acgacttcgc	tgggcgcctt	tacacgcggg	ttgaacgcac	54240
tggaacgaca	cgtccagctg	ggtcaccagt	atctgctcaa	caagctcaac	ggctcatcgc	54300
tagtctatag	gctggaagac	attcctagcg	tgcttccgcc	aacacacgag	accgaccccg	54360
cgtgatcat	gcgcgaccgc	ctgcgtcgtc	tatgcttcgc	gcgtcaccac	gacacctttc	54420
ttgaagtgg	agacgtcttc	ggcatgcggc	aaatcgtcac	gcaggccggc	gagcccattc	54480
acctggtcac	cgattacggc	aacgtagcct	ttaagtactt	ggcgtgcga	gacgatggcc	54540
gacccctggc	atggcggcgc	cgctgtagcg	gcggaggact	caagaacgtc	gtcaccacac	54600
gttataaagc	catcacggta	gccgtggccg	tctgtcagac	attgcgcact	ttctggccgc	54660
agatctcgca	gtacgaccta	cggccctacc	tcacgcagca	tcagagccac	acgcaccccg	54720
cggagactca	cacgttacat	aaccttaagc	tcttttggtta	tctggtgagc	accgcctggc	54780
accagcgc	cgacacgcag	caggagctga	cggccgcgca	tcgcgtaggc	agcggcgaag	54840
gtggtgacgt	aggggaacag	agaccggggc	gcggcaccgt	gctgcgtctg	agtctccaag	54900
agttttgtgt	actcatagca	gctctgtacc	ccgagtacat	ctacaccgtc	ctcaagtacc	54960
cgggtgcagat	gtcgtaccc	tcctcacag	ctcacctaca	tcaggatgta	atacacgcgg	55020
tagtcaataa	cacacacaaa	atgccccccg	accacctccc	cgaacaggtc	aaggctttct	55080
gtatcacccc	caccaatgg	cccgccatgc	agctcaataa	actgttttgg	gaaaataaac	55140
tggtgcagca	actgtgccag	gtaggcccgc	aaaaaagcac	accatcccta	ggcaagctat	55200
ggctctacgc	catggccacg	ctggctcttc	cacaagacat	gctgcagtgt	ctgtggctag	55260
aactgaaacc	ccagtacgcc	gagacctacg	cctcgggtgc	cgaattggta	cagacgctgt	55320
ttcagatttt	cacgcaacaa	tgcgagatgg	tgaccgaggg	gtacacgcaa	ccgcagctcc	55380
ccaccggaga	gccggtgctt	cagatgatcc	gcgtgcgacg	ccaagacaca	accaccacag	55440
acacaaacac	gaccacagag	ccaggacttt	tagatgtttt	tattcaaaca	gaaaccgccc	55500
tagactacgc	gctgggctcc	tggcttttcg	gcatacccg	gtgtctcggc	gtgcacgtag	55560
ccgacctgct	gaaaggccaa	cgtgtattag	tagcgcgcca	cctcgaatac	acgtcgcgag	55620
accgcgactt	cctccgcatac	caacgctccc	gggacctcaa	tctcagtcaa	ctgctccagg	55680

acacgtggac	cgaaacgccg	ctggagcact	gctggctaca	agcccaaatc	agacggctac	55740
gcgattacct	gcgtttcccc	acccgcttag	agttttattcc	cctagtcatt	tacaacgcac	55800
aggaccacac	cgttgtagcg	gtgctgcgac	cgccctccac	gttcgaacag	gaccacagtc	55860
ggctggtggt	ggacgaggcc	ttccccacct	tcccgtgtga	tgaccaagat	gataacacat	55920
ccgcggacaa	cgctactgcg	tctggcgccg	ctccaacacc	gccggtacct	ttcaaccgcg	55980
taccagtcaa	tattcagttt	ctgctgtaaa	acccgccacc	catcgcacga	gttcagcaac	56040
cgccgcgccg	acatcgtcac	cgagcggccg	cgccgcgaga	cgacgacgga	cagatacatc	56100
acgtacaaga	cgatacatca	aggacagccg	actctgcatt	agtctccacc	gcctttggcg	56160
ggtccgtcct	tcaagaaaac	cggctgggag	aaacaccact	atgtcgagat	gaacttgtgg	56220
ccgtggcacc	cggcgccgcc	agcaccagtt	tcgcctcgcc	gcctatcacg	gtgctcacgc	56280
agaacgtcct	cagtgtctca	gaaatattgc	gactagtgcg	attggacctg	cgacaactgg	56340
cgcaatccgt	acaggacact	attcaacaca	tgcggtttct	ctatcttttg	taaccgacac	56400
tgacagtagc	gggcaataaa	aacaagagga	ttgttatggt	tttttgatat	aaaacaacgt	56460
gtcactttca	cggtgattta	ttcttgctat	tacttttccc	catgggctgt	cagcgtcggg	56520
tgcgcgacac	ggctaccatg	cgcaacaggt	ccagcttaaa	ggcgcaactg	tcgttaaaca	56580
gactggacat	gcgcgtatac	ttgctcagca	tggtggccag	taccgggtgg	gtggcctctg	56640
agatctcggt	cggcaactcc	aaaacgacgt	tgacgacgtg	acggtgtttt	tcgtcccgtc	56700
tgttggccac	cgtgggtccc	ggcgcggtgt	tagacatggg	gcaggccgtg	gggggaggac	56760
gaggaggaaa	tcgctgctaa	accgccgcgc	gcctgctgca	caatgtggcc	gccgacgtgg	56820
caggcggtct	gtttaaccag	cgcgacagcc	cgacacagcg	ggcgccgctc	ttcgctttcc	56880
aaacagctgt	cgcggtactc	gcccgtctga	cagcgcgcg	acagcaggcc	gtgcccgtgc	56940
gaagtgaggc	gcaggagacg	cgggaccgtc	acgccgcgta	ccaccacagt	ggagtcgcag	57000
gtgcgtgccg	cgcagggcag	aatgacgtcg	aaagccagcc	ggtgatcgta	cacggcacia	57060
gccgcgttga	ggcccagcac	ggctttccag	cccacgcgta	cgcagcgctg	tccaaagagc	57120
gtctcggaga	cgagctcgta	gacgcgctgc	cgcaccaccc	gctgactgcc	gcagagcgag	57180
cagtgtacga	gctcggcggtg	cgtgttgaag	atgacgctct	tttcttgacg	gtcccgataa	57240
tagaacatcg	agttgagcgg	aaaattttgc	tggcagtgta	gcttttcctt	accaggttg	57300
aggcagtgtc	cgactgccg	acagaccacg	gccaccagcg	agcgcgcgtc	cagatggcg	57360
tcgcacttga	gtcgacacag	acaccagagc	ggcaggtcga	tgacgctgcc	gatgaggccg	57420
ccgcgcagcg	cggcgctgag	tgcaaagagg	acgatcttgg	tgggctctac	gtgacgcgcc	57480

tgctgtccgg	cgcccgcgtg	tcctaccgcc	gcagctgccg	ccgtcgagcc	tcctccgcgc	57540
gtctcgtcgt	gcagaccag	tgcccgaac	ggcaccaggt	atcgcgga	cgtgtcgcaa	57600
aacgtctgca	ccgcttgctg	ggccagtacg	tagagcgggt	ttccgcaggg	taccttccc	57660
gcgtgccggc	gcaaggctgc	gatgaggccc	cgcagctgcg	gcgaccggg	ctgccgttgg	57720
tgacaccact	ggttacggtg	gtatacggcc	aaatcagcgc	gggcgtcgaa	gcgcttggcg	57780
cgtagtagtg	ctaggcacgg	cgagctggtg	gggtgaagca	cgggcagccg	aaggtccacc	57840
ccgaaaagga	aacggtgaag	gtcacctagc	agcgaggcgg	tgacaccgtc	caacaacgcg	57900
tgcagccgct	cgggcgggta	gagccgcaga	cggcgcagca	gtagtcgggt	gttgtagcgt	57960
tcgaaacgca	gaaaagccat	cgtgcggacg	gccacgggtg	gcagacagtc	catgctgtag	58020
acgtaagcga	gaaacacaaa	gtagggcttg	gtcataacca	tacgctgaaa	gagcgccgtc	58080
accgcctccc	gctcggcctg	ccgacacacc	agccattcgc	gcaggaagcg	ttggtagaga	58140
cggtcgcccc	gctcgcgatt	caaaaagcgc	ttatccgtca	cgaagagatg	aaggacgcaa	58200
gaacgtggca	cgtgatgcac	cagctgctgc	tggaggaccg	ccgacgtctg	cgccgcaaac	58260
tgcgccgggtg	gctgcgacgt	ttctaccgcc	gcttccctccg	gctgcagcgc	accgcggccg	58320
atcaccagct	gcacatggaa	atggtcctcg	tgaacgcaga	ggggcgcgaa	gagacggcac	58380
agagcctggt	ggaactcatc	agtcgcgggtg	tgcggagcgt	gtcggagacg	acgattggcc	58440
atgaccgcgc	cacagcagag	ccagcaccag	cagaagagcc	agcaccagcg	ggcccagagt	58500
cgcaaagcgc	gcgggcagcc	acggcccaga	ctgcggtcgc	gatggcccgg	agcgcgctcg	58560
ccaccacgat	gacggtgccc	aacgataacc	agtcgcgtcc	aaggacggcg	cgcacggcgg	58620
agacggcgga	tgacggtgat	gggtcgacac	ccctcgccga	cgactcacgt	gctcctccag	58680
aggccgacgc	gcggaccctc	cgacgtcctg	gcccgcgcgt	gccgctgccg	ccttcccttc	58740
tcccgccaga	gccagcaact	cctcctcctc	ttcatcagcg	tctccctcgc	ttgcgcatcc	58800
gcatcgctccc	atacaggcct	cacaacgaca	caaccgccac	gaccccgccg	ccatgggtgg	58860
cggcgggcggc	cgaggcccgg	cagcggcgcc	gccagcggcg	accatggtgg	gagagcaact	58920
cggatgacga	ggaggaggag	gaggaggagg	gggagatgcg	ctccgagagg	accgctttcc	58980
cgccgttcgc	gtgagcgcg	ccgacatgcg	ggcgcgccac	agggacggac	cgctgccgct	59040
gtgactgctt	acggtgacgt	ggttccggac	cgccaacgac	gtcgacgcgg	ctttcttggc	59100
gtacagctcg	cgcagcagat	tctcgtactc	gccctcgttt	tcgggtccga	aggcgataag	59160
ctcgatgttg	aagaccgacg	ctgaattgga	tttgcgccacc	acgcacttcg	tcagcactcc	59220
gtaggccgag	ggcttgatct	cctcgatgtc	cttgagcgtg	acgatgagcg	actcgttcac	59280

cttaagcaca	ttgaactcac	ctacgtggcg	cgccggcgaa	acgagcttga	cgggcgctcg	59340
cacaaaacag	cagagggaga	cggcgcagcc	agtgttttta	aagataaaac	aaggcacgtg	59400
gtctgtgcg	ctctcccagt	agctgagcag	atactcgaca	caatagaccg	tgtctgtctt	59460
gagcatggcg	tcgcacaccg	agtaattggg	gttttttacag	atgaggcccg	catcggtgac	59520
gcgagctcg	ctgggaccca	acttgaggat	acgccgcgtg	gcctgcacca	gacctgatg	59580
gagaaccttg	ttcatctcca	tcgcaccgac	gccaccgccg	atttatattac	ccggcgccgg	59640
ctcgtctttt	ccctccagga	ttccgttaat	gtccataagc	ttgctgacga	tcgccgttaa	59700
tagttgctc	ttctcacgga	ggatctctcc	gtgactgcag	gtcgcgcagt	cgccgtgcac	59760
gtacttgagg	aaggcggcgt	acttctgacc	cgcgttcacg	aaatttaagc	gcggtccag	59820
agagggcagc	aacagatcgt	agacgcgcgg	cagcatcggc	tcgaactgta	atagcagatc	59880
gtcgtcaaga	tcgggtagcg	cgtgtccgtc	ttcaccgtcc	tcgtcgtcac	cacctcccc	59940
ctcgagccca	ccgctcgtac	cagccgcggg	ctccgcgtcc	tcgtcgatca	ccagcggtcg	60000
cgtcggcacc	ggagaatcca	cgtcatcctg	cacgtcgttt	tcctcctctc	cgtcgtcatc	60060
gtccagaaac	ggcaccgcgt	gcttagtcca	ggacattctt	tctccgcgtc	ctcaatcagc	60120
ggcgccgatc	gccatgaatc	cgagtaccca	cgtgagcagt	aacggcccaa	cgactcccc	60180
tcacggggccc	cacaccacgt	ttcttcccc	gaccagcccg	gccccgtcca	ccagctccgt	60240
cgccgcgct	accttgtgca	gtccgcaacg	acaggccgtt	tcgcgttaca	gcggtggag	60300
caccgagtac	accagtggtc	actcggactt	gacaaactgag	ctgctatggc	acgcgcaccc	60360
gcgtcaagta	cctatggacg	aagcgtggc	cgccgcggcg	gccgcctcat	accaggtgaa	60420
tcctcaacac	cccgccaacc	gttacgtca	ttacgaattc	cagacgctca	gcctcggcac	60480
ctcggaggta	gacgaactgc	tcaactgctg	tgcggaagaa	accacgtgcg	gcggcacgca	60540
atccaccgta	ctcaccaatg	cgaccaacac	cactagctgc	ggcggagccg	tcgccggcag	60600
tagtaacgca	ggaccgcgcg	gcgcttcggc	cgctgcgcac	ctagatgcag	aactggccgg	60660
cctcgaaacc	tcggcgggccg	actttgaaca	actgcggcga	ctgtgcgcgc	cgctggccat	60720
cgacacgcgc	tgtaacctat	gcgccatcat	cagcatctgc	ctcaaacagg	actgcgacca	60780
gagctggctc	ctcgagtaca	gcttgctgtg	cttcaaattgc	agttacgcgc	cccgtgcggc	60840
gctcagcacg	ctcatcatca	tgtccgagtt	tacgcatctg	ctgcagcagc	acttttccga	60900
tctgcgcac	gacgacctgt	tccgacacca	cgttctcacg	gtcttcgatt	tccacctgca	60960
ctttttcata	aatcgttgct	ttgaaaaaca	agtgggcgac	gcggttgata	acgagaatgt	61020
caccctaaac	catctagccg	tggtgcgggc	catggtcatg	ggcgaagaca	cggtgcctta	61080

caacaagcct	cggcgccacc	cgcaacagaa	gcaaaaaaac	aacccttatc	acgtcgaagt	61140
gccacaagaa	ctgatcgaca	actttctaga	acacagctca	cctagccgcg	accgctttgt	61200
gcagctgctt	ttctatatgt	gggccggcac	cggcgctcatg	agcaccacgc	cactcacgga	61260
acttacgcac	actaagttcg	cgcgactaga	cgcgttatcc	acggcctcgg	aaagagaaga	61320
cgcaaggatg	atgatggaag	aagaggagga	tgaagaagga	gaaaaaagag	gtgacgatcc	61380
gggccgtcac	aacggcggtg	gcaccagcgg	ggggttcagc	gagagcacgc	taaaaaagaa	61440
cgtgggtccc	atttacctat	gtcccgtacc	cgcctttttt	accaagaacc	aaaccagtac	61500
cgtgtgtctg	ctgtgcgaac	tcatggcctg	ctcctattac	gataacgtcg	tcctgcgcga	61560
gctgtaccgc	cgcgtcgtct	cgtactgtca	gaacaatgtg	aagatgggtg	accgcattca	61620
gctggtattg	gccgacctgt	tgcgcgaatg	cacgtcgccg	ctcggcgcg	cgcacgagga	61680
cgtggcgcg	tgtggactcg	aagcgccac	ctcgcccga	ggcgactcgg	actatcacgg	61740
cctgagcggc	gtcgacggcg	cactggcgcg	acccgaccgc	gtattttgcc	acgtcctgcg	61800
tcaggcgggc	gtcacgggca	tctacaagca	ctttttctgt	gaccgcagct	gcgccggcaa	61860
catccgcgtc	accaacgagg	ccgtgctctt	cggacgcctg	cacccccacc	acgtccagga	61920
ggtgaaactg	gccatctgtc	acgacaatta	ctatataagt	cgacttccgc	gacgtgtgtg	61980
gctctgcatc	acactcttca	aggcctttca	gattacaaaa	cgcacctaca	aaggcaaagt	62040
gcacctggcg	gacttttatg	gcgatttcac	gcagctgttg	gagagttgcg	acatcaagct	62100
ggtggacccc	acgtacgtga	tagacaagta	tgtctagcgt	gagcggcggtg	cgcacgccgc	62160
gcgaacgacg	ttcggccttg	cgctccctgc	tccgcaagcg	ccgccaacgc	gagctggcca	62220
gcaaagtggc	gtcaacgggtg	aacggcgcta	cgtcggccaa	caaccacggc	gaaccgccgt	62280
cgccggccga	cgcgcgcccc	cgcctcacgc	tgcacgacct	gcacgacatc	ttccgcgagc	62340
accccgaact	agagctcaag	tacctcaaca	tgatgaagat	ggccatcacg	ggcaaagagt	62400
ccatctgctt	acccttcaat	ttccactcgc	accggcagca	cacctgcctc	gacatctcgc	62460
cgtacggcaa	cgagcaggtc	tcgcgcatcg	cctgcacctc	gtgcgaggac	aaccgcatcc	62520
tgcccaccgc	ctccgacgcc	atggtggcct	tcatcaatca	gacgtccaac	atcatgaaaa	62580
atagaaactt	ttattacggg	ttctgtaaga	gcagcgagct	actcaagctc	tccaccaacc	62640
agccgcccac	cttccaaatt	tattacctgc	tgcacgccgc	taaccacgac	atcgtgccct	62700
ttatgcacgc	cgaggacggc	cggttgcaca	tgcacgtcat	cttcgaaaac	cccgacgtgc	62760
acatcccctg	cgactgcac	acgcagatgc	tcacggcggc	gcgcgaagac	tacagcgtca	62820
cgtcacaacat	cgtgcgcgac	cacgtcgcta	tcagcgtgct	gtgtcacgcc	gtctcggcca	62880

gcagcgtcaa	gatcgacgtg	actattttgc	aacgcaagat	tgacgagatg	gacattccca	62940
acgacgtgag	cgagtccttt	gagcgctaca	aagagctcat	tcaggagctg	tgtagtcca	63000
gcggaacaaa	cctatacgag	gaggccacgt	cgctctacgc	gatacgggtct	cccttaaccg	63060
cgtagcgtt	gcacgtagtt	tccaccaacg	gctgcggtcc	ctcctcctcg	tcccagtcca	63120
cgccgcctca	tctccacccg	ccgtcgaggt	cgacgcagcc	ccaccactac	tctcaccacc	63180
agtctcagtc	tcagcagcat	catcacctgc	cccagtcacc	accgcccgcg	ctgtttctca	63240
acagcattcg	tgcgcttga	caactgtacg	cagaaaagcc	ggctccaagt	gcaagcgccg	63300
cggcagcacc	atgtgcaaaa	acttgtcctt	gcgcgcagtt	tcgcccgcgg	gaaagacggg	63360
cgacagcacg	ttggttacag	ccttgagaac	ctgctcaaag	tacttgtcgg	cgtgaatggg	63420
cacgccgtgc	tcgcgcacgt	agctcggatc	ttcggtctacc	tcgtagttgc	acacgaccga	63480
cggtgggtttc	cgcgccctct	tctttgccgg	ctctcctcct	ctcctgttgc	tctcctctac	63540
cccgcgcgcg	tcagcgtcgt	cgtagcgtgc	atcaatcgcg	tccgaccggg	aaaccacgcc	63600
ggtgggttaca	gaatcacctg	tgtagcagga	accctgcggc	gccgtccgga	caccggggcg	63660
cgtagcagc	taaaagaccc	gatccccgac	cgagggtagc	tcctcagaac	gggcccgcag	63720
tcgcttaatg	acggcaatgt	gcggcaagtt	agattgacgg	tacaacgaga	tgtagcttaga	63780
aagcacccgac	gaaagcacca	ggtagctgac	acgcacacgg	tgtaggtaca	gatcgtcgcg	63840
agcctgcacc	agacggcgca	agatagccca	gaaaccgcgt	ggcacgccgt	atttcttgac	63900
ttcatcgagt	gagaggcgcg	acaggcgcac	ggtagcttcc	gagacctcgc	gatcctcaaa	63960
gagcagcgag	aggacgtcac	gcgtgacgcc	cttgacgaac	tcgcaagccg	tcttgcgcac	64020
caaattccacg	cccttcatgc	tcaggcccga	ggcgccctcc	actttgccga	tgtaacgttt	64080
cttgtagatc	atcataagag	agacgaagac	cttttcaaac	tccagcttga	cggtgtccac	64140
aaaaagacag	gccgtcacgt	agtgcgccag	gctgggcccc	cgcgccacca	gagcctgcgg	64200
cgtagcggca	cgaaagcgga	caaacacgct	gtccgtgtcc	ccgtagatga	cccgcgcctc	64260
caccgcgcgt	tcgtccgagc	cccctgacga	tgtttcgagc	ccctccggta	acgtgctgct	64320
ctcctccgaa	tccccctccc	gcgttcccac	tacatagtct	tcctgattaa	aaaaattgtg	64380
caaaaaacac	ggctctgaaa	agttgtcttt	gatgaaccgc	gccgtgcgct	ctagcatgtc	64440
gcgaccgatg	cggtgatgc	tggtggcgat	gggcagacac	ggcatcatgc	cgttgaccac	64500
gcctgtaaaa	ccgtagaaaag	cgttacacgt	tactttgagt	gccatctgtt	ccttgctcag	64560
cagcatagcg	cgcacggggg	cttgacactc	gcgcatgcat	tcgcgcacgg	cacggcgctg	64620
cgaaaccac	ttgttgagca	gttccgaaag	caccgagacg	cgcacccaag	cacgcacaaa	64680

gcggtgagtc	acgccgttct	ctagcgtgac	gctgtataca	tcggcggggt	ccacggggta	64740
ctcgccaccc	ggcaccagca	gggtggagta	gcaaagggtt	tgagccatga	tgatggaagg	64800
atagaggctg	gcaaagtcaa	acacggccac	ggggtcgttg	taataacca	cctcgggctc	64860
aaacaccgtg	gcaccctggt	acgaaaccgc	cgcagtaccg	ccggcgccgt	gactgtcggt	64920
ggaaacgccg	acgccgccac	tactgccgga	gccgacgctg	aaaacgccga	cgctgctact	64980
actgttactg	ccagagccgg	gtaaaacgcc	gtcctgactc	gacggcgag	attgcaagg	65040
cggcgacatc	tgaaacatag	ccgccacaga	acccgcgtcg	ccgggcacgg	cggcggtaga	65100
gatgatagcg	gcgttaggtg	acacggcaac	actattcggt	tcgggcaccg	tcgtaccttt	65160
gctgtagtgg	ttgggcagga	taaaatcgcg	gcaggcgcac	tcgtccagca	gcgaggtgta	65220
gatacggatc	tgctgtccgt	caaagatgac	acgccgcaac	ggaattttag	ccagccgcgc	65280
gatggccccg	gcctcgtagt	gaaaattaat	ggtgttgaac	agatcgcgca	ccaatacggc	65340
gtcctgcaga	cagtaacggc	ctacctgggc	gcggccctcg	gcattagcca	cgaaacaacg	65400
cgggatgtcc	ttgtaggaca	ggtcacacct	gcgttgccgc	aggtaaagct	cgcccatagt	65460
gttgagctta	tagttgggcg	agttagtctt	ggccatgcat	acgggggtaca	tgctgataac	65520
caccgaaccc	gcaatataca	ccttggtggc	ggcgtgctg	gccggattgt	tgtgagaagc	65580
cgagggaaaag	gcggcggcgt	actgccgctt	aaaaccacg	gcggggctgt	gtaaaaagaa	65640
acggccgccc	tgcgccgtag	gcaacttgca	gaagcgctgc	gagtcacact	tatacaggta	65700
ctcgaggcgc	gtgaggatgt	acttcaagtc	aaaagagttg	atgttgtaac	cggtcacaaa	65760
ggccggcgcg	taccgttgaa	agaaaagcat	aaagcccagc	agcagctcgt	attcggaagg	65820
gaactcgtag	acgtccacgt	ctgggcccac	ctgccgcgag	gtgccgatcg	tgaagagatg	65880
aagacccgag	tgcccaaaga	tcacaccctc	cgaagtgcag	ccccggccat	cggtcccgtt	65940
tgggatcccc	tgatccacgg	cggtgtttcc	ccccgtctcg	tagcacacgc	acgagatctg	66000
aatgacaatg	tcacggact	tctcggcgca	gggaaaacca	ccctcgccgc	tcatgcactc	66060
gatatcgaag	gacaggcatc	gatagcgcg	ccacgagctg	tcgtcgggca	cgccaccag	66120
gtcagagaca	tcgcagtcga	cctcgatata	acaagtcgac	gcgcgaccct	gctgccgcca	66180
gtcgtaacga	ttcacggagc	accagccgaa	cgtggtgatc	cgccgatcga	tgaccaaacg	66240
cgtcagcgga	tccacacgga	cctcgtaac	gggaaaaccc	tgctccagca	gatactcgcc	66300
gatttttctg	gccatggtcc	agttgctgat	agacacacac	tgcaaatcgg	gcacgggtcg	66360
cgccccgtac	ccgtagatcg	aggttttgg	ggccggcggt	acagacacgg	cgatatggcgt	66420
ccgcggttcg	ggcactagtt	cgcccacgct	ggcaatgacc	tcacgcagcc	tatcggtgtc	66480

gctgtactca	cagtaaaagt	agctgcgctg	cccgaaaacg	ttgacgcaga	tactgtagcc	66540
gtgtttctgtg	gccccgaaga	aacgcaacac	gttccccgaa	ggcaccagat	gctgacgata	66600
gcgcggcgac	acgttttcgg	gcgagtcgaa	gaagagcacg	gcgtccgtct	gatcgtaggt	66660
gtgaaaacga	ataggtccca	ccacgcgacc	caccagggtc	tcgcgccaag	gacacggcca	66720
aaccatgtca	tgactcaaca	aatgtttaat	ctctcgatag	aacatgagag	gcagccgtcc	66780
cgtcttatgc	ttgatcaacc	ccgtctgacc	gtcgaacatg	acgcctcgcg	gcacgatctg	66840
caaaaactgt	ttctgtggcg	gccgcttgcc	cgagccctgc	gcggagccgg	gctgcgaacg	66900
ctgacgccgg	ccaccgcga	ccgcaccgcc	ggtcacgccg	ccgctcagat	acgggttgaa	66960
aaacatagcg	gaccgtgaga	ggctgacagc	ttacgaagca	aaatcacaaa	gaaaatacac	67020
atgcagcacc	tagatatcca	gtttaacccc	gtatatcaca	agtctctgtg	tcactttttt	67080
tgtctgtttt	ttttttcttc	tcctggttca	gacgttctct	tcttcgtcag	agtctttcaa	67140
gtgtcggtag	ccgtttttgc	gatgtcgtag	tcggcttagt	aggttgggct	tctgtccctt	67200
gtcctgcgtg	ccagtctgtc	cgtccaaaga	atctgtaccg	ttctgctgcg	ctcgtgtctc	67260
tgcgccaga	cgggccaggg	ccagaagcat	ctggtaagcc	tgctcgttgg	tgtaaggcgg	67320
agccgccgtg	gatgcatcag	acgacggtgg	tcccggtcct	ttgcgaccag	aattataaac	67380
actttcctcg	taggaaggcg	gagcctgtaa	cgacgtgtct	ttggtgctgc	ccgacgtcac	67440
gggtggtccc	tcggcggaca	ccagataggg	aaagagggtc	tgacgcggct	gcgtgcacaa	67500
acgccgctgt	cgagtataga	tcaaataagt	gataatgact	acggctatgg	ccacgaggat	67560
gatggtgaac	gctccgaagg	ggtttttgag	gaagggtggc	acgccttcga	ccacggaggc	67620
caccgcgcca	cccacggccc	caatggctac	gccaacggcc	tttcccgcgg	cgcccaggcc	67680
gctcatgagg	tcgtccagac	ccttgaggta	gggcggtagc	gggtcgacta	ccttgtcctc	67740
cacgtacttt	acccgctgct	tgtacgagtt	gaattcgcgc	atgatctctt	cgagggtcaa	67800
aacgttgctg	gaacgcagct	ctttctgcga	gtaaagttcc	agtaccctga	agtcggtatt	67860
ttccagcggg	tcgatatcca	gggcgatcat	gctgtcgacg	gtggagatac	tgctgaggtc	67920
aatcatgcgt	ttgaagaggt	agtccacgta	ctcgtaggcc	gagttcccgg	cgatgaagat	67980
cttgaggctg	ggaagctgac	attcctcagt	gcggtggttg	cccaacagga	tttcgttgtc	68040
ctcgcgccagt	tgaccgtact	gcacgtacga	gctgttggcg	aaattaaaga	tgaccacggg	68100
tcgtgagtag	cagcgtcctg	gcgactcctt	cacgttcata	tcacgcagca	ccttgacgct	68160
ggtttggttg	atggtcacgc	agctggccag	gccaagaca	tcacccatga	aacgcgcggc	68220
aatcggtttg	ttgtaaatgg	ccgagagaat	ggctgacggg	ttgatcttgc	tgagttcctt	68280

gaagacctct	aggggtgcgcc	gttgatccac	acaccaggct	tctgcgattt	gcgccagcgc	68340
ccggttgatg	taaccgcgca	acgtgtcata	ggatgaactgc	agctgggagc	agaccagatt	68400
gtgcaccgat	tccatgttgg	ataaatgagt	tgcattgttg	ccatctgtac	ttcttttggt	68460
tctattatga	gtaagattca	gactggagcg	gttggccaaa	cgttcgagtt	ctaccagaga	68520
tttttgcttg	ataccttgcc	agaacactac	caaaccacca	gtggtttcaa	agacggacac	68580
gtttccatat	ttttcatatg	tttgattgta	tgaagtattg	aaaatctgct	gtaacttatt	68640
tatagcctca	tcacgtacgc	agtccagcgc	agagtcggac	atgttcacct	cttgcttctt	68700
agataagaaa	gtggcgggtca	ttttggcaga	agaaaagtga	tacgagtcct	cggcttcgga	68760
acgaatggtg	cgttccgagg	cttcccagaa	agtgagttga	caagtgacat	tcttttcgtc	68820
ctgtatatcc	caggagatca	ccgagtcgcg	acgttcaaga	aaagccacca	acctgtgggt	68880
ctctaacgca	gaattcgggtc	ttccaaagtc	ggagacgata	gtgtagttcg	gaaaaatgaa	68940
aaacttgctg	gcgtttttctc	caaagtagct	ggcattgcga	ttggttccgt	tgtagaaagg	69000
agaaatgtca	accacgttac	ccgtggaagt	ggcgaaaaaa	tgataaggat	atttgagcgc	69060
cgcagtagtg	atgggtcacca	tacaattcag	attacaggtc	tcacgataga	gccagggtgct	69120
gccgcggctg	tgccattgat	ccttgaccgt	cacgtaacgg	gtactgtggg	tgttggaata	69180
atcgctcggc	attaattgca	tggttttggt	ttcatagctg	tccctatgat	aagccacgaa	69240
aaccgtgcct	gctataacgc	ggctgtagga	actgtagcac	tgactgtggc	tgttgatatg	69300
atgaatctcc	cacataggag	gcgccacgta	ttccgtgttg	ctgcccagca	gataagtggg	69360
gtggatgtaa	gcgtagctac	gacgaaacgt	caaaaccttc	tggtagactc	gtaccttaaa	69420
gggtgtgcgc	acgatgttgc	gtttgtagac	caccatgatg	ccctcgcca	ggtcttcatt	69480
gatgggcttc	atcgaggtgc	agacgatatt	acgttcaaag	cgaataagat	ccgtaccctg	69540
ggccatagaa	cacacgcgat	aggggtactt	gggtgtattg	acccccacca	catctccgta	69600
cttgagggtg	gtgttgtaga	tggtctcggt	aacaccatgg	ctgaccgttt	gggaagaagt	69660
tacgcgttga	gagactgaac	cggatcgaga	gtgagcagca	gacgtcgtag	gagaggaatg	69720
gtgactgtga	gtagcagaag	ttccacgagt	agaagatgag	gaaaccgcag	caccagacgc	69780
gacgatacac	aagttaacgc	agactaccag	gcaccagatc	ctggattcca	tgttcgtcgc	69840
gggcaaatac	cagcagcgat	gaggcgcgtc	gtggtctctt	gcgtgttgcg	cggaccctcc	69900
gggaaacgcc	cgcggtcgag	gaggaggggt	acggacttgg	cagccaaagt	cggtccggct	69960
ccctgaaggc	acccgagacg	gccgcggcgg	ccgtcagggt	ggagggcttg	gccacgggag	70020
ctgttggcac	gtcgccactc	tcacccgggtc	tggacagatg	cctgtagagg	aggagatata	70080

gatctttgga	cttataaaga	cttccttcgt	gacgaagcag	cagcggccac	tctttgttat	70140
acgtgagaat	cacatctctg	tccgggtgca	gttcgtcgcg	caggcacgcg	atcgagagtt	70200
gtttcccgaa	agtttcatta	tatagtgcga	cggagagcac	gagctcccg	acgtgcatcc	70260
acatctcctt	ctgcagcacg	tttaggtcct	gacagtccga	aaaattgaaa	aaacccatgt	70320
acttcaccac	catccactca	ctgggataca	cggtagcttc	cgcgcatctg	accaaactgt	70380
ccttgacgtg	gggtagtagc	cccgcgttgt	cgcaggcata	ggccatgtcc	acattgtgag	70440
agaggggata	gcgatcggta	cagtgtgtga	agagggggcc	gttacacaac	tcgtagatct	70500
gctgacccag	tagcgggagg	gattccacag	gcagactcct	gtggatcagg	ttattgacca	70560
catacaggtg	ctcatcgtag	gtgaactgat	ccccacgtc	caccacgtct	tgatcctggg	70620
ggatttggct	gcggtataga	aaccatttca	tgagcttaga	gataaagtcc	agacacaagg	70680
gccccactag	gttgacatcg	atgagtttgc	tagtcagacg	ctcctgcgtt	ttgatgcaac	70740
ggatcacctt	gccatagccc	acctctgaga	ccttctgcag	gtaggcgcgt	ttgcgcacgt	70800
tcacctcgcg	ggtgacgttg	tggatgcggg	aacgcgcgtc	caccaagtcg	agagcctcgt	70860
gttcgtcgca	gttgccgacc	cgtaagccgt	tctcgctgcc	gtcgccgtcc	tgccattcgt	70920
cccctcccc	tacagctttc	ttgcctcttc	cacggggccc	gccgcccga	ccgttattcc	70980
tctgactgtg	agtactgctg	ttgctgctgt	tgctggccgt	catcaaagtc	gtaccctgcc	71040
ccgacatcgc	ctcccgtcca	cgcaggtgaa	tagcctcgcc	ctcggggccg	tcgccccccg	71100
tgccatcggg	cagcggacgt	cgaatctcct	cgagaatatg	cttgattttg	gtgtacatct	71160
cgttgctttc	gtggagcttg	ttgaacaccg	gattgtcctc	gaaagcttga	atgctgaggg	71220
atgtgatgag	gtcgatgatc	ctgttggggg	cggcaaagac	cgacccacag	aacatgcgct	71280
cctccccgtc	caacgccttt	tccccgagca	cgaagatgtc	ctccacgtcc	tccccgtaca	71340
gatggcgact	gatgccgttc	atgagcgccc	ggcacagctg	gtgatacaca	tttagctgct	71400
ggatggtgat	gcccacccgc	ttgacgataa	cctccgaggt	acgggaccag	taggtaaaat	71460
ccgacaagga	atatattcgt	tccggtatat	ccgtaaacag	gttgtagctc	ctcagcgctt	71520
cctccgcctc	ctggatgtag	ctgtggtagg	ccgatgaaga	agagaatagg	cttttgaggg	71580
ccgaaaggac	tccagccaag	tgggggatgc	gcgttgctag	gtccagcagg	tcctgctcca	71640
ccgtctggat	attcacatcg	gactggcttg	acggacggtg	gaccgctata	tggttgacac	71700
gcaagccctg	cagccgcttg	ttcagcgagc	ggccctgatt	cgggatgatg	gtcaactcct	71760
cgtagcattg	ggcgcatgtc	gtcccttcga	cgtacacttc	ctgacgcgcc	accggcgaga	71820
tgccgcatag	gcgacggagg	agctccagca	gctgcgcgca	gacctccagg	ccggcctccg	71880

gcgccaggat	cccgtacacg	tagttcattt	tgcacaggaa	gcgctcgatg	tcgttgagtg	71940
tggccagact	gacgctgaaa	cggacgttgt	ccgtaaaactg	gagctccacg	gtgtgatggc	72000
gatcgcacg	atccaaacgg	aggacggtac	ggtagaaggc	cgcccgggtcc	ggctggcgcg	72060
agtaggccat	cagcgcccga	tccagcaaag	ccgtatcctc	gtgcagcgcc	ttcagcagca	72120
tctccagata	gagcgtcagc	agcgaactct	gcgtacgatt	ctgcgccacc	acctccgggt	72180
agatcttccg	gtacagatac	actatagccg	ccgcgtttct	cttgaacggc	gtggactccg	72240
ccagtaacac	gttcggatcg	cagtacttta	gacactccag	ctccatggcg	tattcgttgc	72300
atttcgaaca	cactacgcat	agtttctgta	acaaattcat	ctccatgact	cgactcgctc	72360
acgtacgaga	cgctgtcgtc	cggctctggcg	ccggccagag	acatggagtc	ggtgcacaaa	72420
taactcgcg	gccgctcgct	atgccgactg	acgttgacgt	taatataata	cgacgtcgtc	72480
gacgaggggt	ctgctcccga	agctgttgcc	gccgcttgcg	gcgcaacctc	ctccaccacc	72540
gccgccgccg	gtcctctccg	ctcgggcgac	gggggctcgg	agatgaccgg	ctgtgtctga	72600
cactcctccc	cttctctcagg	cggcccgggc	gccgacgcga	atgtcggagt	ttgccagcgc	72660
ggcggcggtc	tctgtctctg	gtgccgcggc	gctaattctc	ggggctggtg	ctgctgttga	72720
tgatgcgacg	ccgtctgtcg	ccgtctgttc	ggcggtagct	gatacgggtg	cgcttgggtc	72780
tgtctgtctg	gtggctgctg	ttgtctgtgt	tggtgcggtc	tgaaaagcgg	ccacgggggc	72840
tgcgactgtt	gctgctgttg	ttgcgatgct	cgtgactgcg	gcggccggtg	tcgcggcggt	72900
tgctggcggt	tacaaccggc	tgcgtttggt	cggcaataac	ccgtgcccc	cgccgcccc	72960
gctgctccc	ccgacgccgc	cagcctcgtc	ttcgccggcg	ttcacgagaa	agcagccacc	73020
tcccgtctcg	ccgggcacgc	cgaagcaaat	ggagttgccc	gcgacggact	cgccgagaag	73080
aagaccgcca	ccccgcacgc	cggacgccgc	gccgacgcca	ctgggcgcga	agagcgccga	73140
caggtcgtgc	acctcccccc	cggcggcgtc	cgttaatcgc	tgggcgctcg	cgtccagcac	73200
gcgtcgcaag	ttctccagcg	aaaagtcttc	cacgccctgc	tcctgcaacg	cggcaaactt	73260
gtccatcagc	gacgcggcca	gcgcctcgca	gccatccacg	aagaagagca	catcgctcga	73320
cgcggggatc	tcctcgcgca	cgctcagaat	ctcgtaacgc	gccatcactt	cggggctcgca	73380
atccaagttc	tcggcggtcca	gcgccagcat	gacgcggttt	tttataagat	ccgcgtcaaa	73440
aagcacgttc	tcgcggcgcg	agcgtttgat	gagcacgtcg	gccagacgcg	tagccaagag	73500
gtaacgctgg	cgcatgaaac	gataatcttg	accgctcata	gagctcacgt	taaggctgcg	73560
ttccacaccg	ttgcccgaac	agtagccgat	ctgcccacac	tgatagatct	ccttgctggt	73620
gttgataccg	gcatatTTTT	ccacgctcac	gggcacggtc	accaaggaac	gatgctcaaa	73680

aacgctccgt	accaacgatt	cacgcgccac	agtagcggcc	atgggcgccg	gcacgcctgc	73740
ggctcttcaag	cccttgacat	gcaacgcaaa	ttcggcgggc	gacgagaaac	gcggactagc	73800
acctaacacg	tgaggaaact	gcgcgtgggt	ctgcgtcggt	aagcgcgctg	ttaacccgtg	73860
cagcgagcca	atgtagtctt	tgaagccgta	gtagcagagg	aatttggtat	ggaaacggct	73920
ttccacgtaa	ctcagcacac	agtctggcgc	cacatccagc	agatcgtgct	cctgatagtc	73980
agccgtcaca	gccaccagaa	atttgacgaa	agcattgaac	tcgcccattg	cacctatggg	74040
cacattcttg	ggcaacgcgt	tggaacagac	cttctgccaa	aactgtaagc	aggggagacc	74100
acattcagga	aagagtcgct	cgtgatgtcg	atacagcaga	aatcccaagc	agcccttagc	74160
cggattacga	cgcggaacgt	gatcgcgggc	aaaaaacacg	ctaccgcgct	tgcccttgcc	74220
cgcgcggtag	atgggtcggt	ttttcacccg	caccatgatc	aacgtgggta	ccgacagccg	74280
cgagagcttg	atctccatgg	gcaccacggc	gtacgtaccc	tgcgcgta	gcctaaagtc	74340
cagcaggcgg	tcgtgatccg	aattcttgga	cgacttgatc	tgcttggtga	agagaaagcc	74400
cttgcgcgac	gacgtggtgg	agaacgcgcc	gtgaatggat	tgaaaatgct	gcgtcatcca	74460
tttgataacc	aagttggtgg	tcaacggatt	gtccacaatg	tatgaggtag	cggtataaag	74520
cgccacgttc	tggtacacgt	aaaagacgga	tctgaaatag	gcgtaggcca	gcagcggctg	74580
gaaagccacg	gcgtagggat	tcagatccag	gttgaaggcc	tgcgtaggcg	ccgccacctc	74640
gtcgcggtg	ctcttgaggc	gcacctccga	aacgaaaccc	agggcctcgt	cgtccacaaa	74700
cttggtgagc	gccgaaaaga	cggccacaaa	gtcgcttttg	ccgtgcgcgc	taaaggtatc	74760
ctcgcccgtc	acgggggtcg	tgagccgcat	cttgcggcag	taatccaaga	tgcgattgag	74820
ccgataggta	cgggtccacac	tagcgcccag	catgcgaccg	ccgcgccccca	tcattcccc	74880
ggaatccccg	ccacccccac	caccacgacc	gccgcccaga	ccgtcgctcg	ggcccccgct	74940
cacgtctcgt	ccaccacccc	cgccagcacc	gccgcccgga	accccgctcg	cacctttgcc	75000
gtccaaaccc	ccgtccttgg	cgtcgacgtt	gtaacgccga	ccgaagctgc	ccaaaatatc	75060
cacgtcgttg	agaaaacgcg	actgcacggg	gatcacgcag	ggctccttct	tgggctgctt	75120
gggcaccacg	ggcaagcggg	tgcgaccccg	cacgaaggcc	gtctgataac	acgtgtggca	75180
acaagtaccc	ccacaggcct	cgcacagccc	cgcggcgcag	cccaccagg	gattcgtgag	75240
cgtcgacgaa	cccgacaagc	ccgtgttata	caccgagaca	cgatttagat	accagacgaa	75300
gcccgaact	agctgcggac	acgtgccaca	caccaacgcc	aatgctgcg	gcccatagcg	75360
ttcgctcctg	agcggcgcg	cttgaaactt	gagcaccttg	cgcgcgctcg	tgtagacgtc	75420
ttcgcaggcc	gccgacaacc	cgttggtgaa	ctgaatagcc	ttgagcaacg	tctcctgact	75480

ggccgtaccg ccggcgctgg gatgccgcgc agacgactga agatacacca gcctgtgctg 75540
 gtagagcacc gaattagcgc tgaagaccaa ggcgccacg tgcgtcgaga gatgcaactt 75600
 gagctcgggtc agcgcgcgga tcagatcgcg gtgatcgggt gcgttggtca ctaaaggcca 75660
 ctcgaaaaag agcatagact cggcagggtg gtaggccgaa tcgaaaaata ccgaggcaaa 75720
 actgaaggcc aactcacaaa ccaccgcgtc actcagcatc agatgatcct tttccagact 75780
 gctgagtcgc tggctcatgt accccaagta gcgcttatgt ggcgccagct tcaccgactg 75840
 ctgactgtcg tgcacaaact gccgcaacgc cgcctcgatc agcacacgcg gctccgagaa 75900
 gcgcagcgat tgacaccatg acgtgtacac gtagtagaaa agcgtctcgc ttacggccgg 75960
 cacgtagagc cctcgcgcct ccacaaaagc gctgcgcgca tccagcgaga cctcgtcggc 76020
 ttcggcgta agctgcagcg aattaaagag cgtaggcggg tacaacggca cgcgcaccgc 76080
 ctcgccgccc tgcagtcgca ccgtggtcgc ctctccacg catggaatca gctgaccggc 76140
 aaagagaaac tccttcaagc cggtgcccac caccacgtgc acagtcgtct cggacgcctg 76200
 acagcccact gccgcgcaca acgcccag atcggtaggc acgcgatccg cctcgggctg 76260
 gtaggcctcc aacgcgtact tctggcgggc gtctcgcac agccgatgca cgtctccgtg 76320
 atcctcggtta aaagccacga tgccttgcgt atgatgaaag tagagcgcaa aaggacaaaa 76380
 ggacgtgact ttcgtgagca ccccgccgtc gtaacaaagc acaggcgtgc gcacagagac 76440
 gccgaaatcc gcctccaccg tgagccccgc caacagagga gcgatcacca cgctcgagga 76500
 acggtcgcatt agcgagagag tggccagaat ctctcgcgtt tctgcgttca acctgctgaa 76560
 gtagagaaaa gccgcgggccc ccaccggcgc tagcgcgggt agttcctcgt ggctcatggt 76620
 ggatgaacgg aagacaatgg ctacgccgcc actgagtga ttttatacca aggaaaagtt 76680
 cagcacgtca tgtttgacgc acgacgtctg atacaccacc gtggccacca ctgcggtctg 76740
 gctgcggttg cggaccacca aaggcgacaa ccgcaacgat ccagcaatt cgtaagaaaa 76800
 gctaaccgtt acggtcgggc agcctctcgc agccagaccg ctagccgacg caccgcgccg 76860
 cgaaaatagc gtgatgttcg ggacggcttc gcgtcaccgc aaactaacgt cggtagtcgc 76920
 gcacgtcgtt tatcatcagc acaccgtccg atcacaacc gttttccac tcagtcgcac 76980
 aagcagcaca taaaaacccc acacagggca catgaaaaca acgtccctag aaaacggtgt 77040
 tttctgtcct accgtcaccg ggccacacag gcaaattccc agcccgatcc ccgaaaacac 77100
 cgtacggtgt ttgtggcctc caaaatcaca tcagctaaca aaccgtgaaa agtcacgttt 77160
 cacgaacacg gtgtttctaa atcacaaga accgcctgac ggtttacaag cagaaacacc 77220
 gcaccacggt ggtacaagcg cggtaggatc ggtctcgcaa cctcaatcgc cgctatcacc 77280

accgactttc	gctgcgctcc	gccgacaaaa	cgccgtacaa	gttacacacc	ccaaaaacct	77340
gcgcgcctat	gggcgcctaaa	cgtgtgtatt	atctcaacgt	cacaacacga	cacaaaccgc	77400
gtaacgtggt	ttcccgaaca	cgtacgcggc	acagaccccc	gacacgtact	cgaagacctt	77460
acagttttacg	agtcaataaa	acaggaaaag	atccgaactt	taaaattgtg	tattttttatt	77520
ttcccatccc	cctcttttta	ccaaaaaaca	cattttttcgt	cttgtaaaaa	gtaactttcg	77580
cccattgccca	tgaaacaccg	tgatggggaa	cggtgttgtg	tgtcgactga	cgtcactacg	77640
gcgatcagta	tcgacgtcgt	gtatacataa	cggtgcccg	tgttttttatt	cggggcgttg	77700
tcgcgtcttg	atgtaatgta	acctgaaacc	gccgtgccta	agaatgcgga	agccagcgtg	77760
taatcataac	ggggtttttg	gtacaatctg	acgacatctg	gcggcgagcg	tacaccatcg	77820
aatgtggcga	tcgccggctc	tacgtcacia	tgacgcaaaa	acacactgta	aaaccgcgt	77880
agacagcttt	cctggtcaat	gagcgccatc	tggtgtcggc	ataagaacag	gcatcaaccc	77940
cgtggccggc	gaggcgggtga	gcacttttgt	tggtcacgtg	accatccgcg	caggaagcga	78000
ggcccgtaga	accgcccag	aggcgggtgc	agatgccaac	gtcataatca	caaggtgatt	78060
tgttacgtca	cgcgcacacg	cacgcgcgcg	cgcggtagaa	tacagcgatc	catagtgaag	78120
ccacacccat	tacgtgtagc	catatccgct	tacgtataca	gacacacccc	taggtacgcc	78180
accttatcta	ccaatcacag	aaacggatat	aaaatgaccc	ctccctagac	tccaccctt	78240
gtacggaaat	ttcagatagg	tggaaccctg	taggggtcca	ccgtcctcgg	tgtacgtaca	78300
ggcttctccg	tctaccggaa	atatacacat	gctgacgtag	acgtactcc	cggatacgcg	78360
tcataagcta	ctggacccta	gggggggagt	gtctacaggg	ctacgtgcac	gcccccttac	78420
ttagggatatc	cgcccctttc	ctctgttttg	gcctagtaaa	cttaacgccg	ccgcttctca	78480
cgtgaccctt	gacaagccta	cgtcacactc	gcgtgaccac	accactccg	gatatacgtc	78540
atcccgtgga	ttccggacat	acggtgacgt	agcgagcgta	gcgagctacg	tcacgtatgc	78600
atgcgtcatc	tcgggcggaa	atcatctctg	atgacgtagc	gagcgaagcg	agctacgtca	78660
tcagtccgtt	ttacgtatac	cggatgctag	gcgacgcccc	gtaggggcgg	agcctagctt	78720
ccacccctag	gatgcatacc	ctatatagca	taattcttct	aacgaaacgt	tctacgaaaa	78780
cggactggcg	gaacgggaac	caccgtaacc	ccccccctc	ccccccccc	ttctcctccg	78840
gaaccggggg	gggcaaattt	ttaccaaatt	tgggcaacca	tgatttccaa	tgggacggcg	78900
tttccgtgcg	catgcgcagt	cggggcgagt	ttttggttgt	cagggcggtg	ccacgcggat	78960
tatgggatgg	tgactcgagt	gcgcatgcgc	cgggggatgcc	gcatggaaaa	cctatatata	79020
aggaggggtg	aaccaggggc	cccgtgcgc	atgcgcgggc	cagggcccgc	gggaggggtc	79080

ccctgcgcat gcgccggtaa aattccagtg tgtgtgtcgt gcgcatgcgc cagtattttt 79140
 ccactagagg cagtcagtgc gcatgcgtcg gtaaaattcc actagatgtg cgccgtgcgc 79200
 atgcgccggt atttttccac tgggcggccg cacctaggga gcgcgagccc cgtgccgggc 79260
 atgggccgcg gcggtggaaa attacgctc cgcccaccta ggcggggcat ctgaaaacct 79320
 ataaaacccg gcgtgccgcg cgcccccg cgcagtccgc ggcaagggtc cgccgtgct 79380
 gcggtccgca cgctgcgcc gctcccgctt gcctcccgcc ctacccccca ccctccccgg 79440
 ccgaggcccc gcgccggtcc gtccgcgggc ccgtcccacc gccctggagc accatccggg 79500
 gccgtgggcc gggcaccggg cgcggccgc tccggacctc ggccgggggt ccctcccctc 79560
 cccccgctcg accccccatc cgacggcccc gccgggctgg gacccccgca ccgggggtccc 79620
 ggttcccgtc cgcggcccg ggggaccgga gcgggggctt cccacccccca cccgctcct 79680
 ccccgggctc cggcccgga tccctcgctg ctcccgcgca cctccgcccg cttcccggtc 79740
 caccgcgcgc ggaacggacg ggaccgggg tccgcgcctt tcccctcccc ccacgggggg 79800
 ctgggtcgcg gaccccggtt cctaggctcg ttccgcggtg ggcgaccggg gatccccac 79860
 ccagctcccc ttcccggcc gcccgctgg cttttgggcc cctccgggct ttttttttcc 79920
 ggctgggtgt cgcggcggtc ggccgacgac gacggtaggt gggccgggtg gacggtggtg 79980
 gggacgggcg acgccccggc tcgacggcag tcggtcccgg aaggttgggg gctggggggc 80040
 cggtcaggag cttcgggagc ggggtcgacc gcgacggctt ccgggtctcg cggcggctcc 80100
 ctctcggcg ctcgggttg gctcccctcc cccctctcga gggtcgggcc gccagtcgtg 80160
 accgggggtc ctcggccta gccgcgggt ctcggtcgc cttatcctgg gcgttggccg 80220
 gtcccgtgac gctcccctcc ccactgctc ccaaaaaaa ctccgcccga accgtcgcgg 80280
 cttgctggcc ctgggcgtgg tccccactc ccctcccccc atcggccgcc cagccgggggt 80340
 cggcgctcgc gacccaccca ggctgtggcg tgtgtgctgg ccgatgcggc ggcgaggttg 80400
 ggtgtggccg gaagcgctcg gggtcgacgg tgggccgcca tgacacctca attgccgtca 80460
 gtacgccctt ccacaatcac cgtcccaca cgatgggccc ggcaaggcac ccaacgttgg 80520
 ttcaggcca gtcgagtttt tcccggcac gaacgcacgt ccccgtaggc tccacgcgtt 80580
 ttccaccctt tctggagggt gtccggaaca ccgtgaatcc acggggagggt tcccggcacg 80640
 ggccgaggag accacgaccg tcccaccgg cgtgtcgact cgtccgagac ccgggaaggg 80700
 aacaggcccc accatttttt ttttcccttc tccgatttgc cgtggaaaac ccgtgaaccg 80760
 atacgggtac agacggccga aaaaaaatt cgagacaata cgacggcagg gcgtgatttt 80820
 ctcccccatc cgacaaaacc gtgtccctca aaattcccca ctttctctg ctcaaatggc 80880

cccgaactg	taaaacaccg	tttgaccgca	ccccaaccgg	cgccatcttg	gtgaccttct	80940
cgacggttct	ctcgctcgtc	atgccgttct	gagctccgac	atggcggacg	agagaaaatg	81000
gcgtcgagag	cctaggagcg	ttttcgctcc	aggcgggtaa	aaaaatagca	cgataacttt	81060
tctgtgcttt	ttttgagacg	ttttagaaga	gcttttttct	gctcagcgaa	aaaatgatag	81120
ccctgaaaat	ctcgacgagt	ctggccgagc	ggcgccatct	tggaggaggg	gcgagtcgcg	81180
ggcaccgcct	cggtaccccc	tggccgaggc	gagtccgcgg	tcgccgcctg	ttccgtgatg	81240
ctacctagag	ggcgctgtcg	aggcgactct	tctgtttttc	gccctgaggg	ctaacggtcg	81300
ctgacgtcaa	accatctcgt	gctcgctgag	tcacatccgg	ttgttgacaa	gcgatggagg	81360
accgcacca	aagtgcgccc	tctagtcatc	ggcctgacc	ccttttataa	actgctcgaa	81420
gaaaagaaca	ccttatgtga	aaaaatacag	aatgatgaca	agttcatcca	acacaaccgc	81480
tcaacaacgc	catatctatc	agtggtccaa	aactatcttc	tatcctttga	aactataaat	81540
gctgcctata	tacatattta	gtatccaaga	ctcttaccac	gtagacgaaa	agaagtgata	81600
caatgatctt	gacgtgtatc	gtctatatcg	tgctagatat	attcagataa	gacgcgcaaa	81660
ccatagattt	ctcatcagta	tcatgaaaga	cctatagctc	tatatacgaa	cctagtcatt	81720
ttaggacagc	cgccggagaa	gccgacgagg	gatcgggcgg	gtgcagccag	aacctcacgc	81780
ccgatccgc	ctccggtagg	cgatttgcac	ctgtttggtg	aaaagctcat	aagtctgtat	81840
gtgacctata	tatatattat	acgctatgta	caccgaactg	tcgctgttgt	ataagaagaa	81900
aaaactctcc	atattttatat	cgtctgaatt	tttgcttgat	agacacgtgt	ttggaactct	81960
gtccccccac	gttttctactg	tgtataacaa	aaatatgtgt	ttctcaaaag	atcttgaggt	82020
gtttgaaaac	gggggaaacc	tgcgtttggg	tgcgctaagc	cccggactgg	gacgtagccg	82080
gcgtccggca	cctatatttt	tctatttttt	tacaaaatat	atgatgaacc	aagaataaaa	82140
ctctagctct	cgtctatttt	taatatgctc	tacttagaac	ctttttaatg	acagaatgaa	82200
ctccatgtta	tacgctcttt	atatagtttc	tctgcactaa	cctttaaaac	cgtatccttc	82260
cctgttgtag	aatcatctt	ttgatacaca	atgatgacct	gatatccctc	catatatatg	82320
atcggatatt	attccgttag	acttgtcctc	cttttttttc	ctcatctcct	atatctggag	82380
atatatgttg	accaccaccg	ccatgaccac	caaaaagcta	gccgtcacga	ctagaaatgt	82440
gtaggattcg	gactttccgt	tcgagaagaa	agagaccgcg	tctctggacg	ctctttttgt	82500
cggtctgaat	cgaccgggga	tacgtaagag	agcggcccta	catcgggggg	cgctcgagac	82560
cgacgacgtt	ccatctgacc	agaaaaaaaa	aaggcaccac	tcggtagcga	cctctcacca	82620
tcgtttgccc	gtccgcccgt	ccttcgtagc	catcatcatc	atctcaggct	ctatcggtac	82680

catcgttgtc	atctgaaaaa	aaaaactgcc	tcacccacct	gcgtaaaaaac	accatctttc	82740
cggaggtgcg	gtaagacggg	caaatacggg	cgtgccgagg	caaaaaaaaaa	cgcaccatcg	82800
acaccacacc	ctcatgagca	ccacctgtcg	gtgttggtcg	tcctccatcg	ttctctacga	82860
acatctcgac	gcccggtga	cggacgacgg	caagacgtcc	cggagaagac	ggtgttctct	82920
cgggcggtac	gctctctgga	tctataatat	ctatagtagc	taaacgagac	tgtgagtacg	82980
acgaaccaca	tcatcttttt	tttatgttgc	ttcttttagaa	aatgacttat	gtcgacgaca	83040
ctcggcatca	gccatctcgt	gaaacacgct	cgcttttcgt	ctctccaagg	aacactgggt	83100
ccgctgaaag	ggaccgtgta	ccgaccaaag	caaaaaacac	acacgtagta	acatgatcaa	83160
ccacgtctga	atgacacgaa	aacacaatcg	tataacgctc	tattcatgga	acgaacttgg	83220
aataaaaaaa	accatcgag	gccagaggct	aagccgaaac	cgtccgggga	agcgggcgcg	83280
agttttccga	cttagccttt	ggtgctcggt	gagcctcttt	ttttttttct	gattctctga	83340
agaatcaccg	tcacagccct	atgacgcgaa	atcaattgct	agaacataaa	cgttctcaac	83400
aggtagaaa	tgaacaaact	agatgatgct	ataaccttat	attgtgtgta	tatagatagg	83460
tgtgaaattt	gtaggataaa	aagtgtcggt	gtatgatgca	caacgatcgt	gaaactggag	83520
actgtagctc	tctaccgaat	gcaaatacac	aatgacatc	gattcccgtc	cccacataaa	83580
gaaatgtgct	ttactgtgaa	agaatgaaga	agattcttgt	tcctcgtagc	acggggccct	83640
cgctcgtcgt	gcctcttccc	ccctccggga	gaggggacgt	cggggccctc	cgctgcaccg	83700
ggccgaagcc	agtgaaatgt	ttactacact	gtcatcagaa	tatatgatgt	atattatttc	83760
ctccaaactc	ctcaccatag	ccaccaattc	gcatcactta	agaaagtagt	agcaaccgcg	83820
gcggcggcga	cgggccggtc	gtcgtctcct	cgctcctcaa	tgttgtagat	gtgcagaaaa	83880
atgtgtaaat	acgtgttatt	tatcccatgc	gtcttgtaca	tagatatatg	tttttatata	83940
cgctatttat	actttatata	tccttttgca	taaccataga	cagtcaagga	ttttaatgat	84000
ttgctcatcc	gcctttgagc	catcgcttag	gagttagttc	ctctatgttc	tcggcccacc	84060
ttttcgacta	cagtagcaaa	cccttgtagt	accaccccga	taaaaaccac	atcatcatcg	84120
tcaccacgac	ctggaaacga	cacacgttcc	cccccaatct	tgggcatgtg	tatatataaa	84180
gaatgggagg	gagaggacgt	ggggctcgag	aagaaataaa	cgccaagctc	gattcgaacc	84240
aaaaaaccac	atgtgtattg	tgctttgttt	ttttttttac	ggtgggggaa	aaggaggggg	84300
ccgtcattaa	cggaaccgt	gtatggggtc	cggacacgaa	cagtacacag	cttatgggga	84360
aaaaagctca	cagagagaaa	aaaaacacca	agctcaggca	cgcgtacatc	attatcatca	84420
tcggatatct	caccacgggt	catagtagta	ccaaggagtg	tgtgtaacac	cattttttct	84480

tttctttgta	acgggataag	ggacagcaat	catcacgcac	aacacccttc	actttttttt	84540
ttagtcatcc	atatcatcgc	tgtaacacag	catgtcctcg	taatcgggcg	tctggcaacg	84600
cattaccacc	gagtcgtctt	cttgcggtac	cggtggtggt	ggcggcgggc	gctgctgctg	84660
ggttgccgtc	gtactgtgat	taccgttggc	ggactgcacc	gggatgatgg	gctgcttgtg	84720
gggaacctgg	ggtggactgc	cgccgtgaga	aggcgacggc	gtcatcaagt	taagctcacc	84780
acggtgactc	cggacaccgg	cgaggggcg	cgggggactg	ggagggaccg	cggtcgtctt	84840
gtagacgacg	gtgtccccgt	gccgatccgt	ggctcgtacc	agatcttgac	tgctagcgtc	84900
gtcactgtct	tcgtcctctt	ccagctcgcc	ctcagagtag	tgctgctgtg	gttgcgacgg	84960
tggctgggcg	ggaggagcgg	cggcgatcat	tggagaggga	tgtcgatgac	tcccttctct	85020
gtccttttta	tcgtaggctg	tcagcgttgc	tgggtccgtc	ctgctttcca	tatttgcgca	85080
ttgctcatcg	gtgggatgaa	tttggctctc	tccccgctgt	tgtccgccgg	cagtggcgtg	85140
gttgctggcg	gttgtcgttg	tcgtaccggc	aaagacggtg	agatccaata	gcgactgctc	85200
gtcgaaggga	cagtacgcta	tcatgaaacg	atagggtgcc	aacgcgcgtt	ggatgcgcag	85260
ttcgcacatc	tcgttctgac	actcgtggca	ctgcagggcg	cctaggatca	ggtccgagac	85320
agcgccgcag	cggtaggtac	ccatggcggt	gttagtatcg	aactggtcaa	aaaattgggg	85380
cgtaccggtg	acttgcaacg	cgcgacggcg	tagcgagacg	gccacgcgcg	agaaagagca	85440
cacgtaggcc	atggcgcggt	gcatgggttg	cgagaaggtc	tcgggcgggac	gcttctgcag	85500
atcgcagacg	tcgtcgcgta	gccaggcgct	catttgaccg	ggcttcttga	ctaaccgttt	85560
gagcgtgctg	caatggtcgc	cccagccgtc	ctggtggtcc	aggatgcagc	ccaggtccag	85620
gttgttgagt	ttgttgaaga	gcagctgacg	catgccgccc	accgtctcca	gatagggatc	85680
gtgcggggtg	acgggtagcc	cgtgcaagtg	gtggtacttc	atgtagctga	gcgtttcgtc	85740
gatgatggcc	agcaacgtgt	gcaagtggg	agcgttgtag	acggcgaaga	tcttttccac	85800
caccagcttg	cgcagcaacg	gttcctccag	ccaatcgaac	tgttgacgga	tgtgcaacag	85860
gtagtcggtg	tgcatgagct	cgtcgtgtga	cagcaggatg	cgaccgcgcg	gctgatgata	85920
ttgcgggaag	gcggtgggga	ccttgagatc	ggcggggtag	ggtgccagac	gtagactctc	85980
ggccgtgtag	cgctgaaggt	cgtagacggg	cgaggtagaa	ctcggtgagg	tacccgacga	86040
ggcggcgccg	cgctgcagac	gcgctctttt	tttcttttcg	atcaaacggc	tgagttgctg	86100
tagttcgtcc	tcgtccatgg	cgtccagttc	gtcgtcaata	agcgccagca	tctgttggtg	86160
ttgcgggtccg	gcggacgata	cgtgatgatt	attggctgag	gaggggtgag	aagaaccgaa	86220
agtcgtagga	caactgggaa	ctcggcgacg	aagatgcgtc	gaatcgccgc	cgtgatggtg	86280

cggttcgccg	tcatcgttgt	cgtaagactt	accgtagtgg	gggtgaaggg	gcaccgaggg	86340
ggacgcggcc	acgcgtcgct	tgaaagagga	ggacgcccta	tgtccgccac	ggaagcccgc	86400
ggtgcccattg	atgatgtgtc	cgccggtgcc	cccagagtgcg	tggcgggagg	aggggtggaag	86460
gggaggagga	tagtgggtccg	gatcgccttc	ggtatcatcg	tctttgctgt	agcgggggtcg	86520
tcgtgcgggg	acgcagggtc	ggtgatgatg	cgaggcggcg	ccgacggtat	cttccgcgag	86580
atggtattcg	ctggcggctg	ctccgttccg	tgtcgacggc	gaggttggaac	ttcgctcgcg	86640
tcggaacttc	cgtggcacgg	gttcgtaatc	cagacagaag	cgccgtgcgc	gacgggcgcg	86700
gcgttcgcgc	tcgctcaggg	aagataacga	cggagcgctg	tgacggccgc	gtgagtgcag	86760
ctccatggcc	gccgtcgcta	ggaaggtcac	gttcgggcac	gctgatgtat	atatagatga	86820
gaccgctgcc	ggggggcggg	tcaccggcgc	cgtggaaagt	gaggctcaga	cggcggctgc	86880
cggcggcacg	ggcgcgtcgg	gcggtctgat	tttgatggaa	atgtggacgt	ttttggcggt	86940
ggagtgcacac	tttttgggtga	aacagcggct	ccagaggctg	gccagagcg	cgtagctgtg	87000
ctcgggtgcgc	aggtcgatga	acacttgcac	ggtctcttgc	gggttgcggt	gcgtgtagtt	87060
gagacagcga	aaatcccgcg	tgcgcgcgcc	gtcgcgccgc	ttgacggcca	cgcagcaggc	87120
gccgtggggc	tgaaagagga	ggacgtgggg	cgcagtaaac	tgctcgctga	cgtgcggctc	87180
gtagtgttgc	gtgaggtgct	cgagcagtgg	cggccacacg	cgggtgacga	cgagccgctg	87240
caagtccgtg	tcggaatcg	cagcggcagt	ggcgccgctg	ccaccgtaca	ggtgataggc	87300
gagcacctcg	gtgagaccgc	ggcgtcgata	acgcgtcacg	ttaagcgagc	gcgtctcgat	87360
aaagttggct	tcggtcgagg	ggcagatttt	gtcatgtacg	ctgagaatga	cgcgtggcgg	87420
cggcgacagg	ggcaacgcgg	gcaggtcgtg	cggcgggtgg	tggtgaagca	ggttacgcag	87480
atccagttgg	gcgcgcacaa	agcctagcgg	gtgttcgcgg	taggcgtcgg	gcacgatgaa	87540
cagcggcaac	agacggcgat	gcatgaaata	gccgtcgtct	tggtccattt	tatacatgta	87600
gggcagacgt	acagagcgtc	catggtggta	gatgcctgtg	tctaggctgc	tctcgggatg	87660
cgagatgggg	tccagcagcg	tgtgcagttc	ggcgtcgaga	cagacggcgt	gattgagcac	87720
ctgcgccacg	gcgcgtaaaa	cgctgggatg	tacggcgacg	gtgcaggcgg	ggaacggcgt	87780
gatgatgcgc	agccccagtt	tgcccttgca	gcggcagtaa	gggggtgacg	tgtcaacgga	87840
agacgttggt	ttttgaaaaa	cgccgttatc	tgggacgtta	tttttgtcct	ctttcccgtc	87900
ttcgtcttcc	tctgtgtcgc	gctcgtcccg	gtaatcgaga	tagtcgtcgt	catcgaaagg	87960
cgcgccggcc	gcgtccacgg	gcacgctggt	gggtgggcac	gcgcttttga	agaaatagac	88020
cgggtgccgg	tcgggggtgcg	tgtagccaaa	gaggctcgcc	catacgggtca	tccagacgcg	88080

tcgtagtccg cgacataact caaagacggt gtgtcgcgcc agaccggaga cgccgtcgcg 88140
 cagccgtaaa tcaaagtcgg ccacaaaatt gaagacgggc agacgttcgt tgaagacttc 88200
 gtgtcgcgtg tagtagaact gtgtctcggg gctgggtgctg gccacgtcgt cgtcgtgtag 88260
 ccacacggtc tcggtcaggg cctcgtccga gaaacggctg tcgggtacgt gacggagcag 88320
 gtcgcgcgga aagaggctgc gatgccaggt ttcggaggcc acggcgcaga agacgtgctg 88380
 gtcattgggc aggtgtacgc ggtagacggg cagcggtcgc tccagcagcg gtgccagcgc 88440
 gggctcgggt agcaggtagc gacgttgcca gtaacgcgtt agcgtgccgg tgggtgtaggt 88500
 ctgggctgtg cgcagcgagg cgcagagacg taataagccg gacagggagc gttccagcgg 88560
 ggagaagaca gactcggaaa gcgtgttgat gcgttcgagc tggcgcgcca gctgcgtgga 88620
 ggtgccgaag aagcccgcc ggtgcgtgcc gtcgatgcgg ccgccgtagc cggccagccc 88680
 caggccgtgc gggctggtcg ccgagtgggg ggattcgtcg agacgcagta ggtgcgtctc 88740
 cacgtagtcg tgtagaaagt tgtagagcga gaagtatttt tgcattgacgt ccagcagctc 88800
 ggtggaaaagc cggcggccca gaaaaccggg ttcgcgcgtg cactgcgctt cgggcgcgcg 88860
 gtcagcgtcg taagccacca cgcgccggta ctgcagcaac cgcgcgcgtg ccagcgcgt 88920
 gcggtaggcc aggtagacgt agtgcacgca gaccgtgtcg ggcagacgcg cacgttcgcg 88980
 gaacgcgttg atctgcgtgt ccacctgctc tagctcgggt tagtcgcggc ggttgcgcgc 89040
 tacggcgtag gccacgaaag cggacacgcg ctgacggaag ggcgagccaa gtagcagacg 89100
 cgcgaactcg cccatggagg cgtgcgtggg gatgatgggt ccaaggtcgc gcgtgcagaa 89160
 gctgcgcacg tactcctcca cggtaggat ggtgctgtac tggccctcga ataggtagta 89220
 ggccatggtc agcagcacct ggccctcggg gtgcccgaag acgctgatga accacgaggg 89280
 cgaggtgggg cagaggaaga cctggttgag atgacgtagc acggccgcgt ggtgaaagta 89340
 caccaggtgc ttgaattcgc gcacctgcc gccgtgttcg ggcgagagca cgggcgtgcg 89400
 gaagagatgc cggtagagcg gttgcgtctc ggccctcgtc agactggcga tgagcgccga 89460
 gagggggatg ggctggcgcg cggccaggta gcgcgagagc tgcagcgttt cgttggtcac 89520
 ggcgaagacg ggcgccaccc gccgcgagtc cgagcacttt tgcgtctgta ggcagaaata 89580
 aacacgtcgc gagacctggg gtttgaccag cagggggaag acgcagtggg ccgtcgggtg 89640
 ctgcgagagt acgttggcga ctatatgagc agaatacatc tctgttgcca acagaacgag 89700
 cgtcatcgtc gcgccggcac gatgcagctg gccagcgcgc tgtgcgagct gctgatgtgc 89760
 cgtcgcaaag ccgcgcctgt ggccgattac gtgctgctgc agcctagcga ggacgtggag 89820
 ctgcgcgagc tgcaggcgtt tctggacgag aactttaagc agctggagat caccgccgcc 89880

gatctgcgaa	ccttttctcg	cgacacggac	gtggtgaacc	acttgctgaa	gctgctgccg	89940
ctctataggc	aatgccagag	caagtgcgcg	tttctcaagg	gctatctctc	ggagggctgt	90000
ttgcctcaca	cgcgcccggc	ggccgaggtg	gagtgcgaaga	aatcgcagcg	tatcctggag	90060
gccctggaca	ttcttatacct	caaactgggtg	gtgggcgagt	ttgccatgtc	cgaggccgac	90120
agcctggaga	tgttgctgga	caagttctcc	acggatcagg	cctcgctgggt	ggaggtgcag	90180
cgcgttatgg	gcctgggtgga	catggattgc	gagaaaagcg	cgtacatgct	cgaggccggc	90240
gcggctgcga	cggttgcacc	accgacgcca	ccggcggtcg	ttcaggggga	aagcggcgtc	90300
cgcgaggacg	gggaaacgggt	cgccgccgtg	tcggcctttg	cctgtccctc	ggtttcggac	90360
tcgctgatcc	ccgaggaaac	gggggtcacg	cgtcctatga	tgagtttggc	tcacattaac	90420
accgtctcct	gtcccaccgt	tatgaggttc	gatcagcggc	tgctggaaga	gggcgacgag	90480
gaggatgaag	tgaccgtgat	gtcgccgtca	cccagagccc	tgcaacagca	gccgccggtc	90540
gagcccgtgc	agcagcagcc	ccagggacgc	gggtctcacc	gtcggcgcta	caaggagtcg	90600
gcgccgcagg	agacgctgcc	tacgaatcac	gaacgcgaga	ttttggatct	catgcgacac	90660
agccccgacg	tgcttcggga	ggcggatgat	tcaccgacca	tggtcaccat	acctcctccc	90720
cagataccct	ttgtgggttc	cgcgctgaa	ctcaggggcg	tgaagaaaaa	gaaaccacg	90780
gcggcggcct	tgctgtcctc	cgcgtaaca	gcctggcacg	ttttggaaaa	cgtacgtgat	90840
cacggacacg	acgagtacgg	ggtttctcat	agacgtactt	tattaggtca	gggatgacgg	90900
ggaggtttcg	ggccgacgtc	aaaaataacg	tcattcgtgt	tgacagggct	ttctgcgtcg	90960
gagctctttt	catcttcttc	tgtctcgtcg	acgtcatcgt	ctaccggcga	gggtgtccgt	91020
tgacagcaacg	cgtgctcggg	cgtgtgggtg	aaaccgatgt	cgggggtggg	cggcacgatc	91080
atctgtccta	gggggtgact	gccaccggc	agataggtaa	agcgggtgggt	ggtaaaaacc	91140
gctttggcta	cggtggtgtg	tggggagatg	cagacgggtg	tgtgcgaagt	gttgaccacc	91200
gtcacgccgg	ccgcggtacc	cgggagccag	atggtgggtc	ggatgatgag	atccgattga	91260
ctaaactggc	gcacgcccac	tatgagggcg	cagataccgg	gcgcgtgcac	gtaggccgcg	91320
tcaaaataga	cggtttgcgt	gtgaccggga	ccgatcacca	gcgtctgacg	ggtacgtaat	91380
gaaaagaaac	ggtgttcggt	gggcggcggc	aagttcatga	gctgccaggg	ttctggcaca	91440
aaacagggga	aaacgccgat	atcgcttcg	atggtgccc	gaaagatgga	ctgaaaagtg	91500
tcgttgaggt	tgacgacatc	caactgcggg	acttgcagcc	cggattccag	cagctcgggc	91560
atgcaaacga	attgcgcgtc	caggcatttg	taaaaggtaa	tgccgaaaaa	accttcgggg	91620
atatagaggc	tgacgcccag	cgaggtgggc	actttgcgct	cgcgatgatg	ccaaatgatg	91680

tgtttattgt	aaaaggccag	ctgcgtgtgg	cattgtttga	cgatgaaact	ggaaggcatc	91740
cacttgtagg	gaactttgag	cggcgacggt	aatggcgacg	atgcttcac	ttctcccgga	91800
tgctgctctt	tgctgtat	ctcctcgatc	gattggggca	gcgtaaatgt	ggtttgaaaa	91860
tcgctatcgc	tagcgaaacg	cacgcagtaa	cgcagtgtga	cggatttctc	ggctaggatg	91920
atggagcctg	atgacggtgc	ggactcttcc	ttcattatta	acgtaggggt	ctcccagaat	91980
cgctgaaaac	gggagcgcg	cagccgcgac	agtaccagtt	gagagtcgat	tcggtcggtc	92040
aacatcgtaa	gcacgtggc	ggtggtgcga	tggagtggaa	cacactagta	ctaggtcttt	92100
tggttttatc	ggtagcggca	agttccaaca	atacgtcgac	tgctagcaca	ccgagtcctt	92160
ctagctctac	tcgcacctca	acaaccgtga	agtcaacggc	tgttgcgaca	actagtacaa	92220
ctacggcgac	aagtacttca	tcgacgacta	gtaccaaacc	cggttccacc	actcacgacc	92280
ccaacgtgat	gagaccacat	gctcacaatg	atttttacaa	tgcgcatgtg	acatcgcata	92340
tgtatgagct	ttcactgtcc	agctttgcag	cctgggtggac	tatgcttaac	gctctcattc	92400
tgatgggagc	cttttgtatc	gtactacgac	attgctgctt	tcagaacttt	actgcaacca	92460
ccaccaaagg	ctattgaggg	tggatagatt	tacagcccgg	cgggtgttcg	gcggggtaag	92520
atttccatac	gcgggtaatt	ggaggctaaa	gttacggatt	ttatctagaa	acagcagcga	92580
gtctagatag	tcccataggg	gatctataaa	cgttttctga	aacctcgctg	atggtgacgt	92640
aggtgtagtt	tcgttattat	cggaagccgt	ttcgttttcc	acggacatgg	tttcgttgta	92700
atataaggag	ctcatgtcaa	gagtgccgta	aatagtgtac	ggtgtttcgt	tacgaatcag	92760
tacgtgcgtg	tttttcataa	attctgacac	ggcggtagcg	ttacgggtctg	gtttacaaaa	92820
gggttcattc	cgataccgca	gagtagtata	cacccatgtc	gctagatccc	ttactgcgt	92880
ggccataatg	gacttcataa	agctgctatc	aggacgataa	gcaatcgtag	atgtgggaat	92940
ccgctttg	ctggtggtaa	ccctataagt	cgcgtagta	gtgacgttga	gagcggtaga	93000
cgttgtatag	gaaaaatatg	gcgtagtagt	actctgagat	tttttagtct	ttttttctaa	93060
ttgttctttg	actggcgctt	gtttacgttt	tagttttcgc	atagtgtttt	tcaacttggt	93120
gccgttaata	tacttgggga	cgcggaatag	attccggctc	atggcggtta	ccaggtagaa	93180
actgtgtgtg	cagttgcgtt	gtgcgtaacg	tagaagtagg	gcgggttaaac	ccaaaaaata	93240
aatcgtttga	ctatctacgt	taacttttagt	cggaccacg	tacaatttgg	tattccaacg	93300
tggtacattg	aaaaacatgg	ggttgaacgt	ggtaaaatta	ccgcagcctt	gttcgccagt	93360
atcattacgt	ttggaaacgt	ttaacatttc	ggaaagacaa	gtcattgaag	gcactgtacc	93420
acaagatggg	ggtctgaatg	ttatcgtttt	agccgtatga	ttgtactgtg	agtagacgta	93480

tttggcgggt	tttctaagct	gggtactata	aaaatcgaac	cacagatagg	ttatactatc	93540
gtttcgaatg	ggacccgcta	gaatgtagta	ttgtggaaac	tgggtcatat	tcatagtaag	93600
atttttaacg	tgttgccctag	tcatattgaa	gtatttttga	taaggttccc	tttctaattg	93660
ttttaaaatc	tctaacttga	atztatctag	tttttgcttg	cctatcgtag	aaagtactgt	93720
acctaaccag	taacgtcccg	gtggtctaac	gaccttacag	tttattatag	aaaataacag	93780
gacagtcagt	gatataataa	agaataatth	agaaatgctt	ctcatgtctt	cttttctccc	93840
catgacagag	gaggaaaccc	cgcaccgtcc	gtctgccttg	tggtttggct	tgcctgcgtg	93900
tactcactgc	tgattctggg	cgttttgctg	ctcatctacc	gttggtgcat	cggcttccaa	93960
gacgacctag	tctcccgcac	cttggctgtg	taccgagctt	gtatccaggg	cccgatatgt	94020
aaccagaccc	acaacagtac	ctcgtaaata	aagacgcaca	gacctcacgc	acatagtacc	94080
atcacaccgt	gtggcgtgta	ctttattaca	acgagcaaga	tgcccctaa	gtgttggggc	94140
ccgtaccgtt	ttagaagggt	ttgtgtgaat	gtctttaact	tctctgtcct	ttttctcgta	94200
aactgtcagg	tcctagagtc	agcatgtctt	gagcatgcgg	tagagcagat	agatgccgat	94260
gatggccgac	aacgcgtaga	cggacatcat	gaggagacgg	ctgtcgggtg	cgtccacgac	94320
gacgtcagtt	acttccagga	ccgtaccgtt	tttcaacagc	atgaggtagt	gagttcgtgg	94380
agatgagacc	accacttcgt	tgtagggatc	cagggcacaaa	aggacgtcgt	ccgagtcgtg	94440
catgtacatg	atattaatga	cgccttgctg	gtcgtcgtat	tctagtaagg	cgctttggca	94500
gaaggcgag	ttttctagcg	aatgttgag	cgccgctgtg	atgctgtgtg	tgggtgtgcat	94560
gttgcgcgtc	agttcgcat	tactttgact	gtccgtctgg	gtgatgatga	ggctctggcc	94620
tacgacgggtg	gtggagacag	ggtaggagat	acctttgatc	aggtattggg	ttgttacgac	94680
gtagctgacg	tgttcggaga	cggtagcgc	ggagaaggat	tcgcctagt	gcagacacaaa	94740
caggctcggg	aaggtttcca	gcgtgcttg	ttgcatggta	gataggatgg	agagggcggc	94800
gggaacggta	gcggggacgg	tggcatcggg	gaagagacgc	gtaaggcggt	cgagcgagt	94860
atcgcgctgc	ccgctactgg	aacagggtgt	gtacagggtc	ctgaggtatt	cgtggtgcgg	94920
atgagctagc	aactgcgtaa	agtgtgatag	ctcggccaat	gaacagaggc	ccgtttctac	94980
gatgaagatt	tcgcgtctct	ccgtcgtatg	caccagcatg	gagtggacga	ggctgcccat	95040
gaggtagagt	tcttggcgcg	cgaaggctga	aagaaaagag	gccagggtgc	ttttgtgtaa	95100
ttgtagggca	aagtcggcga	tctgtcgtag	tgcccactgg	ggaatgagat	gttgctgatt	95160
ctgttttagaa	agtatgtaga	ccaggcgtac	gaggctgggt	atgtcgggtga	tctgggtccg	95220
cgtccagagg	gctcgtttgg	ccagggtccac	ggccgtggga	tatagcagca	atgtggtgcg	95280

tgggtggtggt	tgtgagagggc	aggtgatcat	aaattcttgt	atttgtaaga	gtgcggcctg	95340
gcggtctagg	gcccgtggga	tggagatttc	ggtgccggcc	tcttcttgtc	gggctgccgc	95400
gaacagtgct	aatgcgtagg	caaaggccat	ttctaccgtg	cggcgggtcca	gcatttgaca	95460
tcgaccgctt	ttgagtacgt	ctacagcgta	acggtgaaag	ctgttacgta	gcagtgcgct	95520
gaggtccagg	tagttgaagt	cgagtgcggc	gtcgagaaag	tccgagtctt	tgagatagga	95580
gtgacggttc	agttgagttt	tcttaactag	taccaggagc	tcgtgttttt	cagtttgtcg	95640
tagtataaag	ttgtcgcgtt	gatagggcgc	tttgaagagt	acgcgtggaa	gatgaccgaa	95700
gataagcagc	atgggtgtgt	cgtcgtctat	ggataaccgta	actacgaaga	agtcctcggg	95760
cagtgtgatt	ttaacgtaac	gtagttcgtc	catgaggtaa	aagccctggg	gcagacaggg	95820
cgtaacgggtg	ctgaaaagca	gatcgtgtcc	atcaaagagg	atacaggctt	ggttaaagtg	95880
tggccgatgt	agtcccagg	tgggtgtcga	tcccttccag	tcgtgtggag	tggtttgggg	95940
tggcatccag	acgtgaggta	ttgacagatc	aatgggcggg	ggcacgggtg	tgggctgctg	96000
accagggtg	tcttgtgcct	tcagctgctg	cgaaaaagat	cggtagctag	ccaggctctt	96060
ggataccaat	gcgtaggtgt	taagtctctg	ttggtatctt	tctagggttt	cggtcagatc	96120
tacctgggtc	agaaactgct	ccgccagagg	acccgcaaaa	agacatcgag	gcatatggaa	96180
tacatagtat	tgattatagc	tttggaaaaa	gttgaaactg	atggcgtttt	ccctgacgac	96240
cgtgctgtta	cggaggctgc	tgttgtaggt	gcactgggtg	gtgttttcac	gcaggaaacg	96300
gatgggtctc	ccataggtgt	tgagtagtag	gtgaaacgcg	tgagggtcca	gcgcttcgga	96360
tgcggcgtct	gcgccatata	gttgcaagg	taggtgacta	aggaggtaga	cggcgaagac	96420
ggtgaggtag	aaggggaggg	cgggccgcat	agcgcgcccg	cgccgctggg	ttcagcggcg	96480
tgatccagg	ggtggttggc	gttacacccg	agagaaggag	aaaaaggatc	ccaggaagga	96540
gcacccgggt	gcggcgctac	gggttacaaa	agtcgcgtct	tcgtctatct	aatacgaatg	96600
cattggccgc	tgcgaaggga	gaagagggga	cacgcgaata	agccatgccg	tccgggcgtg	96660
gggacgacgc	tgatttgacg	gggaacgctc	tgcggagatt	gcctcacgtg	cgtaagcgga	96720
tcggtaagcg	caagcacctg	gatatctacc	gtcgctgctg	gcgggtcttt	ccctcgtttg	96780
tggcgcttaa	ccgcctgttg	ggaggtcttt	tcccacccga	gttgcaaaag	taccgtcgcc	96840
gtctttttat	cgaagtacga	ttaagtcggc	ggattcccga	ctgcgtgttg	gtgtttttac	96900
cgccggactc	tgggtcgcgc	ggcatcgtgt	attgctacgt	gattgagttc	aaaaccacgt	96960
actcagacgc	cgacgatcag	tccgtgcggg	ggcacgccac	ccacagtctg	cagtacgccg	97020
agggcctgcg	ccagctcaag	ggcgcactgg	tggactttga	ttttctgcgt	ctgccacgcg	97080

gtggcggtca ggtttggagc gtggtgccca gtctggtttt ttttcagcaa aaggccgatc 97140
 gcccatcctt ttatcgggct ttccgctcag gccgttttaa cctgtgtacc gattctgtcc 97200
 tggactatct agggaggcgt caggatgagt ctggtgcaca ctttttggcg gctacccgtc 97260
 gccgtcttct tcgagccgca cgaggaaaac gtgctgcgct gccccgagcg cgtgcttcgg 97320
 cggttgctgg aggacgcggc ggtggcaatg cgcggcgggg gctggcgcgga ggacgtgctc 97380
 atggaccggg tgcgcaaacg gtatctgcgt caggagctga gggatctggg tcacagggtta 97440
 cagacttact gcgaggatct cgaagggcgc gtgtccgagg cggaggcgct gttgaaccag 97500
 cagtgcgagc tcgacgaagg accgtcgccg cggacgctgc tacaaccacc gtgtcgtccg 97560
 cgttcgtcgt cccaggggac cggcgtggca ggagcttccg ccgtcccaca cggcttttat 97620
 agtcggcacg atgccatcac gggacccgtc gccgcgcgct cagcggccgc cggtgcttct 97680
 tctacctggc tggcgcagtg cgccgagcag ccgttgcccg ggaacgtacc taactacttt 97740
 ggaatcacgc agaacgatcc ctttatccgc tttcacaccg attttcgcg cgaggtggtc 97800
 aacaccatgt tcgagaacgc ctccacttgg actttctcct ttggtatctg gtactatcgg 97860
 ctcaagcggg ggttgtacac gcaaccacgg tggaacagag tgtaccatct ggcgcagatg 97920
 gacaactttt ccatttcgca ggagctgctg ctcggcgtgg tcaacgcttt ggaaaacgtg 97980
 acggtgtatc cgacgtacga ctgtgtactc tccgatttgg aagccgccgc ctgtctgcta 98040
 gtcgcctacg gacacgcgct ttgggagggc cgcgatccgc cggactccgt gacggcggtg 98100
 ttgagtgagc tgcctcagct gttaccgcgt ctggccgacg acgtgagtcg tgagattgcc 98160
 gcttgggaag gccccgtcgc cgcggttaac aactattacg cgtatcgca ctcgcccgat 98220
 ctacgctact acatgcccct aagcggtggt cgccactatc acccgggcac ttttgatcgt 98280
 cacgtgctgg tgcggctttt ccacaaacgc ggcgttcttc agcatttgcc gggctacggg 98340
 acgataacgg aggagctggt gcaagagcgt ctgtcgggcc aggtgcgca cgacgtgctt 98400
 tctctctgga gtcgacgtct gctggtcggc aagctgggtc gcgacgtgcc cgtctttgtg 98460
 cacgaacagc aatatctgcg ttcgggcctg acctgcctgg ctggcctgct gttgttgtgg 98520
 aaggtgacca acgcggatag cgtcttcgct ccgcgcacgg gcaaatttac gttggccgac 98580
 ctgctgggtt cggatgccgt agccggcggc gggttgcccg gggggcgcg cggcggcgaa 98640
 gaggagggct acgggggacg gcacgggcgg gtacgtaact ttgagtttct ggtacagtac 98700
 tacatcgggc cgtggtacgc gcgcgacccc gcggtcacgc tgtcgcagct ctttcccggc 98760
 ctggctctgt tggccgtgac cgagagcgtg cgacgcggct gggatccctc acgtcgcgag 98820
 gacagcgccg gaggtggcga cggcggcggc gccgtgctca tgcagctcag caagagcaac 98880

cccgtggccg actacatggt cgcgagagc tccaaacagt acggcgattt acgtcgctta 98940
 gaggtacacg atgccctgct ctttcactac gaacacgggc tagggcggtt gttgtcagtg 99000
 accctgccgc gtcaccgtgt gtccactctg ggctcgctcc tctttaacgt caacgatatt 99060
 tacgaactgt tgtacttttt agtggtggg tttcttccga gcgtggcggt gttgtaattt 99120
 ccaccacgtg tcgctcgctg cataaagggc gaacgtcctc ggagagggtt tattcggtcg 99180
 gcgagagcgg gcggcggtgg tgggtatgtc cccttctgtg gaggagacta cctcagtcac 99240
 cgagtccatc atgttcgcta ttgtgagttt caaacacatg ggcccgttcg aaggctactc 99300
 tatgtcggcc gatcgcgccg cctcgatct actcatcggc atgttcggct ccgttagcct 99360
 ggtcaacctg ctgactatca tcggttgctt ctgggtgttg cgtgttacgc ggccgcccgt 99420
 gtccgtgatg atttttactt ggaatctggt acttagtcag tttttttcca tcctggccac 99480
 catgttgtcc aagggtatca tgctgcgtgg cgctctaaat ctcagcctct gtcgcttagt 99540
 gctctttgtc gacgacgtgg gcctatatc gacggcggtt ttttctctt ttctgatact 99600
 ggatcgtctg tcggccatat cttacggccg tgatctctgg catcatgaga cgcgcgaaaa 99660
 cgccggcggtg gcgctctacg cggtcgcctt tgcttgggtt ctttccatcg tagccgctgt 99720
 gccaccgcc gctacgggtt cactggacta ccgttggcta ggctgtcaga tcctataca 99780
 gtatgccgcg gtggacctca ccatcaagat gtggtttttg ctggggggcg ccatgatcgc 99840
 cgtactggct aacgtggtag agttggccta cagcgatcgg cgcgaccacg tctggtccta 99900
 cgtgggtcgt gtctgcacct tctacgtgac gtgtctcatg ctgtttgtgc cctactactg 99960
 cttcagagtc ctacgcggtg tactgcagcc cgctagcgcg gccggcaccg gtttcggcat 100020
 tatggattac gtggaattgg ctacgcgtac ccttctcacc atgcgtcttg gcattctgcc 100080
 gctctttatc attgcgttct tctcccgca gccaccaag gatctggatg actcctttga 100140
 ttatctggtc gagagatgtc agcaaagctg ccacggtcac ttcgtacgtc ggttggtgca 100200
 ggcggtgaag cgggctatgt atagcgtgga gctggccgtg tgttactttt ctacgtccgt 100260
 ccgagacgtc gccgaggcgg tgaaaaagtc ctccagccgt tgttacgccg acgcgacgtc 100320
 ggcgccggtt gtggtaacga caaccacgtc ggagaaagcc acgttggtgg agcacgcgga 100380
 aggcattggct tccgaaatgt gtcctgggac tacgatcaat gtttcggccg aaagttcctc 100440
 cgtcctctgc accgacggcg aaaacaccgt cgcgcccgac gcaacggtga cggcattatg 100500
 agcggcgggc ctgtacggca gcggggagaa aagtggcaga taaatcacgt caggttcaca 100560
 cgtcgttagc cagcgtcggc atatgaaggc gcggggcggc cagtacggcc tctgggctga 100620
 gacaggacga ggcagggtga gaaagaggag gatggggggg accgggggtg tggtgctgct 100680

gctgttggtg gtgcggacgg tgcgggtgcc gggacagcgt gccggcgaac gttctgtaat 100740
cttcataat aaaagtaaaa atgcccgtct cgtgtcgact ccgctggatc tcgaaggcgt 100800
cgggggtaat gcgcatcttg ccggtgccga tgagataaaa gtaccacatt ttttgacaga 100860
tgatgcgaat caagggttcg tacgcttcgg caccacagtg gcgctgaag aaggccgcca 100920
gacgaaacaa gcggtgtccg tagagcgtgc ctagggagaa gaggatgttg ccgttgcgcg 100980
ccaggtcttc ggggaaaacg accggcaggg cgggtgtggcg ctgcacaaag cgcgtcagca 101040
gtccgccgct caagcgcggg tgacacaggg gctggctgag acgggcgggc cgcgtttcat 101100
cgaacacggc cgctcaaag tccagccccg ggaaggcctg gcgcagttcg cggtaacagat 101160
gaggccagta gggttgcggc gtcttgcgac taagcacggc gtggtccgag acaccaggt 101220
tgttcatggt ttcgcgcagt agcagcgttt cgagaccgcg gtgaaagagg aggacgcaga 101280
tgaggcgtag gatcttgagt tcttccaaac gcagcgagct cagcggctgt ccgcgcgaca 101340
tcttctcgct aatctgtaat attagatgat tggcgcaagt aaaggagaat ttgcccgctgc 101400
ggacccgcgg gacggcgggg ttctcttcgt cgcgggccat catcgttcgc tcggtgagcg 101460
ggtagcgacg gtgaggacaa tgacgatgga cgagcagcag ccgcaggctg tagcgccggg 101520
ctacgtgggc ggctttctcg cccgctacga ccagtctccg gacgaggccg aattgctgtt 101580
gccgcgggac gtagtggagc actggttgca cgcgcagggc cagggacagc cttcgttgtc 101640
ggtcgcgctc ccgctcaaca tcaaccacga cgacacggcc gttgtaggac acgttgcggc 101700
gatgcagagc gtccgcgacg gtcttttttg cctgggctgc gtcacttcgc ccaggtttct 101760
ggagattgta cgccgcgctt cggaaggctc cgagctgggt tcgcgcgggc ccgtcagtc 101820
gctgcagcca gacaagggtg tggagtttct cagcggcagc tacgccggcc tctcgctctc 101880
cagccggcgc tgcgacgacg tggaggccgc gacgtcgctt tcgggctcgg aaaccacgcc 101940
gttcaaacac gtggctttgt gcagcgtggg tcggcgctgc ggtacgttg ccgtgtacgg 102000
gcgcgatccc gagtgggtca cacaacgggt tccagacctc acggcgggcc accgtgacgg 102060
gctacgtgca cagtggcagc gctgcggcag cactgctgtc gacgcgtcgg gcgatccctt 102120
tcgctcagac agctacggcc tggtgggcaa cagcgtggac gcgctctaca tccgtgagcg 102180
actgcccaag ctgcgctacg acaagcaact agtcggcgtg acggagcgcg agtcgtacgt 102240
caaggcgagc gtttcgcctg aggcggcgtg cgatattaa gcggcgctcc cagagcgctc 102300
gggcgacagc cgagtcagg ccgccacgcc ggcggtggg gcgcgcgttc cctcttcgtc 102360
cccgtcgct ccagtcgaac cgccatctcc tgtccagccg cctgcgcttc cagcgtcgcc 102420
gtccgttctt ccgcgggaat caccgccgtc gctttctccc tcggagccgg cagaggcggc 102480

gtccatgtcg caccctctga gtgctgcggt tcccgcgcgt acggctcctc caggtgctac 102540
 cgtggcaggt gcgtcgccgg ctgtgccgtc tctagcgtgg cctcacgacg gagtttattt 102600
 acccaaagac gcttttttct cgctacttgg ggccagtcgc tcggcagcgc ccgtcatgta 102660
 tcccgggtgcc gtagcggctc ctccttctgc ttccgccagca ccgttgccct tgccgtctta 102720
 tcccgcgccc tacggcgccc ccgtcgtggg ttacgaccag ttggcgacac gtcactttgc 102780
 ggaatacgtg gatccccatt atcccgggtg gggtcggcgt tacgagcccg cgccgccttt 102840
 gcattcggct tgtcccgtgc cgccgccacc atcaccagcc tattaccgtc ggcgcgattc 102900
 tccgggcggt atggatgaac caccgtccgg atgggagcgt tacgacgggtg gtcaccgtgg 102960
 tcagtcgcag aagcagcacc gtcacggggg cagcgggtga cacaacaaac gccgtaagga 103020
 agctgcggcg gcgtcgtcgt cgtcctcgga cgaagacttg agtttccccg gcgaggccga 103080
 gcacggcccg gcgcgaaagc gtctaaaaag tcacgtcaat agcgacgggtg gaagtggcgg 103140
 gcacgcgggt tccaatcagc agcagcaaca acgttacgat gaactgcggg atgccattca 103200
 cgagctgaaa cgcgatctgt ttgccgcgcg gcagagttct acgttacttt cggcggctct 103260
 ccccgctgcg gcctcttctt cccaactac tactaccgtg tgtactccca ccggcgagct 103320
 gacgagtggc ggaggagaaa caccacggc acttctatcc ggaggtgcc aagtagctga 103380
 gcgcgctcag gccggcggtg tgaacgccag ttgccgcctc gctaccgcgt cgggttctga 103440
 ggcggcaacg gccgggccct cgacggcagg ttcttcttcc tgcccggcta gtgtcgtgtt 103500
 agccgccgct gctgcccaag ccgccgcagc ttccagagc ccgcccaaag acatggtaga 103560
 tctgaatcgg cggttttttg tggctgcgt caataagctc gagtaagaga gacgctatat 103620
 ttagggcttc cctctctttt tttttctac accgtgatac cctaataaag tacaccgcgg 103680
 ttattatcaa cgtctctgtg tttttattat ttagaaataa atacagggaa tggggaaaac 103740
 acgcggggga aaaacaaaga agtctctctc tagatgcggg gtcgactgcg tggggtgctg 103800
 gaagtggaag cggtgctgat gggtaggggt cgtggcgcg gcacggaccg caacgtgctg 103860
 ctgatgtctg ccgcggtacg cacgtcgccg tccatgtcgc tcgcagata agaggtaggt 103920
 cgtaatgcgg cgtgttgac gtcaccgtt aatggtacca agtcgtcaag gtcgcaaag 103980
 acgtgccacg aggggatgac gagcgtgaga gcccgttgt taccgcttcg acgtctttgt 104040
 ccggtcagga tcagtgcccg ggacagtccg gcttggggtg ccgagtcctc gtcgccgctg 104100
 gcctcctcga agccggcaaa catggcttcg gacagggggg tcggcgtcgg tgtggatgag 104160
 aggtcatctt cgtcgtcctc ttctcttctt tcctcctctt cctcgggtgg tggtaatccg 104220
 ggggactgcg ggagaaactc ggagacggcg ccgcgcatga cgttgctccg tggaagaga 104280

ccggcgcgca gctgcacctg gggacgcttg attttgtccg gtttaccggg tgtgagagtc 104340
 caaaacccac ggcggaaaaa gtggatgcgg cctagcggct gtcggtgttc caaatgaacg 104400
 gcctgatcgc cggtcagcgt gacgcggagg gtgattcgca cacgatcggg tagcgggccg 104460
 gcttctatgg agacgcccgg gatgttttcc gggaaaaaga tgggtgctgtg agtctgattg 104520
 gtctcgaaaag cattctggat ctgcacgatg tactcgggat gtatgcgcgt cagcgtaaaa 104580
 cttttgggaa tcaacagctg gaagccgttg tccggcaagc gtcgtaggtg cgggtacgga 104640
 ttgtgtcgcg ccaccacctc ggcgcgatgc gtgtaaaccg aaaagtgcag aaacacgctg 104700
 gtcggcgggg gcggtgagtc gtgatgcaga aacagcatga tccattggcc tcgctcgtcc 104760
 gtctccgttt tgtggatgta cgtattaggg tccgaacagg ccagctgctc cagggcgtct 104820
 accaacgtca gcgggatagc gccggcgcgca aaggcgaact ggctgacaaa gatctggccg 104880
 gcctccaagc tgctgtcggg tctgcggcgc cagttcggcg ttacagtcag tcgcacggcc 104940
 cagtagtgag ccgtgcggcg gatgatggcg cgcgcctcca ctgcggccg attttcttcg 105000
 ccgccgcgcc gctggctctg aaagaggtgc agtccgctga cgggtacgcg atccagcggc 105060
 agcgcaaagg ccagcacgga gaccgtgttg ttttctgagc ctggcgctcag gcgtcgtggg 105120
 ccaaagttgt tgaggtccac cagtagtcgg tcctgttcgc ccaccacgca gcggcccttg 105180
 atgttttagat cggtcaggtc tacgggtgtcg tgcggagatt tgttctcctg aaaacagcag 105240
 agaaccgagg gccggctcac ctctatgttg gtacgcaggt ccaggagtcg tagacgaccg 105300
 gcttccagcg agccgccttc cacgttggtg atgagccgaa gcacctggca gtgcaggcga 105360
 ccaaagctgc cgctggcggc ttcggcctcg ctgatcgcgg ccgcttccga cgagggtccc 105420
 tcaccgggcg aggacgatgc ctgagacatc gcgaaggcgg gatgggggga gggtcagggg 105480
 atgcgcaaag gtgaacgggt ctctgtggga ggtcgggaag ggttccggca actgtcgcaa 105540
 atatagcagc ggcgacaggt gtggcgccca aaagtcgcga gtctgagtgg acgtgggttt 105600
 ttatagagtc gtcttaagcg cgtgcgcggc ggggtggtca acctcgatgc tttttgggcg 105660
 tcgaggcgat gcatggcccg ggcagggtt cttgccggtg gcggcgacgt ttgggttgcg 105720
 cagcgggctg ccatacgctt tccaattcgg cgaagatgcg gtagatgtcg ttggcgtccc 105780
 agaagaactc ctggtacttc agattctgac cctgaaccgt agccaccatg ggcaccaggt 105840
 tgccggccag gatgccggcc tgccagggcg gccaggtgaa cacggccgga ttgtggattt 105900
 cgttgtcgga atcctcgtcg gtgtcctctt cgggcgcgac ggtggactcg gccttaaggc 105960
 ggccgcgtgt cataacgccc gacgtgcacg ccgttgccga ggatgctgat ttgcgtttgc 106020
 ggcccgcgga agtggaggcg cccgccatgg cgccgccgcc ggtgacgcgg ggcgtcttgc 106080

gctcgggtggt tacgagttct tcgtcggagt ccgatccgct ggtccagacg tcgtcgtcgc 106140
cctgggcggc accctcgtcg tgccgggtccc aggtgtgtcg gtactcaagc ttgccctgga 106200
tgcgatactg gctggtgaag gtgggggtgct cgctgtactg aggcccgcgc tgcagcagca 106260
agtcgatatc gaaaaagaag agcgcagcca cgggatcgta ctgacgcagt tccacgggtct 106320
cgcgatatcg ttgtacctcc aggaagatct gctgcccgtt catcaacagg ttacctgaga 106380
tgctcaggcc cgggatgctc ttgggacaca gcagcccaaa atgctcgtgt gaggtaaaag 106440
ccacatccag catgatgtgc gagatcttgc ccggtttgat tatcatattt ttgggacaca 106500
acaccgtaaa gccgttgctg tcgtgggggc gcatgaaggg ttgctgggtg cgggtcatcg 106560
tcaggtcctc ttccacgtca gagcccagcg tgacgtgcat aaagagcttg ccggagggca 106620
cgtcctcgca gaaggactcc aggtacacct tgacgtactg gtcacctatc acctgcatct 106680
tggttgcgcg cgtgttctcc atggagcaaa ccagctcgtg cgcgcacacc acgtgccgca 106740
gtgccacgtc cttggtggga aacacgaacg ctgacgtgta gtagacgtcg ggctctttcc 106800
actggttctg ctgacgcgtc caggccagtc ccgagaccgt gagacgcgcc tgccacatct 106860
gcttgcccga cgcggtgaatc acagcgtcgg ctacgggcag gtgtcgggtg ttgcgctcgg 106920
ccgccgacgg gtagtggtgc acgttgatgc tggggatggt cagcatcttg agcggcagcg 106980
cgtacacata gatcgacatg ggctcctggc tggggcagat gcttcggccc gtgggggtgt 107040
gcacgttgac cgacacgttc tccacctcgc tgcccgtaaa gtacgtgtgc tgcacctgca 107100
gctgattgtc gccgcggtgg catggcgctc agtcgggcgt gtactgcgac accaggatca 107160
gcgagggctg gctcacgcgt acgtggatac ccgtctgcag gagtcgcgtc tcgtgcggca 107220
gcaccggcgt atcgccgca ctaaacacgg ctttcagcac gtgccccgaa atgggaccca 107280
gtacggatat catttcggga caacggcgac cgcgcgactc catgctgcct gcgcgtacgg 107340
gtgtaggcga ctgagcggcg cgccctctgc ggccgcccgc ttacataggc aggcgaccaa 107400
acgcggaacc cgaaataaaa acgttatata cagagacaac cgcggtattat tgagtgtctt 107460
tttttattac aaaaaaaaaa aggcaaagcc ccaccgtcac cacaccccat cacacaccac 107520
caccgatttt ttttgtttta atcccgtatt gcgcggacgc ctagtgtccg ttttccatca 107580
ccagggtcct ctgttttagag atcgccgcag accatggcta gtagtacagg actcgttttc 107640
tctgtcgtat tttccgtaag cttacagtct tgcggttccg tctccgggga cgccagtcgc 107700
atgggcagca ggtcctccag cgcgatggaa gcgcccagca ccgagagctg ctgttgcgac 107760
ggcgaatggg acgtggaccg cgagtgtagc gtggatttga cttggtgcgt cattgctgac 107820
aggcaaccgc gattcagcgt atgctttgac gagataaaat agaggcgtcc caggagcgcg 107880

tcccgtggga acgtggcgcc gttctcgtcg cttaccagta cggttaattc caaccaggag 107940
 cgcggtagcc agaccgtaac gggcattttg agtccctgac ggttgtgtgg taaaaaaca 108000
 cccagataag gcccgtaaaa gcggcggtag atacgtaacg tgtgagagtt tttcagcgtc 108060
 aattcgtaag ggacgcgcac ctccagtccc tcgtccgccc cgccggagcg tggcggtaca 108120
 aagtaaggca gtggcgcgtc cgaaaagaag ggtcgtcgca ccgtttcgcg tcgcagccgc 108180
 aggcgaaacg cactgggtc ggctggcgcc tcggtgcggt cgaggtcac gttgaaacgt 108240
 aacatgccgt cttggtatag cgtgagtgac gacagcgta ggtccggcg tgattcgttc 108300
 gggcttagct ccaatcgccc aaagacggag ggtcccaatg tcttggctgt ggtttccgag 108360
 aggcgcgccc agatacggct ggtgagtgca cgcgccccg agatgccgc ttccactcga 108420
 tgccagcaca gcgcgtgtcg tacgcgcacc gtcagcgtgg gcgtcagatc cgtgtccgtt 108480
 gattccgagg aaatcgcggt ctccgttacg ttgtttatat ccagcgtcgg ctggaacgtg 108540
 agttctggca gatgcagcg cagacagtcg tgtaacgccg tgtgatgcgc ggctttacgt 108600
 cgtagcggta gccgtttcag cagcggcggt atgatacgg ggcgaagag attgagtgat 108660
 aagcgcacga tggccatgcg cgtcagttgt tggtaatta ccgagcgag gatatggcag 108720
 cctgggcgtg cgggaaagag agagaaggcc gggcgcacgt cagaatcctc gttagagacc 108780
 acgcatagaa tgccgcgttc acgatcgtcg ttgcggtcac cctcgtcctc ttcttctttc 108840
 ttcttcttct tttctttttt tttctcgggc tcgtgggaag ccgccgtttc ttcttcttgc 108900
 gacgtcgcgg gggcggtttg agactcgccc ttcgcttccc ccaattgcag cggcgtagag 108960
 agcagaatct ggaagggatc ccgcaattct tcgggtcgga ggtcgaggtg caactggatc 109020
 agatggtagg tgccgcggtg caccgagggc tgacggatgt cgtgtttatc cgtcagtggt 109080
 aggatggtct gcggtgagcc gctgtgcttg tccagctcgt ccggcgtttt caggagaaga 109140
 ctgtcgtcgt cggtactggc gacgcccata atggctcgtg tggtagtggg ggagaggaaa 109200
 gtgagcggcg gcgtcgacag agctcggcgt tggcgggcgc atttgccgct gtgtcggctg 109260
 ctattgctgc caacgccacc gccgccgctt cgtctggctc gtggccggcg ggcccgattc 109320
 cgaaggttgg ggtcgacgcg tggcatgctt ggtgtctgcg ggcgcgagag ggccggctca 109380
 gcctttaaat atgcaggtcg cggatttgtt atcgggtgaa acgtcacaca ccgtgaagac 109440
 gacctgttcg cggtatgaggt catccagctg tcgcagcatg acgaaaagcg ccgacagccg 109500
 cgcatctcgt tcgtcgggag acacgtgctg tggccgcgag ggcgtgcgag gctcgcggac 109560
 gctgcgctcg cggccagacc gcatcagcag ctctggcac ttgacgagca gcatggagct 109620
 gtcctctagc gccaaactgc gcacgtaggt catggtcagc tccgaggcta ggttagccac 109680

catggacatg gagaggcagg cggctctcat gtcgatcagc aggtgctggt cgatgaccgg 109740
atcgggggatg gtgaagggtg cgctcgcaaa agtaatggtc tgcagctgct gcacggcagc 109800
ctttacctcc tcgtacgaac ggctcgagcga gaagaggccc atgatgagta gtcgctggtt 109860
gatttccagc gccagtggca tgggtacgat ccagggcagc accagctccc actggcccag 109920
cgctcagcagg ttctcgcgcg ccagcgggtcc gtggaagagc ggccggcagca cgcatagcgc 109980
gtcgcccttc tcccaagtca cgggtcccgt gttgaggacg gtgtagagca gtccgtgctg 110040
cggtagctgt aggaggatct ggttgccttc tacgcgccgc atcaacgtca gcgtcatatt 110100
gcgcagcagg ccgcgcagtc gtacgtagcc gcgggtgtga tctacgaact ggtgtaggcc 110160
cagctggtag tgcttgatga gatgtagacg ctgcggaatg ggcaaacgg ccgctactag 110220
tttggtcagt ttgcctacgt cggcgatgct gagcttgttg tcgaaagtgc agaagatgtt 110280
ggcctccatg gccgccatag cggcggtgaa atcctggccg cgacggagga gaagcggaga 110340
cgaacaacgt ctgcaccggg cgcggcgta gagcgagcgt ggccgcgtcc ggcccgcgtt 110400
tgcgctctagg tgaccgcgcg ctaacctgcg gtcgtcgccg tcctcctcac cggacggcct 110460
cacgagttaa ataacatgga ttgctgcagc gggatgattt cgcctacgac gtagttacca 110520
aagtgcgttt cggacgtagc aaaagccccg gcgccaccct tgagtttggt ctccatcagc 110580
gccagcgtgg tgggtgctgag gatcggtagc gcttcctgcg tcagacggca cgggttttcg 110640
atgagttgtt ccgtgccttc gacgcagacg tactgcgtgt ccgtgtcgcc gcggatgcag 110700
tccttggcgc gtagcaggta ctgcgcgatg gttttgaaga gcgttttggt ggccgcgata 110760
atctcttctg tgttaaagta ctgcgcgagc gggctgtaga atttggagtt gtagcctaga 110820
cgttcgcgat gtcgggtgtt gtagagtacg tcgctcagac agccggcttg cgaggcccag 110880
gggttggtg tgccgcgcaa agtctgtgcg tccgcttcgc gatggtcgta gatggccttg 110940
gtggcggcct ccgtgtcgta cggatcgacg gccagcatgc aggaggcacg cccgcgcggg 111000
ttgttgggga tcttaaagta attaacgtcc atcgtcaccg gcgtaaggat tagttcgcac 111060
gcggcctttt gtccgtgcac cgtggcggcg gcattgcgct cggacatgct gccgaacgtc 111120
agcatggaga tggctccgt atctaacagt tgcggtcgtt ctacgccggc cgcgtgccgg 111180
atccagcggc ccacctcgtc gtgccgttac acgttcatag ggaagacgcg aaagagggtc 111240
tgcacgcgga ccccatgtc ggttcgcacg cggtttacgt aggctacaca ggtatttgac 111300
gtgtaacca gacctatgtc tacggtgtta atgttctgcg tgacgtggta cgtggtgctg 111360
atgtcgcgtt cctccttggt cacgataggg ttgttgatga taactgacgt gcacgacttg 111420
ccgctgtaga gcagcatgtc cacctcgaag gtgtcgggtc gtacggccgt gagtgcgaat 111480

cccgggtgga tgtgcgctt ggtctgcagc accagtgaac ctggtgagat tttgtataac 111540
 atggcgccca gcgtcatgac tgagtgcac acgttgggac aggtggccga gtaacgcgaa 111600
 aagggcgagc gcagccagtt gtggtactcg tgtgcgaagg ctgtgggtag cgggaaacca 111660
 ccgtcgtgac ggtgatagtg cgggaactcg gtcacgtagc gtttaatgtc gtcgctcaac 111720
 gctgcgcaga tgggtggggtt tgagtagaaa cgggtggaaag gtacgggtag gctgtactcg 111780
 atcaacgtct taggcgccgt cacgacgcag cagccgttgt aaagcacgtg ctgacgtgag 111840
 ataaagtccg gcaggccctg acgctgcgcg tgggtccagag gcgcgcgtac ttcgagcacc 111900
 ttgacgtgct cgcccacgaa ttgcacggcc aaaaacagtt cacgacaggc ctgcagcagc 111960
 ggcgtatgcg cgtcgggtggc gacgtcctcc accagctcgg tcagcatctc gcctacggct 112020
 tgacgttgcg ccgctatcga gtcttcgggg gtgacgccgc ttgtgctctc tttcgacgtc 112080
 gtacctgacg tggagaccgc ggtggcggcc ggcatcagga gaaacgccgg tcggtaaaag 112140
 aggtctacta gcagcgtctt gaggttgagt ccagggccgc aggccgggtt gttggtcatg 112200
 gcgggcatga ggcagagata aaagacctt tgtaacgtcc attcgtcgtc ggtggcacgg 112260
 taatcgtcca caaacagcgg ctctcggca tccatggcgc ccaaacgcgg tacgtccgaa 112320
 acgccgtggt gtcgcgcctc gatgttgcc gggttcaacg gttgccggtc ggctactacc 112380
 tgtacgcctt ccatgttacg cggcaggtgc gtaacgaagg ggggccacag ccggtggtcg 112440
 tgcagcgcgt tcacgtaagc cgatagcggc tcctcagcca gttgaccgtt gttaagtccc 112500
 ggcagcgcgt agatgcgcgt caccagacgc agcacggcga tcagattgcg gtagtgaaag 112560
 agcaactgcg gtggtagagc gccatcagcc aggtgttcgg cgatcaacgt caccagcgca 112620
 tagctgtgcg caaaaaccag cagctgacgt gtgtgaaaca tgttgacgat acaacgtgct 112680
 acgaaagtgc ggattagcaa aaaagcgtcg acgttgccgt gtaccagcac gtcaaccagg 112740
 tagcagagct cagggttaatt ggggcttgct acggtggttt taaaagtcg caacgtgtct 112800
 tcgtagtcgg gtggtggccg cagtcgcatg tgttccatga tctcccaggc gcgcagttcg 112860
 tggaaggggc ccggtgccag tccatctggc aaattaccga tgacgatacg cgggtgtacac 112920
 agcgccaccg tttcgtgtgt ttctggcag tgcgtaaagt cgaagaaggg gtgcagctcg 112980
 gtgtagagcg tgatgttgcc cacctttagt aagtcggtga ccacaaagtc ctgcttcatt 113040
 tcgttcaccg tgcgcgggac ctgcgctcgt acgcggtaaa aatgcggtat gcggcgcgcc 113100
 gcaccgcca tgggttctct ctgaaaacga cactcgagca gtcgttgcat ggcgggttcc 113160
 gagggcggtc cgcgttcctg gaaggtctgt agacaggcg cgggctcgtg cagcaccggg 113220
 tggcacagcg tcttgagcgc gtccacaaag tctatctttt gtacggcacg gtcccgggtt 113280

agcaggtagg ccgtggtggg caacgcgttg cgaacggtgt cgttaagctt aactttgctt 113340
 tctaccgtgg tgtaaccgcg atcctcgggc agatacagcc ctacggggaa gaaaaacgtc 113400
 aggtccacgt tacgttctag cggatctttg gtatcgggtgt ttttgtagac gcgccgcaag 113460
 ttttccataa tcaccgtttt ttgcgccagt cggatcacgt ccatgctcag cggcgtaag 113520
 ctgtgcgccc cggcctgcga aagcgagtcg ttgggcaaatt gcggttggcc cgaagtcaga 113580
 tgagccttgt acgagttgaa atcggccagg atcgagtgat aggatatggc agtgacggca 113640
 ttttcgggac tgagtacaaa attgccgtag gtggccggcg ccgagaccgt ttctttggtg 113700
 atgtggccttg agagcagcga catgatgatc tgcataacgt tggctgtgct taccatcacg 113760
 ccgctgatct tggccccga gctcgtggtg tacgtggtgg ggttgtctag gatgctatcg 113820
 gtggccgctt cggccagacg cgtgaggaac ttgagcacat agtcgcgatc gcgcgtgcga 113880
 ttcagcaaaa agagcgtggc cagcattttg gccttgaagc tctgcaagat gttgcttcgc 113940
 tggatgcggt tcagcgcttg tcgcgccagc gtggcggttct ctaccagcgt ctgcaccaca 114000
 aagtacggcg gcgccttgcg tagcagtgtc tgtaaaaagc tgtgaatcaa gccgcgttcc 114060
 atggcgctcg ccgtgttttt cagcgcgcg cgcaccgtgt gcatagcttc cacgttgagg 114120
 atcttgtcca ggatggtgcc ttcgaacgtc tcgcgcagat acgtgaggca ggctgcgctg 114180
 agctcaaagg ggatggtgat gggggatttt tcaactgtatt tggtgaccat aatggtggtc 114240
 tgacgactgg tgggcaaacc ggcgccgctg gccacacgcg gcacctgcac gtggaacagc 114300
 atttttcccg tagtcagttt attgaggtcg tggaacttga tggcgctgcgc cgccgcggcc 114360
 aagccgctgg tcaaaaaata aaccatttc aggcgattgc agaaggtgcc gaagatggct 114420
 tcgaagtga tattgtaacg ctcggggtcg tcgccgtagt agatgcgtaa ggcctcgaac 114480
 atctcctcgc cggcgctggt cttgacgtgc gtcagaaagt cagtgggaat gcctacttta 114540
 ggcaggagct cgagcgccga ccagttctcc atcgcggcgg cggcgtagac gcgaggcgtc 114600
 ggagctcggg gaaagcagcg cgacccggat aatggccggc gctgcgcgc gccgcctcgg 114660
 ctgtgacgct ctaatagtcg tcggcggctc cgctacgccg cgccgggttt tacacgtccc 114720
 cgtgcacgtt cgcgcctgca acctcaccca agagctatca acgggcgagg acgcccgtt 114780
 ctgtcgtccg cgacccgtta acgtcgaacg ggtgcgcgct gtttttgcg ctctctaccg 114840
 tgccgtgccc atacacgtga ggaccgagcc cgagcgtgtc aagctggtac tgggtcgtct 114900
 gttactggga cccgtggccg taccctgttt ttgcgacggt gaagtggagg gccacggtga 114960
 acatctggta cctacgacgc agttttgtcg cgggccgctg ctctacgtgc accgacgttg 115020
 ttgttgcgga tccgtgaccg ccgggcgcgc gctgtcctac cacgttctcg aaaaccacgt 115080

ggccacgcat gtgctacgcg gattgctctc gctgacggaa tggaatcgag aattgccgag 115140
 cctctttttgc gactgtcctg gcggcggtgg cgcctcggga accgaggaac gctacgctat 115200
 ggectgcctg ccgcgcgacc tcagcctgca cctggacgac tatecttacc tgatggtgga 115260
 aatcggacgc gtactcagtg tcagcgaggt agacgactac gtaaccgccg tctccggcta 115320
 cctggggcgag gccgcggcgc cgcgcatcca ggttcactac aagctgctct ttggactcaa 115380
 cgtgcgtccg caagcgccgt gcgcgttggg cgctacacgc gacttttttc tactggagct 115440
 gcaaaagctt tggctgggcg ttgaatatca ccacgaagtg acgtcggagt ttttcggtcg 115500
 cgtgctggct cagctgcacg gcgaccgcgc ccgcgtcatg atggcgcttc gcttgcccga 115560
 gcagacggtg tgccacctga gcaccttcgt tctcagtcgc ttcaagcgac aggtactgta 115620
 cttcaagtta caggtgagct acggcaagtg ccggactggc cacgctgaca gaagtggggg 115680
 agggggaaac ggtggaaatc agggacacca caacctactg tggtatcgac gccttagcgt 115740
 cacgtttgcc gacacggaca cgggtgtggg aaaccttttc tacgtttatt atgaactagc 115800
 tcgggatctg ggggtcccatg ggacggggaa ccgaccgta aaccgcggtt acggtgtttc 115860
 ttgcgctccg aggacgtcgc ggctatcacc gtcagaatcg acggtgggtt cggcgaacgg 115920
 acacgcgctg tcttccaccg cgctcccgac gacgagcgcg ggtcacaagc tgtcactgcc 115980
 gcgcgacccg gccgccgatc gcgttcgacg ttacgtgtgc atcatctcgc gtctcatgta 116040
 cgctcggtag ggggagagat ggcgtaaaca ccgtcaacgg cggtcggaga cgggagaaga 116100
 ggaggaggaa gagacgtgg aatcggggga gactgacgcc acgccgccat ttgactttac 116160
 ggggcagcag ctgcgccggg cctatcagga acaccgacgt cgtaaacatc tagccgtgca 116220
 gcgttacgcg ccgtgccgtc gtaagctcat cggcgggatg gagtttgccg aggtgacggg 116280
 cgtgagctcg gaccgcatcg ccgtcaacgc tttcaacacc aaccgcgtta tcaatatgaa 116340
 ggccgcgctc tcgtccatcg ccgcgtcggg tctcggcggtg cgcgcgccgc ggcttcccaa 116400
 gaacatgacc cacagttttg tgatgtacaa gcacaccttt aaggagcccg cttgcaccgt 116460
 cagcaccttt gtttccaacg acgccgtcta cattaactcg ctcaacgtca atattcgcg 116520
 ttctacccc gagtttctgt actcgctggg cgtgtaccgg ctgcacgtta atatcgatca 116580
 cttttttctg ccggccgtgg tgtgcaacag caactcctcg ctggacgtgc atgggctgga 116640
 ggaccaggcg gtgatccgct cggagcgag caaggtgtac tggaccacca actttccgtg 116700
 catgatctcg catactaaca acgtcaacgt gggctgggtc aaagcggcta cggccattgt 116760
 gccgcgcgtc tcgggcgctg acctggaagc cattctgctc aaagaactct cgtgtatcaa 116820
 gaacatgcgc gacgtgtgca tcgattacgg tctgcaccgc gttttcacgc aactagagct 116880

gcgcaattcg taccagatcc ccttcctggc caagcagtta gtgctgtttc tgcgtgcttg 116940
 cctgctcaag ctgcacggtc gagagaagcg gctgcagttg gaccgcctag tatttgaggc 117000
 ggcacagcgg ggtctctttg actacagcaa gaacctcacg gcgcacacca agatcaagca 117060
 cacttggtgcg ctcatcggca gtcgtctagc caacaacgtg cccaagatcc tggcccggaa 117120
 caaaaaagtc aaattggatc acctgggccg gaacgccaac gtgctgacgg tgtgtcggca 117180
 cgtggaagcc cacaagatcc ctgcacgcg cctcaaagtg ttagtcgagg tgctgggcgt 117240
 gttgcagagt atcagcggta cgccgcacac gcgcgaagtg atccaccaga cgttgtttcg 117300
 attgtgctcg gcggccgcag ccacatcggg cctgtgttca tcccctcccc cattgtgtgt 117360
 gtcctcatct tctcctgccc cttctgtccc aacctccgtc agcgttgacg gcagttctga 117420
 acccacgtcg ccgcgagcgc ggtttgcatc acgatgatgg aagccgcggc cgctgccgcc 117480
 gcggcggtttc gtccggagga gcgtccgacg ccggggttggc acgacgcggc gttgttaatg 117540
 gacgacggta cgggtgcgca gcacgcgttt cgcaacggac cgctgtcgca actgattcgc 117600
 cgtgtgttac cgccgccgcc cgacgccgaa gacgacgtgg tttttgcttc cgagctgtgt 117660
 ttttattgca gcggtcgttt taaccgcagg tegtccgtct tctccatcta ttggcagaag 117720
 catagcgatc tgggtgtacgc gcttacgggc attaccatt gcgccaagtt ggtggtggaa 117780
 tgcggtcagt tggggagtag taggctacgg tggcgcgacg gtgatgcgag tggtgaggag 117840
 cgccggggag acgacgacag cagggacgag ctgtacgacg tgccgggcat ttatatgatt 117900
 cgcgtaacg acggcggcag caccggcccc agacacgtta tttggccggg taccagcgtg 117960
 ctttgggcgc cgacggtgt gatcactacg gtgcagcgac gaatctcggc ggcgcgcgcc 118020
 ctggtgaaca cgttccgcca atatTTTTTT ttgctggaac ggcgctcgca cgaggagctg 118080
 gttctttgtc cgcccgagat ggaggagcgt ctagcgccat tgttgacagag tgccacgcgc 118140
 ggtgattcgg acatgtttga cgggtgtgtg gccagcgctt atcacggtt gcgaatgagt 118200
 aatattccgc gttcatccgc ccgtctgctg gagcactgcg tggggctggc gggtgctaag 118260
 aagctgctct tgctcgacgt gccgcgtctg gagaactatt ttctttgtca agtctgtctt 118320
 tacgagctgg acgaggacga gatgggcgag gagatgctgg gcatgttggc cgaaagccc 118380
 gaggatgccg ccgtctcggg cgcaagcggc ggttttctgc tacatcgcaa gacgatgaag 118440
 ctggccgcct gtctgtgttt gttgctcaat tcgctgcatt tgcaccagga ggcgctggag 118500
 gccttgatc ctccgccgcc gcgcgtcgag gagaacgacc ttgtcaacgt ggtgctgcgc 118560
 cgttattatc gcagtcacgg cggcgtgcag gcgcggacgc tggcggcggc ccgggctttg 118620
 ttagccgact acgctgaaac gttttgcct ttggggagtt ttacgcgcct gggttacgat 118680

cgtctcgttt ctgccgatgc cggcgctcagt cgtcggcacc tggtaggctct gctgcgtgcc 118740
 tagctgaccc tgaaacggat ggcgtgtata tcgtcacaca ggtaggtggc catgatgacg 118800
 gcgatgataa gatcgtccga gatacgattc tggcgcttg ccgagtagcg tgccgctcgtg 118860
 ccttcggcca gcgtgacgcg gtgcagggtc tgaatctgct ccagaagata ctcgatgggg 118920
 tcgtggctca gcttgatggg gtaggagacg agctcttgcg aggctttgat gtagcccgag 118980
 ttgaaacgcg agatgaactg ttctacggcc agcgccttgt cgcggcccat gaggtagaag 119040
 ggctgttcga tgtggttctg gtcgggctg tggtagaaga gcacgcggat gagcgtgctg 119100
 ctctgcacgc tctgtcggat gaggcaggcg atgcgcacgg ccgccgcctg gttggtgttg 119160
 ccctccacgg cgatacgagc ttcgtccagg taaggggtgca ggctcagcac cgagatgac 119220
 atatgcgccg cgcactcggc gatggctacc tcagaactct cggagaggtc gcgcaaaaag 119280
 aaatgctcta ggccgtaaat gagaaactgg tgtcggtagg cgcctacggc cgccacgccc 119340
 gtgcccagag ccttgcggtt ggtggtgaag gccgggtcca gatacacgta aagcgtcttg 119400
 ccgaaataat cgtaggcgtt ggtgttgagc gtgctgtaac gcaaaatgtc gaactcttcg 119460
 cggctctgat ccgtgatgag cacggtgttc tgcgagattt tattggtacc gccgatgac 119520
 tcgtccatga aagcgcggcg cataaacatg ttggccgtct tgcgcacctg cgagttgagg 119580
 ctgatgaagg tgggcttggt cagtcggtag caaggacacg ccgtggcgtc gcccttctcc 119640
 gtgaagctgt gcaggtgctc ttcgcacacg taagagacca cattgagcat gtcaaagggc 119700
 gcattgttga ggcgctcaa gaaacacgtg gcgtcactgg tagtggtggg ggacgatatg 119760
 aagatgatct tggtaggtatt ctgggccagg aacccagaa tggtagtgaa ggcctcttc 119820
 ttgatgaagt gcgcctcgtc caccagcagc aagtggaagt tttgtcctcg gatgctctgt 119880
 gtagagagga gacagaaaag ggactcttat gattacgcac gtcgggctgg aagcctacag 119940
 agtcgggggtg gggccggaca ggtgagccag gtgagccgcc aggtgaggcg ggatcgccgt 120000
 gtgccaaccg ggctgcgacc tgaaaaccgg aaccaatccg ccgacaccgg cgccgcgtga 120060
 cgcgcgccca taaaaacgaa agtgtcgtcg tcgcgacccg ccacagccgc catgaactcg 120120
 ttgctggcgg aactcaaccg actgggggtc gcgcacgcca ctacggagga tgtttttatc 120180
 tttgtcgacc gcctctttca acacttttcc ttcttttcc aggccgagga gtcaggcccc 120240
 cgccgcttg aactggctgc gtccgtgttc gagcacctga cggtaggagtg cgtcaacgac 120300
 atcctggacg cctgcagcca cccggacgtg aacgtcgtgg agacaagcaa cacctgtcgt 120360
 ccctgccctt ctctgttcc ctccgcccc aaaactgtca gcgacgctca gacgtcatgt 120420
 gcgacgcctc gggcgctgt gacatgaggc acgtccagaa cgcgtttacc gaggagatcc 120480

agttacactc gctctacgcg tgcacgcgct gctttcgcac gcacctgtgt gatctgggca 120540
 gcggctgcgc gctcgtctcc acgctcgagg gctccgtctg cgtcaagacg ggccctggat 120600
 acgaagctct ctatccggtg gcgcgtagcc acctgttggg acccatcgag gaggccgcac 120660
 tggacgacgt caacatcatc agcgccgtgc tcagcggcgt gtacagctac ctcatgacgc 120720
 acgccggccg ttacgccgac gtgatccaag aggtgggtcga gcgcgaccgc ctcaaaaagc 120780
 aggtggagga cagtatttac ttcaccttta ataaggtttt ccgttctatg cataacgtca 120840
 atcgtatttc ggtgcccgtc atcagccaac tttttattca gcttatcatc ggtatctact 120900
 caaagcagac caagtacgac gcgtgtgtca tcaaggttag tcgtaagaag cgtgaggacg 120960
 cgcttctgaa acagatgcgt tccgaatatg gaaacgcacc tgtattcgga tctggcggtt 121020
 gaggcgcggt tcgctgacga tgagcaattg cctctacacc tgggtgctcga ccaggaggtg 121080
 ctgagtaacg aggaggccga gacgctgcgc tacgtctact atcgtaatgt agacagcgct 121140
 ggccgatccg cgggccgcgt tccgggcgga gatgaggacg acgcaccggc ctccgacgac 121200
 gccgaggacg ccgtgggcgg cgatcgcgct tttgaccgcg agcggcggac ttggcagcgg 121260
 gcctgttttc gtgtactacc gcgcccactg gagttgctcg attacctacg tcaaagcggg 121320
 ctactgtga cgttagagaa agagcagcgc gtgcgcagtgt tctatgccgt cttcactacg 121380
 ttgggtctgc gctgccccga taatcggctc tcaggcgcgc agacgctaca cctgagactg 121440
 gtctggcccc acggcagcta tcgtgactgg gagtttttag cgcgtgacct gttacgagaa 121500
 gaaatggaag cgaataagcg cgaccggcag caccagttgg ctacgatcac gaatcaccgt 121560
 cggcgggggc gactgcgtaa taacttagac aatgggtcgg atcgccgttt gccgaagcg 121620
 gctgtggctt ctctggagac ggccgtcagt actccatttt ttgaaattcc gaacggagca 121680
 ggaacctcct ccgcgaacgg cggcggcaga ttcagtaacc tggagcagcg ggtagcgcg 121740
 ttgttgcgcg gcgacgagga attcatctat cacgcgggtc cattggagcc gccttccaag 121800
 atacgcggtc atgagttggg gcagctgcgc ctggacgtaa atccagacct catgtacgcc 121860
 accgatccgc acgaccgca cgaggtcgcg cgtacggacg agtggaaggg tgccggtgtc 121920
 tcgcgtcttc gcgaggtctg ggatgtgcag catcgcggtc gcctccgtgt gctgtggtac 121980
 gtcaattcct tttggcgcag tcgcgagctg agctacgatg accacgaagt cgaactatac 122040
 cgggcgttgg acgcttatcg ggccgcgcatc gccgtcgagt acgtgctgat tcgcgccgtg 122100
 cgcgacgaga tctacgtgt actacgacgg gacagcggcg cgttgccaca gcgtttcgcc 122160
 tgccacgtgc cacggaacat gtcctggcgc gttgtttggg aactttgccg tcatgccttg 122220
 gcgctctgga tggatcgggc ggacgtgcgt agctgtatta ttaaggcgct aacgcctcgt 122280

ctgagccggg gtgccgccgc tgccgctcag cgagctcgtc gccagcgcgga gcgctcggcg 122340
 cccaaaccgc aggagctgct tttcggaccg cggaacgaga gcggtccgcc cgccgaacgg 122400
 acttggtacg ctgacgtggt gcgctgcgtt cgcgcgcaag tggatttggg cgtggaagtg 122460
 cgcgcggcgc gttgtcctcg caccgggctt tggatcgccc gtgatcgccg cggacgcctg 122520
 cgacgttggc tctcgcagcc cgaggtgtgc gtgctctacg tcacgccaga cttggacttt 122580
 tactgggtgc tgccgggcgg ctttgccgtc tcttcgcgcg tcactcttca tggcttggcg 122640
 cagcgggctt tgcgagaccg attccagaac tttgaagcag ttcttgcaag aggaatgcat 122700
 gtggaagctg gtcggcaaga gccggaaaca ccgcgagtat cgggccgctg cttgccgttc 122760
 gacgatcttt agtccggagg acgacggctc gtgtatcttg tgccaattgc tgttgctcta 122820
 ccgcgacggc gaatggatcc tctgtctttg ctgcaacggc cgttatcaag gccactatgg 122880
 cgtgggccac gtacatcggc gtcgtcgacg catctgtcat ttacctacct tgtaccaact 122940
 gagcttcgga ggtcctttgg gtccagccag cattgatattc ttgccaagct ttagccaggt 123000
 gaccagcagt atgacgtgcg atggtattac gccgcagctg atttacgagg tctgcatgtt 123060
 ggtgccccag gatgaagcca agcgcacctt ggtcaagggt cacggtgcca tggacctgac 123120
 ctgtcagaag gcagtgcgc taggcggcgc cggcgcctgg ttgctgccgc gtcccgaagg 123180
 ctacacgctt ttcttttaca ttctgtgcta cgacctgttt acctcatgcg gcaatcggtg 123240
 cgatatccct tccatgacgc ggctcatggc ggcggccacg gcctgcgggc aggcggggtg 123300
 cagcttttgc acggatcacg agggacatgt agatccact ggcaattacg tgggttgac 123360
 cccgatatg ggccgctgtc tttgttacgt gccctgtggg cccatgacgc agtcgctcat 123420
 ccacaacgat gaaccgcga cttttttctg tgagagcgat gacgcaaat acctatgcgc 123480
 cgtaggttct aagaccgcgg cgcaggtcac actgggagac ggcttgatt atcacatcg 123540
 tgtcaaggat tctgagggcc gatggttgcc cgtcaagacc gatgtgtggg acctggtcaa 123600
 ggtagaggaa cctgtgtcac gtatgatagt gtgttcctgt ccggtgctta agaacctagt 123660
 gcactaacgg ggtctgacag ttcacgggga gaagaaacaa gaaacaacaa aaaaaaaga 123720
 ggacatggac tcgccacggc ttgtggcaag gcgtatatta tcatcatgga gctactcacg 123780
 ttggtgttgt agcaactggc aaaaagcgcc gtgctcttgg cgcgcgggtg gtcgatgctg 123840
 atcacgttgt ccttggtctc gaccacgtag tcgcgcgcga aggtgtggcg gcagcggaac 123900
 tcgacctctt tgagcacaaa ctgcgacacg tgcttttggc gcgccacgta gccgatgctg 123960
 atgccgatca tgtgtttaag cagaaacgag ataatgggga tgatgaacca agtcttgccg 124020
 tgacgtcgcg gcaccaggaa cacggtggct ttctgcttaa agatgtcgat ggaggtctgc 124080

gagaggaagt cgatctggaa ggcgtggatg aggtactgca gcacgcgatt ggccagcacg 124140
 gggatcttgg tcacggctat aaaaaagatg acgtgtatca ataaattctt ttgaaacggg 124200
 tcgagtcgga tggcttttgc gtcgccctcg acggcggtac tgaagccgcc gtcgagccac 124260
 tttttaaagt cggatcatgaa gttgttgatc tgctgaaact gcggatcgcg gtagagctcg 124320
 gtcaacgcgt ccagcttctg gtaggaggcg cgctgctcct cggagcacgg gcgaaacgtc 124380
 agttcatcga gcgcactctt gaggcgctcg tgaaacagca gctcgcgctg gctttcctcg 124440
 ggcgagttgt agtcgcggtg gcggcccgag aaggccatga gcggcaggaa ggcctcgttg 124500
 cacgagtggg ccagcccagag ttcggggtgc atcatctggt agcgcttgcg gcacagcgcc 124560
 gccacattgg tgaaggccgt ggagatgcag gaggtggggt ggctcttgcg cttctgcagc 124620
 tccgcgtagc gctcctggat cttggcgggc gaatctccgc gcaacatgat ggcggcgggc 124680
 gtggtgcgag cggagggttag gcggcagcgg cgagaggaga ggaaaaagat ggcgtccgcg 124740
 aggacgacgg aggatccacc cgaaaaccac gttgtcgcgg acgtggcttg tgggacgggc 124800
 gccgtcactc gttcgtcttc gtcgtcccta gtggtgtcgt cttcctcggc gtcaggctca 124860
 gacgaatctt cctccgcctc tcctctcagt ttccccgtct cctctccctc aactgccgtc 124920
 aggtctccgg ggtccgcggg ggtttcgacg tccctgtgct cggtggaacg gatggtcgag 124980
 ctgtcggcgc agtctccggc cgccgatttc tcggtctccg aggcttgggc tttcgaggag 125040
 gccgtaaata tggcgctggt ggcttgcgag gccgtgtcac cttacgatcg ctttcgccta 125100
 attgaaacgc ccgacgagaa tttcttggtg gtcaccaacg taattccgcg cgagtcggcc 125160
 gaggtgccgg tgttggatag cagtagcagc ggtggcgata gcgggcccga ggacaaaaag 125220
 aaaaacgtcg ggaataaaac cgcgggggaa aagaacggcg gtgggtctcg ggccaaacgc 125280
 cgtcgtagac gacgcgctcc gaaaaacgac gccgccacgc cgtcttttct acgtcgacac 125340
 gacgtgctgg agcgtttcgc ggccgcggct gagcctttgc cgtcgctttg tgtgcatgat 125400
 tatgcgttac gcaatgctga ccgtgttacc tacgacggcg aattaatcta cggcagttac 125460
 ctgttgatc gcaaggctca cgtggagctg tcaactctca gcaacaagg gcaacacgtg 125520
 gaagctgtgc tgcgacagg gtacacgccg ggcttgtag atcatcaca cgtgtgcgac 125580
 gtggaggccc tgctgtggct gctgtactgt ggaccgcga gcttttgcg gcgtgacacc 125640
 tgtttcggtc gcgaaaagaa cggttgcct ttccccgcgt tggtgccaa actcttttac 125700
 gaaccgcgtc gggactatat gacctacatg aatctggctg agctgtacgt ctttgtttg 125760
 tatcgcggt acgaattcct tgcgccaacg ccgcaggcga cgacggcggg tgggtggtggt 125820
 ggtagtggtg gcggcgggcg ggccggcgct tgtacggtcg agacgagcgc gtcagcaggc 125880

cgggtcgatg acgccggcga cgaggtgcat ttgcctttaa agcccgctctc gctggaccgt 125940
 ctgagagagg tgttacaggc ggtgcgcggc cgcttctcgg ggcgcgagggt gcccgcttgg 126000
 ccggcctcgt cgcgcacctg tttgttgtgc gcgctctaca gtcagaaccg tctctgttta 126060
 gatctcgcg cgtgacgaggc gcggaccgtg agttatagcc ccatcgttat ccaagactgc 126120
 gccgaggctg ttaccgacgt cactttgagc cacatcttgc ccggccagag caccgtctcg 126180
 cttttcccg tctaccacgt cggcaagttg ctggacgctc tctcgctgaa cgacgagggt 126240
 ctcatcacgt tgaatctatg acgtcgggtca acaaacagct cttaaaggac gtgatgcgcg 126300
 tcgacctga gcgacagcag catcagtttc tgcggcgtag ctacggaccg cagcaccggc 126360
 tcaccacgca gcaggctttg acggtgatgc gtgtggccgc tcgggaacag acccgataca 126420
 gtcagcgaac gacgcagtgc gtggccgcac acctgttga gcaacgggag gccgtgcagc 126480
 aagagttgca acgcgcccga cagctgcaat ccggtaacgt ggacgacgcg ctggactctt 126540
 taaccgagct gaaggacacg gtagacgacg tgagagccac cttggtggac tcggtttcgg 126600
 cgacgtgcga tttggacctg gaggttgacg acgccgtcta acaggtatag caatccccgt 126660
 cagccctctg ttgagatttt attaaaaaaa aaacacacca taacgacagt gtcggtgtgg 126720
 tagctagtgc agccctagga acaggggaaga ctgtcgccac tatgtcctcc gcacttcggt 126780
 ctcgggctcg ctcggcctcg ctcggaacga cgactcaggg ctgggatccg ccgccattgc 126840
 gtcgtcccag cagggcgcg cggcgccagt ggatgcgcga agctgcgcag gccgccgctc 126900
 aagccgcggt acagggcgcg cagggcgccg ccgctcaagt tgcccaggct cacgtcgatg 126960
 aagacgaggt cgtggatctg atggccgacg aggcggcg cggcgtcacc actttgacca 127020
 ccctgagttc cgtcagcaca accaccgtgc ttggacacgc gactttttcc gcatgcgttc 127080
 gaagtgcgt gatgcgtgac ggagaaaaag aggacgcggc ttcggacaag gagaaccagc 127140
 gtcggcccgt ggtgccgtcc acgtcgtctc gcggcagcgc cgccagcggc gacggttacc 127200
 acggcttgcg ctgccgcgaa acctcggcca tgtggtcggt cgagtacgat cgcgacggcg 127260
 acgtgaccag cgtacgcgc gctctcttca ccggcggcag cgaccctcgc gacagcgtga 127320
 gcggcgctccg cggaggacgc aaacgcccgt tgcgtccgcc gttagtgtcg ctggcccgc 127380
 ccccgctgtg ccgacgtcgt gtggcgggcg tggacgcggt gctcgaagaa aacgacgtgg 127440
 agctgcgcgc ggaaagtacg gacagcgccg tggcatcggg ccggggccgc gttccgcagc 127500
 cgctcagcgg tagttccggg gaggaatccg ccacggcggt ggaggccgac tccacgtcac 127560
 acgacgatgt gcattgcacc tgttccaacg accagatcat caccacgtcc atccgcggcc 127620
 ttacgtgcga cccgcgtatg ttcttgccgc ttacgcatcc cgagctctgc gagctctcta 127680

tctcctacct gctggtctac gtgcccaaag aggacgattt ttgccacaag atctgttatg 127740
ccgtggacat gagcgacgag agctaccgcc tgggccaggg ctccctcggc gaggtctggc 127800
cgctcgatcg ctatcgcggtg gtcaagggtg cgcgtaagca cagcgagacg gtgctcacgg 127860
tctggatgtc gggcctgac cgcacgcgcg ccgctggcga gcaacagcag ccgccgtcgc 127920
tggtgggcac gggcgtgcac cgcggtctgc tcacggccac gggctgctgt ctgctgcaca 127980
acgtcacggg acatcgacgt ttccacacag acatgtttca tcacgaccag tggaagctgg 128040
cgtgcatcga cagctaccga cgtgcctttt gcacgttggc cgacgctatc aaattttctca 128100
atcaccagtg tcgtgtatgc cactttgata ttacacccat gaacgtgctc atcgacgtga 128160
accgcacaa cccagcgag atcgtgcgcg ccgcgctgtg cgattacagc ctacgagcgc 128220
cctatccgga ttacaacgag cgctgtgtgg ccgtctttca ggagacgggc acggcgcgc 128280
gcatcccaa ctgctgcac cgtctgcgcg aatgttacca ccctgctttc cgacccatgc 128340
cgctgcagaa gctgctcatc tgcgaccgc acgcgcgttt cccgtagcc ggcctacggc 128400
gttattgcat gtcggagttg tcggcgctgg gtaacgtgct gggcttttgc ctcatgcggc 128460
tgttggaccg gcgcggtctg gacgaggtgc gcatgggtac ggaggcggtg ctctttaagc 128520
acgcgggcgc ggctgcccgc gcgttgaga acggcaagct cacgactgc tccgacgcct 128580
gtctgctcat tctggcggcg caaatgagct acggcgctg tctcctgggc gagcatggcg 128640
ccgcgctggt gtcgcacacg ctacgctttg tggaggccaa gatgtcctcg tgtcgcgtac 128700
gcgcctttcg ccgcttctac cacgaatgct cgacgacat gctgcacgaa tacgtcagaa 128760
agaacgtgga gcgtctgttg gccacgagcg acgggctgta tttatataac gcctttcggc 128820
gcaccaccag cataatctgc gaggaggacc ttgacggtga ctgccgtcaa ctgttccccg 128880
agtaaccggg acgcggaacg tgacggttgc cgaggggaaa ggcgacagag aaggtacaaa 128940
cccaccggcg ggaaaaatac tgaggcgccg ccatcatcat gtggggcgtc tcgagtttgg 129000
actacgacga cgatgaggag ctacccggc tgctggcggt ttgggacgat gagcccctca 129060
gtctctttct catgaacacc tttttgctgc accaggaggg cttccgtaat ctgcccttta 129120
cgggtgctgcg tctgtcttac gcctaccgca tcttcgcaa gatgctgcgg gccacggta 129180
cgccagtagc cgaggacttt atgacgcgcg tggccgcgct ggctcgcgac gaggtctgc 129240
gcgacatttt gggtcagcgg cacgccgcg aagcctcgcg cgccgagatc gccgaggccc 129300
tgagcgcgt ggccgagcgg tgcgacgacc ggcacggcg ctcggacgac tacgtgtggc 129360
tcagccggtt gctggatttg gcgccaact atcggcaggt cgaactcttc cagttgctgg 129420
aaaaggaatc gcgcggacag tcgcgcaact cgggtgtggca tctgttgcgt atggacacgg 129480

tctcggccac caagttctac gaggccttcg tcagcggctg tctgcccggc gccgcggcgg 129540
cggacggttc ggggtggcggc ggctcgcact acacgggctc gcgcgccggc gtctcgccgg 129600
gcatccagtt cggtatcaaa cacgagggct tagtcaaaac gctggtggaa tgttacgtga 129660
tgcacggacg cgagccggtg cgcgacggcc tcggtctgct catcgacccc acgtcggggc 129720
tgctgggcgc ttccatggac ctgtgcttcg gcgtgctcaa gcagggcagc ggtcgcacct 129780
tgctggtgga accgtgcgcg cgcgtctacg agatcaagtg ccgctacaaa tatttgcgca 129840
aaaaggagga cccctttgtg cagaacgtgc tgcggaggca cgacgcggcg gccgtggcct 129900
cgctgttgca gtcacacccg gtgccgggcg tggagtttcg cggatgaacgc gaaaccccg 129960
cggcacgcga gtttctgctt tcgcacgacg cggcgctctt cagggccacg ctcaagcgcg 130020
cgcgcccgct caagccgccc gaaccgctgc gcgagtacct ggccgatctg ctgtatctca 130080
ataaggccga gtgttcggaa gtgatcgtgt ttgacgcaa gcacctgaat gacgacaaca 130140
gcgacgggga cgccacgac actattaacg cgagtctcgg cctagcccg cgagcgcgg 130200
ctggcggcgg cgctgatcac cacctgcggg gcagcccggg cgattcgccg ccgccgatac 130260
ctttcgagga cgaaaacacg cccgagctgc tgggcccggct caacgtgtac gaggtagcg 130320
gcttttctact gccggctttt gtcaatccgc gtcaccagta ttactttcag atgctcattc 130380
agcagtacgt gctcagcaa tactatataa agaagcatcc ggacccggag cggatcgatt 130440
tccgcgacct gcctaccgtc tacctggtct cggccatctt ccgcgagcg gaggaagcg 130500
aactgggctg cgagttgctg gccggcggtc gcgttttcca ctgcgaccac atcccgtcc 130560
tgctcatcgt cacgcccgtg gtctttgacc ctgagtttac gcgccatgcc gtctctaccg 130620
tgtagaccg ttggagtcgc gacctgtccc gcaagacgaa cctaccgata tgggtggcga 130680
actctgcaaa cgaatatgtt gtgagttcgg taccacgtcc ggtgagcccc tgaaagatgc 130740
tctgggtcgc caggtgtctc tacgtccta cgacaacatc cctccgactt cctcctcgga 130800
cgaaggggag gacgatgacg acggggagga tgacgataac gaggagcggc aacagaagct 130860
gcggctctgc ggtagtggct gcgggggaaa cgacagtagt agcggcagcc accgcgaggc 130920
caccacgac ggccccaaga aaaacgcggt gcgctcgacg tttcgcgagg acaaggctcc 130980
gaaaccgagc aagcagtcaa aaaagaaaaa gaaaccctca aaacatcacc accatcagca 131040
aagctccatt atgcaggaga cggacgactt agacgaagaa gacacctcaa tttacctgtc 131100
ccgcccccg gtcccccccg tccaggtggt ggctaagcga ctgccgcggc ccgacacacc 131160
caggactccg cgccaaaaga agatttcaca acgtccaccc accccggga caaaaaagcc 131220
cgccgcccc ttgtcctttt aactcataaa ctttcaggtc tcgcgtacga ttcgcgagtc 131280

gggaatggga caccctggtg tgtttctccg tgtgtatatatt attttttttt gtgtgtgttt 131340
 gcgccccctg gtgtctaatt tgctgtttga aacacgtaaa gtagctggtg gaagaacaga 131400
 taaaccttta ataaaaaaaa agtatgtgct cccgaccac ggtctgctg tctctttttt 131460
 atgtccatgt ctccaagtct ggtgcgggtg gcggcggggt caagcgtcct cgaagtcttc 131520
 atcatcgtcg tcgtcctctt cttcgcggag gcgacggctt tccaagctgt cgtggtgact 131580
 gagcgcagcg acttcttcgc cggaggctgt ggccagcgcc tggacttga cactgccgct 131640
 accgcgtccg cgaaagtagc ggacggcgcg acacgtcgta aacatggccc atatgaaaaa 131700
 gagcatgccg aacgaccagc tgatgccggt acggtaatcg tcgccgatgg taaaggcgcc 131760
 gtactgcacg atggggtaga tgaggccgca gagtccgaag aaggcgcca ggtggtagcc 131820
 gaattgcact ttgacgtatt gaaaaagac ggcttcgatc agtaaaaagt agattatgga 131880
 gatgatagcg tagaccacga agacggccaa caccatgtgg cctgtacgca cgaaaaagt 131940
 gtttccgaag ccgtagcaca gggccatggc taccacggtg gtgttgaaac caagtgccat 132000
 ctccaccagg ttgacgatga gcgtgcgaaa ctgcaccgta cctttgagct tggggtgaag 132060
 acgcgagaaa aaaaagagcg agcgtttgaa gctgcggtac tgcgtgacca tgctcacgtt 132120
 gaaaatggtc aagcagaaaa agtgcacggc ggccatgaag gcgatcatgc tgggcagccg 132180
 aaatgacatg gtcagtgtga atagttggaa cgtgtccatg ctgaggatga agaggaaggc 132240
 tgtgaggctg tcgcccatgt acgaaatgtc acgtgtcgac tggtttaggc tcatgccttt 132300
 gtccttgcg atgctgatct tgatccagca taccaggtag tagatggtca cggctaaaaa 132360
 gacgagctgc atgaacacgg cgtagcacac cagctgcacc gagtctaaga aaagcatagg 132420
 cgtgtgcagg tgcattacgt tgtaggccga catgttgagc ctttcaaagt ccacgacgtg 132480
 atagtagacg caggggtagc ccagggtcgg aaaattgctc agcaccagat gcacgctgac 132540
 gttgacaaaa gtcagcacca tgaaaatgat agaagcgctc catgtccgtg tattcacctt 132600
 atccacgtgc gagggggcca tggcgatagc ggcgggccgc tcgctcgga ggcgatggg 132660
 gcgcgccgat gacgacaggc tcgcgggtcg ttaaatacta cgatgggagc cgccgaggct 132720
 cacgacgcgg tttgagcacg tccgggcggt cggcgaaaaa agaccccgcg ggccttcgcg 132780
 actctcttct gtccgaggat gaccgctcag ccgcggttgc accaccgcca ccaccgtac 132840
 accctgttcg ggaccagctg tcatctcagc tggtagggcc ttctggaggc ctcggtgcct 132900
 atcgtacaat gtctgttttt ggatctgggt ggcgccgtg ccgagccgcg gcttcacacg 132960
 ttcgtggtgc gcggtgaccg tctgccgccc gctgagggtc gtgctgtgca tcgcgccagc 133020
 tacgccgcgc tggcctcggc cgtgactacg gacgccgacg agcgccggcg cggcctagag 133080

cagcgtagcg ccgtgttggc gcgcgtgttg ctagaaggca gcgcgttaat ccgcgtgttg 133140
 gcgcgcacct tcacgccggt gcagattcag acggacgcta gcggcgtgga gatttttgag 133200
 gccgcaccgg cactgggctg ggaaaccgca gcgcgtgcca acgcgcttag tcttttccac 133260
 gtagccaagc tagtggtcat cggctcgtat cccgaagtgc acgagccgcg tgtggttacg 133320
 catgccgcgg aacgcgtctc cgaagagtat ggcacccacg cgcacaaaaa attgcgtcgc 133380
 ggttactacg cctacgattt ggccatgtcg tttcgcgtcg gcactcacia gtacgtgctg 133440
 gagcgcgacg acgaggccgt cctggcacgc ctctttgagg tgcgcgaggt gtgttttttg 133500
 cgcacctgtc tgcgtctggt cagccccgtc ggtttcgtgg ccgtggcagt gaccgacgag 133560
 cagtgttggt tattgctgca gtcggcctgg actcaccttt acgacgtgct tttccgtggt 133620
 ttcgctgggc agccgccgct acgcgactac ctggggcccg acctttttga gacgggcgcc 133680
 gcccgttctt tcttttttcc cggtttcccg cccgtgcccg tctacgcggt ccacggtctg 133740
 cacacgttaa tgcgcgagac ggcgttggac gcggcggtcg aggtgctctc gtggtgcggc 133800
 ctgcctgaca tcgtgggctc ggccggcaag ctggaggtgg aaccctgcgc gctctcgtc 133860
 ggcgtgcccg aggatgagtg gcaggtcttc ggcaccgagg ccggcgggcg cgccgtgctg 133920
 ctcaatgcca cggcttttct cgagcgaccg gccggcgggc atcgctcgctg gctgttgccg 133980
 ccgctgccgc gtgacgacgg cgacggtgaa aacaacgtcg tggaagtcag cagcagcacc 134040
 ggcggtgcgc acccgccgag cgacgacgt actttcaccg tgcacgttct cgacgccacg 134100
 ctacatcgag tgctcatcgt ggatttggtt gagcgcgtgc tggccaagtg tgtacgcgcg 134160
 cgcgacttca atccctacgt gcgttatagt catcgactcc acacttatgc ggtttgtgaa 134220
 aagtttattg aaaatctgct ttttcgctcg cgacgcgcct tctggcagat ccagagtcta 134280
 ctgggctaca tctccgagca cgttacgtca gcctgcgctt cggccggcct tttgtgggtt 134340
 ctgtcgcgtg gccaccgcga gttttatgtc tacgacggct attcgggtca cggacccgtc 134400
 tcggccgaag tgtgcgtgcg gactgtggct gactgttatt ggcgcaaact ttttggcggc 134460
 gacgatccgg gtccacactg tcgtgttcaa gagagcgcg cggcggtgct gttggtctgg 134520
 ggcgacgagc ggttggtggg tcccttcaac ttcttctacg gcaacggcg cgccggtggt 134580
 agtccgctcc acggggtggt ggggtggttc gcggcgggac attgcggtgg cgcttggtgc 134640
 gcgggctgcg tcgtcactca ccgccattct agcggcgggc gcggtggtag tggcgtgggc 134700
 gacgcggacc acgcgagtgg cggcggctca gatgccgctg ccgggagtgg tcataacggc 134760
 ggtagtgatc gggtttctcc ctccacgccg cccgcggcgt taggtgggtt ttgctgcgcg 134820
 gccggtggcg actggctctc ggccgtgggt catgtcctgg gccggctgcc ggcgctgtta 134880

cgggagcgcg tgagcgtgtc cgagctggaa gccgtgtacc gcgagatcct ctttcgcttc 134940
 gtggctcgcc gcaacgacgt ggacttttgg ttactgcgct tccagcccgg tgaaaacgaa 135000
 gtaaggccgc acgctggggg gattgactgc gcgcccttcc acggcgtgtg ggccgagcag 135060
 ggccagatca tcgtacagtc acgcgatacg gcgttggcgg ccgatatcgg ctacggcgtc 135120
 tatgtggaca aggcctttgc catgctcacg gcttgcggtg aggtctgggc gcgagagtta 135180
 ttgtcgtcct ccaccgcttc caccaccgct tgttcttctt cttccgttct ctccctccgc 135240
 ttgccgtccg tcaattcgtc ctcttcgggc acggcgacgg tgtctcctcc gtcttgttct 135300
 tcttcgtcgg cgacttggct cgaggagcgc gacgagtggg tgcgctcgct ggcggttgac 135360
 gcgcaacacg ctgctaagcg ggtggcttcc gagggcctgc ggtttttccg gctcaacgct 135420
 taacgagtca cgtaggggaa ctacgtgggt aagtgacgtg gatactagta aaaaaagtg 135480
 cgtcaaagtt ctacgctgtg gacgtggata ctagtaaaag ggacgtcaaa gctcactacg 135540
 tgttgcggtg ttttttttct atgatatgcg tgtctagtgc gcttctcact ctccctctcc 135600
 ccgttcccag cgcggtggca gcttgggggg tgagggcaaa ttggggtagt tggcgttgag 135660
 cacgtctagc aggcccaggc ccacggggca accgtccacg gtcttacgct cggtcagctt 135720
 gaggctaacc gagtgtgcct cgtcttgacc ggtaaggcgg aaaaagaagc gtgctaccag 135780
 ctgcaggcag gtatgcccg tctgctggaa gagcacgaag gtagcgggca cgtactgcac 135840
 aatgtgcggt tcttttttct caaagagtag gtagagcgcg ctgcagatca gccgccgggc 135900
 gctgtggtgc agcagccggc cgaagcttcc gcgcacgttc accgcgtcca ggtactggag 135960
 caggtcgtgc aggcaattgc gcgttaagtt gcaattttcc acgcatgaaa taacggtaca 136020
 gagcgcgaa tgacagcaggt tgcggcctt gacgatgccg cagcgggtgt tgagccgcag 136080
 atccgagagc ctacactgcg tgacggcgtc ttccggtctcg agcaaaaaca cggcggagta 136140
 gccagaaaag gccgaggtgc acagcaactc gctgcggtac tcggccatgg aaaccagcag 136200
 cccgtgctcc gtatgcagcc acagcttgtc gccgcgcacc gtaaagtcca gcaattgcgg 136260
 ctccatgatc atcacattct gtctagttaa atccgtatgg acctccagca cgccgcggat 136320
 catcagggcc tccatttcga aatcggccga cacgctctgg gccgcgccgc tcctcgtctg 136380
 ccgtgatcaa gcggcgccgc gcggaccttt caagcgttcc tgggccgccg ctcgaggcag 136440
 ttcccctttc tggcactccg cccgccgctt cgcggctcat ttggcgccgg cgcgccttct 136500
 cgcggctgca aatcagctcc acgtatcggc aaaacttgct gtcgtcgtag gcggcggtta 136560
 cgatctcgcc gaaggagagc tgcaggtagg cctcgggtac ggggtccagc gtgcccagcg 136620
 ccaggatgtg acacagatag ggcagggtca cgcgctctac cgtgtaattg gagtagacga 136680

tggcctcttc ggccccctga tgcgtgacca gacgccgcag gcgaaaggtg cggaaatact 136740
 cgttttccca cagctgcgtg aggaagcggt ccagcgactc ggtgccgggc acgaactgcg 136800
 agaagaagct gttggccacc aggcggttgt cctccaccgc cagcggacgg aagggcgccg 136860
 cgtcgcgcgc cttgcgcacg gcctccaaca cgggcaggtg gtacagttcg gcgtcgcgcg 136920
 cgcccaggct catggagtcc tcgcgccgcg aggcgtagcg cgtgagcagg tcgcgcagct 136980
 cgcgcaacgcg attctcccag gtctggttga gcgtgcgcag gtcttgatc tcgtccacct 137040
 gcgactggat ctgctcctcc aggcacttga tgacctgctt cttaaacagg tcgcggatgt 137100
 cccgctcggg cgccgccggg ccgggtggcg gcggcagcag cccgacgtgg cccgcgggtc 137160
 ctcccaccac ggcgcgcgcg ggtcccacca cgccgggtcc acctggacca cgcgcggtta 137220
 gtagacgggt ttggtccacc agcgaggggg tcaggtcctg tagaaaggac tcgacgctgt 137280
 cctcgatgcc gatgcgcgat ttgctgtccg agacgttaag caaaaacttc ataattggact 137340
 ttttggcgtc gctgccccgg tcgtgctgct ccatcatctc caccagcttc ttgcagttga 137400
 gctcgtggcg gctggcggtc accactttca caggaaaggt attgagcaac tggcagatct 137460
 tttggtggcg gcagagcccg tcgtagcgca gaattctctc gtgcaggtgt gccaccggcg 137520
 tgggtgaacag cagcttgctg cgctcataag ccagcggttc ggccgccacg tacaagcgga 137580
 tgtgcttgcc gcgcagctgc gcctccagcc gctccgagcg caccttcttg aagacgcgta 137640
 cctcggggcg gttggctacg cgcacggcg ccagcgctc ggccacctgc agcagcagcg 137700
 ccaggttagc ctgcagcagg tcctgcgcca gcgggtgtgt ctcggtggcc cgctgcacgg 137760
 ccgcgcgtac aaattgcgcc cgctcggccg cctcgctcgg cttggtcttc acgtccagca 137820
 gcggtaccag tcccaccgtt acgcaccaat ccacgtagag accatagtcg tcgttatcgg 137880
 cgtactgata taaaatgtcg cggagcgcg ccagcacgcc cgtttgacg ctctggcgca 137940
 acgaagcgct ccacaccaac agatactgct ccaggtcctc ttcgtccagc gcgcggtagg 138000
 gaaacagcg cgcggtgcaac ttccactcct cggccacgcg ccgcaccgtg atggtgtcaa 138060
 agagcgtctt gcacactccg tagagcagct gcttgcgag cacgcacggg tcgcgcagca 138120
 cctggtgcat gctctggccg cgacacgtcc ccagaaagcc gtgcagcaac cgcaggaagc 138180
 tcatcgtctg gcccggtggg aaaatgtcga tgacggcctc gtcattccacg ccgcggccca 138240
 cgccaagta cgacgacgcc ttgatcctca acctctcgtc ggccgccaag atcgaacgga 138300
 tcgtcgacaa ggtcaagtcc ctctcgcgcc agcgctttgc gcccgaggat ttttcgttcc 138360
 agtggtttcg ctccatcagt cgcggtgaac gaacgacaga taacaacccc tctgccgcaa 138420
 ctaccgccgc ggcaacgacg accgttcaact cctccgcctc ctcttctgcc gccgctgccg 138480

ctctcgctccga ggccggcgggc acgcgcgtgc cctgcgtcga ccgttgggccc ttctttccct 138540
 tccgcgcgct gctcgtcacc ggcacggcgg gcgcgcggcaa gacttccagc atccagggtgc 138600
 tggcgggcaa tctagattgc gtgatcaccg gtaccacggt gatcgccgcg cagaacctca 138660
 gcgcgatcct caaccgcaact cgttcggcgc aggtcaagac catctaccgc gtcttcggct 138720
 tcgtcagcaa gcacgtgccg ctggctgaca gcgcgcgttag ccacgagacg ctggaacgct 138780
 accgcgtgtg cgagccgcac gaggagacca ccatccagcg cctgcagatc aacgatctgc 138840
 tcgcctactg gccggtcatc gccgacatcg tggacaaatg cttaaatatg tgggagcgca 138900
 aggcgcgttc ggcttcgcgc gcggctgcag ccgcgcctg cgaggacctc tcggagctgt 138960
 gcgagagcaa tatcatcgtc atcgacgagt gcggccttat gctgcgtac atgctgcagg 139020
 tggtggtgtt tttttactac ttttacaacg ccctggggcga cacgcgactt taccggaac 139080
 gccgcgtgcc ctgcatcatc tgcgtcgggt cgcccacgca gaccgaggcg ctggagagcc 139140
 gctacgacca ctacacgcaa aacaagagcg tgcgcaaggc cgttgacgtg ctctcggcgc 139200
 tgattcagaa cgaggtgctc atcaactact gcgacatcgc cgacaactgg gtcattgtta 139260
 ttcacaacaa gcgttgccacc gacctggact ttggcgacct gctcaagtac atggagtctg 139320
 gtatcccgtc caaggaggag cacgtggcct acgtggaccg cttcgtgcgg ccgcccagct 139380
 ccatccgcaa cccctcgtac gccgccgaga tgacgcggct ttttctctcg cacgtcgagg 139440
 tgcaggctta cttcaagcgg ctgcacgagc agatccgcct gagcgagcgc caccgtctct 139500
 ttgatctgcc cgtctactgc gtggtcaaca accgcgcgta ccaggagctc tgcgagctgg 139560
 ccgaccgcgt gggcgactcg ccgcagcccg tcgagttctg gttccgccag aacttggcgc 139620
 gcatcattaa ctactcgag tttgtcgacc acaacctctc cagcgagatc accaaggagg 139680
 cgctgcgccc cgcgggccgac gtcgttgcca ccaacaactc ctccgtccag gctcacggag 139740
 ggggaggatc tgtaatcggg agcaccggcg gcaacgacga gacggcggtt ttccaggacg 139800
 atgataccac caccgcgccc gatagccgtg agacgctgct caccttgcgct attacctaca 139860
 tcaagggcag ttcggtggga gtcaactcta aggtgcgggc ctgtgttatc ggataccagg 139920
 gcacggttga acgtttcgtg gacatcttgc aaaaggacac gtttattgaa cgcacgccct 139980
 gcgagcaggc ggcttacgcc tactcgttag tttcgggcct gctcttctcg gccatgtact 140040
 acttctacgt gtcgccctac acgaccgagg agatgttgcg tgagctggcg cgcgttgagc 140100
 tgcccagcgt gaggtcgctc tgcgccgctg ccgccgccac ggccgccgct cccgcttgga 140160
 gcgggggaga gaatccgata aataatcacg tcgacgcgga ttcttctcag ggcggccaga 140220
 gcgtgccggt atctcaacgg atggaacatg gccaaaggga gaccacgac atcccctgcc 140280

tgtccaacca ccatgacgac tcggacgcc a tcacggacgc cgaactcatg gatcacacca 140340
 gtctgtacgc ggatcccttt tttctcaa at acgtcaagcc acctagcctg gcgctgcttt 140400
 ctttcgagga aacggtgcac atgtacacta ctttcgcga catttttctc aagcgctacc 140460
 agctcatgca gcgtctcacg ggcggtcgct tcgccacgtt gccgctcggt acctacaatc 140520
 gccgtaacgt ggtgttcaag gccaaactgtc agatcagctc gcagaccggc tccttcgtgg 140580
 gcatgctttc gcatgtgtcg ccggcgcgaga cgtacacgct cgaggggtac accagcgaca 140640
 acgtgctcag tctgcccagt gaccgccacc gcatccaccc cgaggtggtg cagcgcggcc 140700
 tttcgcggtt ggtgctacgc gatgcgctcg ggttcctctt tgtgctcgac gttaacgttt 140760
 cgcgcttcgt cgagtcggcg cagggaaga gtctgcacgt gtgcaccacc gtggactacg 140820
 gccttacttc gcgcacggcc atgaccatcg ccaagagtca gggcctgtcg ctcgagaagg 140880
 tggcgtgga ctttggggac catccaaga acctcaagat gagccacatc tacgtggcca 140940
 tgtcgcgagt cacggacccc gagcacctca tgatgaacgt taaccggtg cgactgccct 141000
 atgagaagaa caccgctatc accccctata tctgtcgcgc gctcaaagac aaacgcacca 141060
 cgcttatttt ttgacacaac accgtgtaag gaaaacgtga ctttattgag cagggtaaaa 141120
 accacgtaca agaaccacgt tgtctatccc caaaaaaaca cacaccgtca gggaacacat 141180
 cgcttataga tagcggcact ttacataaaa ccaccgtacc tgcacacggc tggctcgata 141240
 cactggaaat tcaataaaaa ccaccgtgtc tccgtgacgg tacttatcgg gtcagcgtct 141300
 ttctcttgag atttctgttc gtaaacttat ccgtttcccc ggtccgcggt gtctcctcgc 141360
 gaggctgaca gtctacgagt ggtatctaca agagaaagaa acccggtgg gagcgacgcc 141420
 gtcgctgggt atcaacccc cggtgaccg tcgtccggt aaggaacaac ccgtcgtcgc 141480
 aagccgggtt cgaccaagag aaaaaacccg ggtgcggggg gagacgggtc gtcctttggt 141540
 tgttcgcgga cggcgtacat gccgcgtgg tcagtcgacg gcgtcgctcc gtgcggtcgg 141600
 tcatcattct gcttcacata tatgggttgt ttgtgttttt ttataatga atacgcactg 141660
 atcctatccg tgactgcgcg tgtggcagag aggatgcctt ataacatgta ttttgaaaaa 141720
 ttgccaacag ctataatttc tctcatgtag cagaatagag accttttgtc gtctttttgt 141780
 ttgtcattac ttgttttcca gggaattaga gagagggaac cgcgcctccg gcggcggtgc 141840
 ccgcggaccc cgcccccttc tcgcgtgcgc ggtgtgactg gttgagcgaa tgagcagcta 141900
 ggcttggtgg tgctccgcgt gcgggggaga agacgattaa caacaaaaaa taagtggaag 141960
 tggcgggtgg gtctttgtcc gcgtgcgcgc ccatccgtcg ccgggaccga gcagaaagtg 142020
 atgtggtggt acattgattt tttccttgac aggaaagaaa aaaaagagtt ttgttttcct 142080

atgtgagagg agaaaggtat gtgaggagat gttcgatgat cgtatgttac agttatgctg 142140
 taaggaagct tttatcgtgc gtcctgtttt tcatttgatg tatatgacac aattgaaacc 142200
 tatcgatagg cgtatatcga ggattcatca attccttagaa tcgtcgtctt tttggctaata 142260
 tggactttgc ccatgttggt tgtcattcgt ggctgaggt catcgtcgtc cacgacgacg 142320
 tgtctatagc gtgcggtgtg atcatttgtg cgagccagag aaagcgcgcc tcgcacgacg 142380
 tttgcggatc ggctcgcggg tgtgtggaat tcctaagaac ataatacagct ggctcgtctt 142440
 ctttgatgtg ttgttgctgt cgaggtcttg cttcgttttc ttttttctt ttagtcgatg 142500
 gaacttttct tcggtacggg ttcttggtat ggaagcttgt gttttcgaac atgaattcga 142560
 aaaaataaaa aggcctatct tcgtttcaaa aaaaggacag atatcaatct tcttaactta 142620
 tatcatggta aattcagaat cctatgggtg cttattatct ctaaagtagt caacattatg 142680
 gtctaacttg tatttccttg acgagatata tatgatcctt ataacctggc tactatcatg 142740
 aacaacaata tccttactta cagtcattct cgtgaggtta tgaagtataa tatcgggtcat 142800
 ctatcaactt atctgctatg taacgtaccc ttttaggtat tttgcgtttc ttaacgagtg 142860
 taccgcctg tgtgaggcga aactctgaga agtctaccga gtcgagttac aagtcactaa 142920
 aacacttaca cgagttatct atactaaaat cactatctat gttgtttgct tacctaatta 142980
 ttatcctaca tgacgaagct acctcccaac gtaaggtagg gggagaggag acagaacaat 143040
 aaaaagtaac taatgtttct tagaacttac ccgctaagga cttaccaaac tatattcacc 143100
 aaaaaacaac agctacgtgt ttcatttggt ttaatctacc gaagtaaaaa aaaaagatga 143160
 ttagctatcc agaactact tacttcttaa tgttttaact aaggatgcct atgggattgg 143220
 aaaaaaatc acagcaactt gctactaatc agttgacagc gaagagactc ataacaaga 143280
 tttctgggta atacggttat aataatgctt atggactaaa ggatacttgg aaaaaagaa 143340
 cgggctatga ctatagagat tcatcgagat atcaaaactc aaataggcgg ctatcattca 143400
 tgggttgtgt gactatatcg tggagaaaaa atgtgatcgt tagttagcta ggtgagactt 143460
 acagctatcc atccgtctag ttttcgttg taatgatgat agtacgtcta tgggtgtgat 143520
 cgattttggt tagcaatttg ttcgtttaaa ggcttaatgt acttatgcta catgatgtat 143580
 tattctttga ttcacgttc ctcctaaggg ggtgtatgta tgtatgtact agtcgtatag 143640
 tgttcctaac atcatgacta ttcagactat ggcttcatct atcgtgtcta aagttcactt 143700
 attctactat tactatatat atgcactact atgtaactag gatatgggtcc tataaggtgt 143760
 cttctatcac ggtggcttgt ttatcgcttg gcggttacga gcaagagttc atcacggacc 143820
 agccgtgagg cagggcacac gcgggtcggc ggcgatgatg tccccgcga aggggacaac 143880

aaaaacaaga caagaggccg ccggccgcgg ccacggacgc gtagcgggta cacaatgttt 143940
 ggttgagcgt tttgtttcat cgtcgtggtg gtgggtttgt tgttctctgt atatatcgtg 144000
 tgggtggcttt atcgtcatca ttattatcat cattcttggt tccatcatca cgatgagttt 144060
 tctccgtttt cctctcctcc agtggtagtc gtgtatcatc atcaatcatc gtagtgacgt 144120
 cgttgctgct gctgctcttg ccttcatggc ggtatttctc ttctctcccc ctaaccccat 144180
 attaactcgt gagtgtgatg gttagagtgg ctgcttggtt ttttttcttt tctctttgga 144240
 acaacaaaag aggataaaga tggtcggtga atgtattatt attatcatca tcattatgat 144300
 acggtcgcgg tcttcttctc cgatgacgaa acctgcgcac atcgaagaaa agacgagcgc 144360
 gcgaaccgat agccgtccgt ctgggacgaa ggagaagatg atggggagag gaggagagcc 144420
 ccagaagcca gagcgagaag ggagacgaca gacatacgtc gtcaccgtcc tctggaggag 144480
 gcacggcggc gctgtttgtt gtttggtatgc ttgattatat cctgttctat ggggtagatt 144540
 attatcaata ggcttggttt tcaaagggtca gcctgtgtat tgtcgtgtct ttttttctgt 144600
 tctcatgatc gcggagacca cacagacgtg cgcgtctccc aatggctagg cgttcttttt 144660
 aggtagtaat tttttgatct ttttttttcc ttaacaagtc tggcttgatt tcttttatct 144720
 atgatcgatt cttctttttc tcgggggttg catcttccgt gaaagtaaag tgacactact 144780
 ctaaattgta accatattat ctggttgatta ggagaaaaaa taattttttc gcacgaaatc 144840
 gatcctaagt gaggtgattt acttgctatc acacgaaatg attcttttgc tgctaacgta 144900
 ctgaattttt taacagaatt gcttctccgt aactatttcc gcagattcag acagattgtc 144960
 aaaaaaaaaa tacggcacag aaatagtggg tctgtggctt ttgggtcgtg tacattcgcg 145020
 tttgcgtgtc gagatttcta cggtatgttt attcttcctg cgatgatgta gggtccttgg 145080
 tgtaagtagg atttcgagta tctctcttag agcgaacaaa ataatacaaaa aacaacagct 145140
 aggaaatcga gggttactct acgataaagt gtctctacaa agtgaagaat gttacgttgt 145200
 ggtggaataa taagactcgc gtgatcgatg agtgatcgag agcggctcga accttcttta 145260
 agagctttgt ttagtgcaac tttaaattac aaggagtaga aagctgaaat gaatctatga 145320
 aggtgctatt ctttgaatat ctactttgt acgcttcaca ttcgttattt ggatagagag 145380
 ttgtctagag aaaatctgtg attctctatg agtgttattt ttattatcct tttggggact 145440
 acgatttttc ttcttctaca taccactact actcgtaatc acatacatgg acgaaaaaaaa 145500
 aattcgtcag gcagtagata ccagattctc cgacgttacg gcgtcttttt ttcttttgag 145560
 agagtatctg ctgagattgt ccgtggtgta tctagtcgct atttttgttg ttactagtag 145620
 ttttgcacac agtttattca gtatagtttt tcttcttgcc atgatcaatt gagcccacca 145680

cctttttttt aagagaggag gaatttcgtc ttgatctcca gccggagata acggcgggtgg 145740
tggtggtggc gggagagact tcaaggcaat gaaaaaaaaa atttcgtttt gccatcaagt 145800
ggtgacgata acccgtcaga ttgataattg gttcctacag aaactattct aaccgcggaa 145860
gaaagaaatt gaaaaaaaaa attgacaaaa acatcataac ataaaggacc acctacctgg 145920
gacgcgcagt tgggtggcgg actggggcgg catgctgcgg cgatgctgtc ggtgatggtc 145980
tcttcctctc tggtcctgat cgtctttttt ctaggcgctt ccgaggaggc gaagccggcg 146040
acgacgacga cgataaagaa taaaagccg cagtgtcgtc cagaggatta cgcgaccaga 146100
ttgcaagatc tccgcgtcac ctttcacga gtaaaccta cgttggtagg tcacgtaggt 146160
acggtttatt gcgacggtct ttcttttccg cgtgtcgggt gacgtagttt tcctcttgta 146220
gcaacgtgag gacgactact ccgtgtggct cgacggtacg atggtcaaag gctgttgggg 146280
atgcagcgtt atggactggt tgttgaggcg gtatctggag atcgtgttcc ccgcaggcga 146340
ccacgtctat cccggactta agacggaatt gcatagtatg cgctcgacgc tagaatccat 146400
ctacaaagac atgcggcaat gcgtaagtgt ctctgtggcg gcgctgtccg cgagaggta 146460
acaacgtgtt catagcacgc tgttttactt ttgtcgggct cccagcctct gttaggttgc 146520
ggagataagt ccgtgattag tcggctgtct caggaggcgg aaaggaaatc ggataacggc 146580
acgcggaaag gtctcagcga gttggacacg ttgtttagcc gtctcgaaga gtatctgcac 146640
tcgagaaagt agcgttgca tttgcagtc gctccggtgt cgttcacca gttactttaa 146700
taaacgtact gtttaaccac gttgcgtcgt gacgttgttt gtgggtgttg ctaggcgggc 146760
tggaagatg atgtataaat agagtctgcg acggggttcg gcgctctgcc ggctgcggcg 146820
gcactcgctc cacggcctcc gacgagcgtt gcgctcgcg tttgcgccgc cgcgcatgg 146880
atctccctac taccgtcgtg cgaaaatatt ggacttttgc gaatcctaac cgcatcctgc 146940
atcagagcgt caatcagact ttcgacgtgc gccagttcgt ctttgatacc gcgctctgg 147000
tcaactgcgt ggacggcgat ggcaagggtg tgcacctcaa caagggtg ctctgcgcta 147060
ccattatgca gcacggcgag gttcggccg gtgctaagac gcagcagggc ttcattgtcca 147120
ttgacattac gggcgacggg gagctgcagg agcacctgtt tgtacgcggc ggtatcgtct 147180
tcaacaaatc cgtctcctcg gtgggtgggt ccagcggacc caatgagagc gcgctgctca 147240
ccatgatttc cgagaacggg aatttgcaag tgacttacgt gcgccattac ctgaaaaacc 147300
acggcgaatc ctccggtgga ggcggtggtt gcggcgccgc gtctaccgcc tccgccgttt 147360
gcgtgtcctc gttgggcggc agcggcgga ctcgcgacgg tccttctgcg gaggaacagc 147420
aacggcgaag gcaggaacag cgtcacgaag aacggcgcaa aaagtcgtcc tcgtcggccg 147480

gtggtggtgg aggcggcggc gctggtggtg gcggtggcgg cggcgggagc ggcggtcagc 147540
 actcctcgga ctccgccaac ggactgctgc gggatccccg gttgatgaac cggcagaagg 147600
 agcggcgggc gcctccctcc tccgagaacg acggtgagtc ccggccctcc tcgcgtcacg 147660
 gtgctttccg agtggactcg tgagcccccc gtagcgcacg agcgagcagg cgagcggtgt 147720
 tggtgcgctg gtggttgtgt ggatgataac catgtgcttt ttcgtgcgct atgtgtcgtc 147780
 ccgtctgtag gctctcctcc cctccgggag gcgaagagac aaaagaccac cgcacagcac 147840
 gaaggccatg gcggcggcgg caagaacgag acggagcagc agtccggtgg tgctggcggt 147900
 ggtggtggcg gcggcagcgg ccgcatgtcg ctgccgctgg acacgtctga agcggtggcc 147960
 tttctcaatt actcgtcctc atcctccgcg gtctcttctt cctccaataa ccaccaccac 148020
 catcatcacc accataacgc cgtgacggac gtggccgccg gcaccgacgg tgcgttactt 148080
 ctaccattg agcgcggagc ggtggtttcg tcgccgtcgt cgacgtcgcc gtcgtcactt 148140
 ctttcgctcc ctcgaccag cagcgccac agcgcgggcg agacggtgca ggagtccgag 148200
 gcggcggcga cggcggcggc tgcgggggta atgatgatga ggaggatgag gagggctccg 148260
 gctgaggcgg cggaggcacc accgcagtcg gaggaggaga atgattccac cactccagtc 148320
 tctaactgcc gtgttctcc gaattcgag gaatccgcg cgctcagcc tcctcgagt 148380
 ccgcgttttg atgacattat acagtcattg accaaaatgc tcaatgattg taaggagaaa 148440
 agattgtgcg atctccccct ggtttccagc agactcttgc cagagacgtc gggcgggact 148500
 gtcgtcgtca accacagcag cgtcgcgagg accgccgag ctgtctccac agccggcggt 148560
 ggccccccag cagccgcatg tccgccactc gtcaccaccg gtgttgtagc ctcagggttc 148620
 gtcgccggtg tcgcgcccgt tgccgccgca gtcgaaacac cagctgctcc tccccggccc 148680
 gtgtgtgaaa tcaagcccta cgtggtaaac cccgttgtcg ccaccgccgc ggctgccagt 148740
 aactcttct cgtcttcttc ggctccactg ccgccgccac caccaccgcc gggcggacgt 148800
 cggggtcggg cccggaacaa taccgagga ggcggcggtg gtggcggtgg tagaaacagc 148860
 cggcggcagg ccgcatcgtc gtcgtcctcc tcctctcgga gatcgcgacg gagaaacaac 148920
 cgccatgagg acgaggacaa cgatcctctg ctccggttgt cgcaagtcgc cggcagcggc 148980
 cgccggcgag ggccctcggt cctcgaggac ggactcgaat ttatcgatcc cagcgaggag 149040
 gctgcgatcg ccgccgctc gatcgcggcg tttttcgacg attaaaaaac agagccgaga 149100
 ccggaaaaat tatgaaacag gacgcgcttg gacatttggg tttccacccc tttcggtgtg 149160
 tgtctatata tattgtggtc actgattttt ttttacaata aagagataga catcacagtt 149220
 caccaccttg tctccccggt gtgtctatta tcatcaatca cccacagagt cgccagtcga 149280

tggctctctcg gtaatgcgtg tccagatacg cgttgggccag tataaagtgg tcgttgccca 149340
 cgaaggcgcg ggtggtgttg cgcgggcgacg ggtggcagga cttgagtacc aagtgccgcc 149400
 gtcggtcgat caggtactcg caggtgtgcg cgtcggcgcc ccacagcatg aacaccagat 149460
 gctcccggcg ctctgacagc ctccggatca catggttact cagcgtctgc cagcctaagt 149520
 gacggtgaga tccaggctgt ccgtgcacca cggatgaacac ggtgttgagc agcagcacgc 149580
 cgcgctcgcg ccaggcgctc aggcaacccg aggccggacg ctgaaacccg tccaccgtac 149640
 gcgccagttc gcgaaacacg ttgttgaggg agggcgggcg tggtcggcct gccagcgtgc 149700
 cgaaggccag gccgctggcg ctgccgtcgc agtacgggtc ctggcccacg atcaccacgc 149760
 gcacctgctc gggcggaacac agatagctcc agcgggtgtac gtgctcgggt gccgggtaca 149820
 ccatctcgag ttgccgcgcg ccctccaccg ccgccaccgt gtcgcgcagc agcaccgtgt 149880
 cgtggtcggg caagctgagg aagcggtacc agtcggcgct cagacaaaac acgcgagcct 149940
 gctcgtcggg ggttaacaga gagcctttat tatcagcaat gttagcgagc atccactgct 150000
 tgagggccat agcgcgagtg agccggcagg ttgacgcgcg tctgcttcag ctcgggcggc 150060
 agtcggcgct agtatttata taggtggcgt agcagcgcg ggtccagctg gtgacgcagg 150120
 caaaattcct tctactgcgt gtacaggccg taaaagagcg tgatgccctc gggcgcgcca 150180
 gcggtgctca cgggcagacg cacggcgcgg ttggtacgcg tggcttcggt gcgtatggcc 150240
 accaccacgt taaagagaga cgggtggcacc agctcgaagc ctaacacgtg ttccgtgaag 150300
 atgctgcgcc cgtatgacag tcgcgtgagg tcgtagccgc ggcacaggtc gtccacgcac 150360
 gtgtacacgg ccggcgagcc atcgccgcac tcgctgtagc cgcgcatcac cgtcatccag 150420
 cgcgggcgctg tgtccgagct caacagtgtc agcagggccc gcaattgatc cggattgttg 150480
 tacagcaggg ccagagtgtc caggaaagca tcgtccaaca gcacggagtt ggcggcctcc 150540
 ggcgtaacgg gacggtaacg gataagttgc gatagcgggc cattgcgccc ggtaacattc 150600
 accaacggac gcagccaact ttcatacttg tcaccctgaa acacctcacc caacaggcat 150660
 cggcgcggtta gttcgggaca ctccgcgggg actttctcgg cggcggtagg agcgacgctg 150720
 acggcgactg aggaaacaat gggcagcaga aggcaacacc acagcagtac caccggtcca 150780
 ggtgagaaaag agaagccgca atccgggagg cggcacatca agtctgcggc acgatgagag 150840
 tgtgacggta aggagccagt tggcgccgaa agttggcgct caggtcttcg atccctaaaa 150900
 cgttatatat tgcattccagc aggtgagcca ggctaaacgg attcacgtac caggtttggt 150960
 taccgcgcac gatgacggcc agaccgtggg cgctacagtt ggagagggtc ctgggtacga 151020
 aggtaactga gtcgatgtcg cgccacgggg ggaatgagac agacgactgg cgcacgctgt 151080

aatcacaact gtgattgacg tattgtagcg tgtaatttag gttgcactca gcctcgaagt 151140
agagggggaa ccacagttcg tcgtactcgt cgtcgtcctc cagttctggc tcttcttcat 151200
ccaccgcaat gtctacgctg ctctgagatt cctcttcgta caggatgatt gacagggttat 151260
ggctacaaag gtcctgggcg ggaggacgcg tgggagcgcg ggtggtggta atgttttcca 151320
ggtcaaaagt tggagtgtag tcggatgtta catccccgtt gttggaggtg gtagaagtcg 151380
cggccggtgt cacggtggta agtatggata cagaagggga gggggaagta acgttcgtac 151440
cgatggttgt ggtattatta ttccttgtgt ttcttggtcc agaaaccgtt gacgttgaga 151500
tggaatcga cgtggcgctg gatgtcagat tgctgaccga ggaaaccgtg gtgggagtga 151560
tgacggtgtt actcgtggtt gaagtgacgt taggggaggt agtagtggtta ccggtggtgg 151620
cgacggtagt gtttgtcgtg gcggcggcag cgggtgtact ggtaacggtg gtcgcgttgg 151680
tttccaccgc ttcacacagt aagcaaaagc acagggccag gaaaagcaac cagccccgcc 151740
atcgccgccg ccgcttcatg aggtgggcag gcgaaagctg gtgaattcgt tgtacagcgg 151800
caagtggggc gccgcgatcg aagggtacgt caacaagctg acgttgatat taaatacgtc 151860
tggctgcttt tctacgatgg aagcgcacag ggttacggcg tcgaacaggt ctttcttggg 151920
ggcgcccgag acccacatct ggtatacacc cgtctcgtgg tacgaagtag agcgcggcac 151980
caccggacgg atgcagtcca gaacgcggtt gggatcctgg tgaaagaatt tgaacgtggc 152040
tacggcctgt ggcgtgtgcg gcatcgtctg cgtgatgagc tgctggcccg ctaacacggt 152100
gacgttgtgc aacttgagca gggcactctt gagggcctgg aaagcgttgc cgcacgaggc 152160
gctgatttgc agctgcacgg ccgtggagtc gtgcagccgc atgagacgtg acacctcttc 152220
gaagacgtac ttatacttac tggcaaagag tggcgcgtag cgacagtcgg ccggcaaaat 152280
gtaggtggcg ttgccgccgt tgggtggccac ggcgggcgca gcggccgcgg aggccggcgt 152340
aaacagcgtc agcggccggt ggtggctggt aaggctcgatc atgggcggcg tggtgaccgt 152400
ggcggtggcg ggcatgacgg ggtttgcggc gacgggcaact ccggccacag cggcggcagc 152460
ggcggccacg gcggcgctgg ccgagccac acctgccggc agtcctccgc caccatgac 152520
gccgccccgc agagcgtcgc ccagacagac ttccacagtg gcgggcgcgc tctcggcggg 152580
cagtacggtt tgccgatcga cctcgcgacg aaagctggtg aggaactcac tatgatccat 152640
ggccgcaggg cccgagatcc cgggattctg cgggtgctga ccgagtgcgg gccgagttat 152700
atggaagacg attagcttgg agcggagttt tgcgcccta gctgacctgc ggatcagcga 152760
cgtgccatag ggatagactg tgagcggcgg ccgcaacggc ggggtcggcc gccgttcgtc 152820
gtcacggggc ggcgcgaggg aggaggaggt ggtggtgggt acgatcttga cgtggttaac 152880

gtcctgccccg tccgggggaa tacgcaaaaa accccgcccgc ggcgctacca cgatggtgcg 152940
 atgggtcttt ctcttggttg cccggggccag ggacttgacg atgcgtgtgg agccgtagac 153000
 gatctggacg tggtcctggg agaacatgac catcgccgcc aacgctcagc ggggggacgg 153060
 gttgggaaca cagaggctga ggggaaaccc cgtagaagtc agcgaaataa agacaacaca 153120
 gcagccgctc ctctcgtttc gggccctacc actgcttgaa gtagggcacc ggggtgtttct 153180
 tttcttcaac gggctcctcc agtctcttat aggaccagtc ccgccggcgc gccagcatgt 153240
 aggtcacgta caaaagaata attaccatga acaccaggaa agccagcacg ccgtaggcca 153300
 gcagccggtc ctcgaacagc gggtcgctct tgataaacac gtaggtggtg gtaaaacttc 153360
 ggcccgcgat ctggacgtgg agacgcacga cagtatacgt gccgttgagg tagaagacaa 153420
 actcgcgtaa ccgttgctcg ttatacgtca cgttactaat attccacggc ggaatgagct 153480
 ggtcgccctg atgcagatgc acggtgctgt tggggtgata gaggctgcta ccgttgagca 153540
 agcagtgttc gtgttcctga agcagcacgc ggacccgcat cgtggtagcg ttcaagcgag 153600
 tcccgtagac ggcgtaaatg ggataggtga aaaggtccca agtggcggtg tgatggcggc 153660
 cccaactgaa gaaagagcac gtgtactcag tgggtctcct cggcctgagt cccgagataa 153720
 gcagctcttg agcagtagcg ttgtaggaga gatgtagttt tcctgtggaa aaaattaatg 153780
 agttgtttat tttgttagca ggttggcgag ggaggaaggg gaacaaaaca gaaaggtacg 153840
 tgttacttac ctttatcggt ggagggaaaa gcgctaagat atcccacctg agtgaaggga 153900
 cccttgacgt ctgtccgtgc ataacaagta actgataaaa tgtctggatt tttggtatta 153960
 ttcaacagga taactttgca ggtggcgttt agagacactt ggtcgtagct gtagctggct 154020
 tcgcaattca cagtatacag gtgcccctct ttctgcgtcg tggctatcac ggaggtggag 154080
 gcggacgagg tagaggtttg taccgtggtg gtgacagcag aactgacgtt gtagaggta 154140
 cttattgacg tagtagacgt gacggtggta ttactagggg aagtgacggc gcttggtgtg 154200
 ctacttttca ctcccgggtg catgtcgccc aagagcgcaa ctacgagcgc gatcgccagc 154260
 acggaacaca tgttgccgtg tgacgagacg gcgtgtggac gagctatatg tggcaggagg 154320
 tcgcgtcacc tcttgtagcg cctaaacgtc cagctccaga taaaagaggc gttaataatg 154380
 aagactacaa aaaccacttg cgtcagtatg acaatcataa aggctcgggtg attgctacgc 154440
 ctaaagtacg cgggattatc caccagttca tccttctgaa caaagtggat gattgacgta 154500
 ttggtgttac tatccgtatt gttgatcatg gatttgacta agaaagtctt ggcacaaaaa 154560
 gtcccgttag agccccagca ggtgacgctg ctatttacat aagttccagg tgcccccgct 154620
 agcatgtatt tcagttggtg ggtataattt tttctgtcgt tatccatgtc attgctgtag 154680

ttgaccttgc tggtagagaaa gcgtgttttc aacggggtac ttatcatcat ccctgaggcc 154740
 aaaaagggcg aattgcaagc tgtagtgta caaaaaatag tcaagttagt gtcatttgtgt 154800
 tgatacatgt aagccatgct cacttcaggc tcataccacc cgatcccaat cgcggccgcc 154860
 accgtcacca cgtcccatct ccccaaactt accaccgccca ccactaatag cgtcaccccc 154920
 gcacgggtaca tagttaccct ctcgacgtcg cgggctgtca atgacgtgcc tgcgtcagtgt 154980
 gctatgattt atagcttttg gacacaaccg caacggatct gtcgtaatct accttccaca 155040
 gggccgccgc gacgatgctg aacgacagga tcagacagac ggcgtatagg agtcctaggt 155100
 cggcgtcgac gcggcaggtg cggatgtctc gcagggtggg tagatgggcg atgcacaact 155160
 ccttctcccc ccgcccgtac atctcatccc gtatcagcag ccgtagcgtg gcattgatgg 155220
 tcagcgggggt aaccaaagaa atcacatagg gatgtgtaca ggaagtgcag tgacgggtat 155280
 ccgtgagatg taagtcatca ccctcctcac cgtcatcatg aaagaccagg actcgggtga 155340
 gacgaccoga tgaatactgg atctcccacc acagtctttg atccaacacc gagagggcgc 155400
 aagagattct aagtctccct gggttgggtg agcagatgta agcccgtat gtgcctctcg 155460
 ccatcagggc tatacacatg agggggagaa ggacaagtat ccgggaccac ccgcaccccc 155520
 acatcacgag accagagaca gagatgtata aaaaaagcta cttttattaa acagcattct 155580
 caccacacgt taatactgtc acggggaatc actatgtaca agagtccatg tctctttcca 155640
 gtttttact tactgagact tgttcctcag gtccctggatg gctgcctcga tggccaggct 155700
 caggggtgtcc aggtcttcgg gaggggtctc ggtgggctgc tcaaactgcc ccacggcgta 155760
 ggccttcgcg gccgtctcgt agataggcag catgaacca ccctggttgg tggagaagat 155820
 gcgcaccatg acctgtttgg gaaacttttg catcaggggt aggcacaggt tgagagcgcc 155880
 caacaggtcc acgggggtgg cagcgtggat gatcatgttg cggtaatcgg aagaacgggg 155940
 gcataattgg tgggtgtgca attctttgag gtcacacgcg gctttgacgc cttcgttaca 156000
 agcatcggcc gtgcgctgcg ccacttcggg tgggtgtgtc acaggcatgg tgtgctccat 156060
 gaggaaggga gtggagaggg ccaggttgca catggtgccc aggcgacacc gcaccgcac 156120
 cacctcactc ttcacctcat gattgcgggt gtagatgatc tggatgccct tgttgttcac 156180
 ctgcatggtt ttgcaagctt tgatggcctc atctaacacc tgggccatac tgggaatcgt 156240
 gaagggcagg ttcttgact caagagagcg attggtgttg cggaacatgc ggctcacctc 156300
 gtcaatcttg acgcgacccc gccgagtctg cacgttgggt gtgcagaagg ggggtgttctt 156360
 atctttcatg atattgcgta ccttctcgtt gtccaactcg gagatgcgtt tgctcttctt 156420
 cttgcgggggt ccggtgctcg cccgcgcgt gctctgatgg ccgcagctca gcagagagga 156480

ggaggccgcg ccacaaaaac cgccgcgccc atggtggctc gaggtcacgg atgctcctcc 156540
 gccactgctg catttcatct cctcggactc actctccgag tccgaagccg aactgcagga 156600
 ggaggaagac gaagaggaac tatcttcatc gggccggccc aagggatcgg gaagaggagg 156660
 gtggttcatc tgggagagcg ggtgctggg agaggtcact cgcggcgtgc cgctgccggg 156720
 ggaaggggaa gacgcggtag caccgcgggt ttcgacttct tcaccctgtt cttcctcgct 156780
 atcagagatc acgatacagc cggcggtatc gataatcttg ttgcggtact ggatggtaaa 156840
 gtcgggctcg ggcttgatgt cttcctgttt gatgaggggc agcatgatag gcgcgggagg 156900
 cacgggagggt ttaataatca ccttgaaagg acgcgtgggt ttgcgcgggt tcttacgcgg 156960
 gctgagctcg ggagtagcgg atgccccggg gagaggagtg ttagtaaccg cgacgctggg 157020
 gggggtcggc ttgttaagag gggcgctgct aacgctgcaa gagtgggttg tcagcgtggg 157080
 gccggtgcta ctggaatcga taccggcatg attgacagcc tgggcgagga tgtcacctga 157140
 tggtgataag aagacacggg agacttagta cggtttcaca ggcgtgacac gtttattgag 157200
 taggattaca gagtataaca tagagtataa tatagagtat acaatagtga cgtgggatcc 157260
 ataacagtaa ctgatatata cacacaatag tttactggtc agccttgctt ctagtacca 157320
 taggggtgggt gctcttgctt ccagagggtg tgggttcctc agcaccatcc tcctcttctt 157380
 ctgaggcaac ttcctctatc tcagacactg gctcagactt gacagacaca gtgtcctcct 157440
 gctcctcctg agcaccctcc tcctgttctt catcactctg ctactttctt tcctgatcac 157500
 tgttctcagc cacaatcact gaggacagag ggatagtcgc gggtacaggg gactctgggg 157560
 gtgacaccag agaatcagag gagctagcac cagcgggtggc caaagtgtag gctgcaatag 157620
 catcttcctc atctgactcc tcagcgatgg ccgtaggtc atccacacta ggagagcaga 157680
 ctctcagagg atcgcccccc agaatgtact gggcaaagac cttcatgcag atctcctcaa 157740
 tgcggcgctt catgacattg ataacctcag gcttggttat cagaggccgc ttggccagca 157800
 tcacactagt ctctctaag atatagcagc acagcaccgc aaaaaactca cttagagag 157860
 agatggaccc gtacatgggtc atcatacaag cgtcactggt gaccttgtag tcattacaca 157920
 tggtttccac acatgtagtg aggatatcca taaatatgtg atcaatgtgc gtgagcacct 157980
 tgtctctctc ctcatccaaa atcttaaaga ttttctgggc ataagccata atctcatcag 158040
 gggagcactg aggcaagttc tgcaatgccg ccatggcctg actgcagcca ttggtggtct 158100
 tagggaaggc tgagttcttg gtaaagaact ctatattcct gtagcacata taaatcatct 158160
 ttctcttaag ttcaccttc ttagcacggg ccttagcctt cagtgcaccc cctaacttgt 158220
 tagcggcgcc cttggtcaca tcatgcagct ccttaataca agccatccac atctcccgt 158280

tatacctcggg tacaatgtag ttctcataca tgctctgcat agttagccca atacacttca 158340
tctcctcgaa aggctcatga accttatcta agatatctaa ggcatctctgc aaacatcccc 158400
ccatcatatt aaaggcgcca gtgaatttct cttccgtctg ggtatatattt ttcagcatgt 158460
gctccttgat tctatgccgc accatgtcca ctccgaacctt aatctgtttg actgtggagg 158520
aggataacaa cacatataag tatccgtcct cctgactcat ttatcgctac ctccgatgcc 158580
cgctcacatg caagagttaa tcttcactct atctgacata cacaagtaaa tccacgtccc 158640
atgcagggtta gtatatatca catacatgtc aacagactta ccgagttctg ccaggacatc 158700
tttttcgggg ttctcgttgc aatcctcggg cacttggttca aagggtttga gagattcttc 158760
ggccaattct gggaacagcg ggtctcccag gctcagctga ctgttaacct ccttccttaa 158820
catagtctgc aggaacgtcg tggccttggt cacgggtgtc tcgggcctaa acacatgata 158880
aacaaagtca taagcacatg ggtcacatac agaaaatatg tatataacat taaagatata 158940
actttttatt aaaaaaggg gaacacaagt cccgacacgt accgtggcac cttggaggaa 159000
gggccctcgt cagggttgtc aggggtccatc tttctcttgg cagaggactc catcgtgtca 159060
aggacggtga ctgcagaaaa gacctatgga aaggaacagt ctgttagtct gtcagctatt 159120
atgtctggtg gcgcgcgcgg cagcaacgag tactgctcag actacactgc cctccaccgt 159180
taacagcacc gcaacgggag ttacctctga ctcttatcag aacacaacaa ctccagctgcc 159240
tgcactcttct tctgccgctg ccttaagtct tccaaatgcg tcagcgggtgc aagcccgtc 159300
cccgagctca ttttcagaca cataccctac cgccacggcc ttgtgcggca cactggtggt 159360
ggtgggcatc gtgctgtgcc taagtctggc ctccactgtt aggagcaagg agctgccaag 159420
cgacctagag ccgctggagg catgggagca gggctcggat gtagaagctc cgccgctacc 159480
ggagaagagc ccatgtccgg aacacgtacc cgagattcgc gtggagatcc cacgctatgt 159540
ttaataaaaa ctgcgggtac tggggacggg gttgttgat atgtgaattt gtaaataata 159600
aatgggaccc catcctgtaa aaatacagag tccgtgtcag tctctgaagg acagagtatt 159660
ggcatatagc caataaagag agttgtggca aagagccatg ttatggatta gtaatggaaa 159720
gtatcgtcac caatagggga gtggtcaata atggtcaata acccacacct ataggctaag 159780
ctataccatc acctatagca taaggaagcg ggggtgtata gacccaagc caaaaacagt 159840
atagcatgca taagaagcca agggggtggg cctatagagt ctataggcg tacttacgtc 159900
actcttggca cggggaatcc gcgttccaat gcaccgttcc cgcccgcgga ggctggatcg 159960
gtcccgggtg cttctatgga ggtcaaaaca gcgtggatgg cgtctccagg cgatctgacg 160020
gttcactaaa cgagctctgc ttatatagac ctcccatagt acacgcctac cgccatttg 160080

cgtcaatggg gcggagttat tacgacattt tggaaagtcc cgttgaattt ggtgccaaaa 160140
 caaactccca ttgacgtcaa tggggtggag acttggaaat ccccgtagt caaacgccta 160200
 tccacgcca ttgatgtact gccaaaaccg catcaccatg gtaatagcga tgactaatac 160260
 gtagatgtac tgccaagtag gaaagtcccg taagggtcatg tactgggcat aatgccaggc 160320
 gggccattta ccgtcattga cgtcaatagg gggcgtactt ggcatatgat aacttgatg 160380
 tactgccaag tgggcagttt accgtaaata ctctcccat tgacgtcaat ggaaagtccc 160440
 tattggcggtt actatgggaa cccacgtcat tattgacgtc aatgggcggg ggtcgttggg 160500
 cggtcagcca ggcgggccat ttaccgtaag ttatgtaacg cggaactcca tatatgggct 160560
 atgaactaat gaccccgtaa ttgattacta ttaataacta gtcaataatc aatgtcaaca 160620
 tggcggtcat attggacatg agccaatata aatgtacaca ttatgatata gatgcaacgt 160680
 atgcaatggc cattagccaa tattgattta cgctatataa ccaatgacta atatggctaa 160740
 tggccaatat tgatgcaatg tatatatcga tatccattgg ccatgtgcca actcgatgtc 160800
 gcctctatcg gcgatatggc ctcatatcgt ctgtcaccta tatcgaaact gcgatatttg 160860
 cgacacaccg aatcgcccaa gtcgccaag tcgtctatcg ccatccccg taaacgatat 160920
 aagcgctatc gccagatatc gcgtatgcc aaaaatcact tttggaaaaa tggcgatatc 160980
 agttacacag aaactcacat cggcgacatt ttcaatatgc catattttca aatattgatt 161040
 tttccaatat cgccatctct atcggcgata aacaccacta tcgcgcgaca tgaatttagt 161100
 cggcgacaga aatctcaaaa cgcgtatttc ggacaaacac acattttatt attcactgca 161160
 gcatatagcc catttttagcg cggcacacat ccagccgttt gtgtttctta acgctctcca 161220
 ggtactgatc caggcccacg atccgggtta tcttgtcgta ttccaggttg atccatcgat 161280
 agggaacgct gccagcggcg cccagcaggt actgcgcctt gtcgttcact ttgccgcagc 161340
 gtattcgccc gtcagcttcg aggtataacc tacaacacgg aaggggggta caaacgtga 161400
 aattagactt ttttttttaa tgatgttttg tccctctctg tcttactctc ccataggctg 161460
 taaggccctc gaggaagaga cttacggatt gtagttgcag ctgcgtcagtt tgttgtgtac 161520
 gacctggcgt gtcaatgaat gggcatggt ggtgacgatc ccgcgaatct cagccgtttt 161580
 ctcgggactg tagcagactt cgccgtccgg acaccgcagc ctgtgtattc atgaaaatct 161640
 actctggcat tcccaggat cgtcgatgga acatggctat cagaaacgtc gagagacaga 161700
 tccagacgca ccacagaacg cagacaatca tgaaaatacg tacgcgacgg tgaagcgatt 161760
 gcacattttg aaatcgtaac agcgttcgg cgggtggttg acgtttatga attcgcaaca 161820
 ttcttctgcg cgtaccgcg gcacgcggct gtgatccaat aacagccaca acgccgtcaa 161880

gaacggcgctc aggttttttg gactcatgac gcgcggtttt caaaattccc tgcgcgcgcg 161940
 acgggctcaa acgatgagat tgggatgggt gcagaagggtg taagtctggt tattggcctc 162000
 ggtgaacgctc aatcgcacct gaaaagacac gctgtagtcc cggaagacgt gagcccagct 162060
 ctccagcttc atcacacaca tctgataacg tgtgccatcg ttgacgacga agcgtagcag 162120
 cttggtctgc ttgggcacca tgtgcgctcc aaaaatcttg gcgtcttcca cgctgatctg 162180
 cacgtttccg tcgctcggtt ttgaagccgt tcggggcatc cgttggagga tggctctggtt 162240
 gcgaccgctc aggtaccaga tcaccttttt caccaggtg gagcttctct ccaccaaggt 162300
 ctggccttcc cggttgtaga gcagatacag ggtctcggtg cgacactcgg gacccgttaa 162360
 taccgctgg aaccccgaga attgcaaggg ggaccgtggg ggcgagggat agataaaagg 162420
 acagtaaaac gtcgccgcgt catgcggttt ggaatacgtc agtttagacc atagcgggga 162480
 cggattctgg ttcgccgtta gcgttgacca cggagacgcc agacagggcg ttgcccaaac 162540
 cgcgcacaga agcaggcagt gaaagtgggt acgaagcaga agccgtagca tattatttcc 162600
 cgtgacgcag gctagttggc aaagagccgc acgctgaact cgaggctccg ggcgtgcggc 162660
 gccagcgaac cggcggcggt gaacgtggtc cttttgttgg tgccgccgcg acggttctga 162720
 cgtctaaagt cgctgatgag caacgacacc tcggtcacgt tgattctgca agcacaggtt 162780
 ccgaacgtca tttcacaccc catgcggtta cctgcccgtt acccgttcgc ccttaccttc 162840
 ccgttgatcat acacctttag cgcgtatcct cacctcttga gcacgtcaaa gttgtccaag 162900
 ccgtggctcg catcgtagtg gtagttcaac gtgaggtcca cgagctgttc cacatacttg 162960
 taacggggtt ggtcgggcag cgcgcgagag cacgcgtccc agtaatgcgg tactcggtaa 163020
 taatcgtttt tttctgcggt ctcccgtgg cactgaccca gcaccacggc gcacagacaa 163080
 acagacagcc acacccgaca cagccgcatg ttgcagactg agaaagaaag ctttattatg 163140
 agacatcata cacatagtat aggcgaggtg atggggcggg gaaagagttg gaaccgaaag 163200
 ataaaaaaaa aaaagcctag tcgtactcgg gatctctgag cgagacgggt tgcattggca 163260
 ctttcattag tttgggaatc tgccagctgg tgctgttcga aggttcttcc atttccgagg 163320
 cggtcagttc atcgtacacc gagacgtagt acctgatggg gtcttctca ttgtccgaga 163380
 ggtgagattc gatggtcaaa ggcgagcctc tcccataatt gggattcacg aacgacgtgt 163440
 ccaagttgcc atcctttctg aaatagatga cgttctcagg atcatgtttc atgcgctcgc 163500
 gggccgcgga cgctcctcc tctcgtccc agtcccaggt ttccaaccgc tgataagggc 163560
 tcgaggaaca aaatccggcg gggatctgag aacctcgtcg ggaaccgctg ccaaaccggc 163620
 tgccaccgcc actgtcgtcc gtgtcgtcca acaggttgac ggcttcttcg tcggcgaaac 163680

gaaagcggcc cgggtgcttg caacacgagg agtaaactac cgcgatcagt accgctatga 163740
 agctgaaaat ggaggtgcct gtcacgatgt agaagaggat agccagcact ttcattgattt 163800
 cgtcattgcg cacgctgtga acggaagact cgtgggtggt ggtcatgttg atcccggtcg 163860
 tgggtccgct actcgtggca ttgtcgacgc tatttctgct gctggtgcta gtagggactt 163920
 ttgtgctgct ggtcacattc gtagcgtcgc tgaggtctat ctgaagcagc aaccggaacg 163980
 cgaccagggc caggaatggt gcgcgaaggg gaccccgcgg ggccggcatt ctcgagacgt 164040
 ggcgacgtgg atttcttgct atgtccgcga acgacgtgtg acgaggacgt ggtttccgca 164100
 agcctctacc gacgccgcga caccaggtag gttatcaaaa cgcgagccca tatcgccgcc 164160
 atcattgtaa tcagcaatgt gttgaggtac tgcacgatga atctgtctag tgacaccagc 164220
 caaccctctg cttttgcggg caagcgcgct ttcggtgaca ggggtgtatcg tacgtagccg 164280
 cgggtcaggc gcgcgttgta gcggtacacg cagaaatcta tccacaggcc aacgcccggc 164340
 tgtagcttcg gatggtggat aatagcgcg tgacgtacgc cgcggggctt tagaatctcc 164400
 acctgtaagg ccatctcttc caggtagtgg gtctgactgc gacgcagcgt ccagttcatg 164460
 taaaagtcgg tctcgccgtg tccggccacg aagaggctgc ttactaaatc gggcgccaga 164520
 gctaggtcag gcgtatcaaa ttccactgcc aggcgacctg attctaacgg ttccacgac 164580
 cgggagagcg tctctagata tagagcaaag cgtaccacgt ctacctgcgg tgtaaaaaac 164640
 tgctgtgggc gttcacgcgc gttgaccacg taggccacgt agaggccaac attttccacc 164700
 acgggttcta gctgcaggcg gcacgtaaag cttagaaacg acggctgtac ggtttggttc 164760
 ccgtgaagct gaagcgtcac ttccttgccg gggctcactg tgctgtaacg ccgcaccgag 164820
 tcggctcatct gctccggatc ggtagaccag aagggcgtgc aatgcatact gtcccagtcg 164880
 cgacacgcag cccagcctag ctcggtgaag ggtcgacgca caccgaaaa agtgtgcttg 164940
 aagaccaggg ggtcgccctcg gtagctcaat agccgaacat gcacatagtc gcggctagca 165000
 ttgacagacg gcccgtaggag ggccagcagg acgagcgtga acagcaagcg caacatgctg 165060
 cgcggggttag gaaatgcggc gtgccggcca ccgcccgact cataaacact accagcatga 165120
 cgtctcagat cacacaagtg acgaggagcg taccgcaaata cactagggaa aaggccagca 165180
 gagcccagata gtcttgctct tcgcgaacga tctcgtccgg ttcctcacac tcttcgtggt 165240
 ccacagaaga tgaggagcag gaattttcgt taatctctgc gaggatacta gtgctgtacc 165300
 acaccagagc gcttagtgtg cccagagcta ccgcacggta aatagggac atgatcacca 165360
 gcgcagtctg aagtgggtgg agttcaattt cttggcgtat ttccagagaa aggctttgta 165420
 ggccgtaggg gctggccagg caccaaactc aatattggta gacactacgt cgtaaatgcg 165480

ttgtttcttcg tctaagatta accgaaaaaa tagccgggttg atgtgacgac gcacagcttg 165540
 cgcggttagga ttgagacact tgggtgccctt gtccttttaa atagccagca cttcctgacg 165600
 attgcagctt tcgctcgctg cgattggctt aagcagttga gttccgactg gcagggtatt 165660
 caacagaatt tggttgttgc aacgacagcg cttgtcgtaa tcttccaatt ctaagagata 165720
 gacgaatagg ggacacgtgg aaaataacac atatgcggtc aaatacaggt atcgtaccga 165780
 taagactttg atgtgcgaat ttggaatcgg atggtgtaac catgtcaaaa ccatgtcgaa 165840
 aacacattgt attacctttt tcgctatata cgtgatattg ccaactcggt ttacaattta 165900
 taaaaaatta tagtcgcaa ggcggtgtc tattggtgtc acttttgtct tctatatgtg 165960
 gtccattatc agagtttttc tttataaaca ctttatgcca ccagttactt cgtttgccat 166020
 caaccattt cgatagataa tgatcaggag acaaacatac aggtgtttgt cggggaggta 166080
 ataaaaagtg ttgcgttttg tcgcatgtag gatctggagg tttatagccg acccaaaaaa 166140
 cgccgaatac gggatgattt gaaccattgc tacaccgaca acgtagttcc aactttcca 166200
 ctttatagca caacgcgatc aaaagaccaa acagactaaa aataaatcgc attataattt 166260
 tattatctac gtcactatca gtaattcgta atatccggtt ttcccggaaa atcactcaaa 166320
 actacgtcca tgacacatca actcccgata actacctccc tttgaaatcg gatccccca 166380
 cgtaccaatc aatcacacaa cacacaggtt taaaaatcga tcaactcgtc attaggtttc 166440
 aaaatcgata ccgtttatta tcaggaatct agactaattc tacaatgaca gctctgaatt 166500
 tctctctcgt cttccttgtc aggttctcat catcagttat cacttccacc catcgaggag 166560
 tcatcgtcgc tccaaaatcc tttggggtcg ctagttggaa aagtctctga cacgatccag 166620
 gcaccccgca ccagtcga ctgatctagc ttgcggagca tctcaacagg catgagctgc 166680
 agggccatgg ctgtcacggc actgtatcga tgtaacacta gggactttct ttgcgatgta 166740
 gccatcaaca cggcgtatgc cccatagttc gcgtgatacg acgcatgatg ggttaaactg 166800
 tcccatccgg cagtgcgctc tcgggtccgt gcacacaaca gctgcacggc attatgatgc 166860
 ttaaaattaa ccataacgtt ggggctactg atgaaggagt agtaatgagc caggacgccg 166920
 tacatcgaag gcagcaagaa agagtacag cacaatagca ccgggctctt atgtaggcga 166980
 cagcttattt ttctgacgt cggcaaaaag tacctaaatt cccacagat attcagacac 167040
 ggttccgcaa agtgcttctt tttttagtgc aggaattgga aaaaataata aaaaatatga 167100
 acagctcatc tgtaattatc tgtgtgactt catcgtaccg tgatgtaaaa acaacaacag 167160
 gaagcttaca ggggtcggta gaaaattttg ccgattgagc aacactggtg gcatctctca 167220
 ctccgatagg cggctataag atagaaaatt aaaagtatga taccacgag aaagatgaag 167280

agggacaacc aggctagagt atgacgacca cttttccctt gtttgacggt tacatgtgcg 167340
 gtatgatttt gtcgttgctt gtgatgttgg acgcctggaa cggacaacga cgtataattc 167400
 ttagatgcgc atacggtggt attagtggaa gtgcagttac gaattgtaac ctcaagtgtca 167460
 ctacactcag tgcaattggt acaattgtaa agccctgata catacgtacc gttagggcaa 167520
 agtgtacatg ttgtactcgt atattgcgta cattgtcctg taacacgata tccttgttta 167580
 catgggggac aacactgact tcctaattgc acttcttcgg gtttgcatat ttcagttttc 167640
 cctatgcatg ccaatagcat actcagcaaa ataagcatca ccagaggctt catgcctcct 167700
 accggaagaa taaaaataac tcatggggcc gaacggtatc atcctctccg cggtttgtaa 167760
 tacgagatcg taaacgtaaa taaatgacat aacttcacta acccgcatat tgcaaagtcc 167820
 acctacgacg ctgaaagctt ttccaggaca caacaggata gtcagccatc ttcacaggta 167880
 accagtttct agtcacagta tagcgagcct aagagaccgc acacggtccc tgctggaaac 167940
 acataccact acatcgattt gtcgtgtcgt acaaccgtca agttttccga acttttatac 168000
 acgccaatgg cgttaggact atgtgtgctg ctgtgattgg aggcttcgag agttatgtga 168060
 cagctgtgat tacacctgtc gccaaaggctg acagcgatta cccaggtaga gcacaatcac 168120
 atagctgatg gacgttggtt gatccgttga ttcccatgga cattttaacg gcgacagtac 168180
 agtcccgtt aaacattaga ttaatagacg ctagtggatg acagcatgtt attcgcccaa 168240
 ttgtgatggt ggttatactt tcttgttttt tgctcatatg ctgtaagggtg ttcgaggatc 168300
 gtggggagta tatgtgttaa atcggaatca tatttactga ccgcgccata cttcgtatac 168360
 gaacctaacc ggcgtaaagt gttttccgat atataaactg ggcctattg tggctgtagc 168420
 gcccatagggt atggcatata cccacggtga tggtgtgtta ttcgtttttt gtgataaaac 168480
 gtagtttatg tttaacgtgt gttccgtcac gttatgtgtg tcgttaaaag acggcgtctg 168540
 tacagtatgg ctttgagttg tatcttgaat tgttattgca tttggagggtg tgtacagagt 168600
 ggttggtgtg tgctgagggt ttgttacgtt ttgaggcaca gttgtggtgt atacggactt 168660
 caagggtgtag ttacggagtc tttctatgca ggtagtggtg agatatttgt gaatgctggt 168720
 tatgttcgat tctgtgaggt taaagtgtgt actatttatg gcggtataat ttagacggtc 168780
 ttgccatccc gaggatgtta gtgttaggta attcgtgttg tttacgtttg cttgatatgt 168840
 ataggtagggt gtactgtttg tgaggtcgca agtgtgattt tcttgcagag attttatcca 168900
 tcttgtgtga aaatattgag atacgcatg aatgttttcg ctatctatat tgtaaagcgt 168960
 ttcggtggta cttaggggtt gtttgctgta actcttattt tggaccaggt atgtgaacca 169020
 tgactccaat gtttgtatag taagggtgtcc tattaataaa gacgaactga ttcctaccgt 169080

aatgttatat cgcacaccta ggggtgccgtt tacaacacacg gaaatgtttc cggttacaac 169140
cacgttggca gatgaattag attccagggtg gtaacgatag gataatgacc gttcgctccc 169200
aacggatgac acaaagtatc cgaataacca acacgcccac tcaatccgca tattttaatc 169260
acactattca catttcacac actgcatttt ttaacatgtt atttttttat tttatgcgtg 169320
ttctcacctc ttcattttt taacaccggg gtaactatcg taagtcggta ggcgtcgata 169380
gccctcacca cctcgtcgtc cccttcccgg cgtggggcac cagcgtccac agcactgcag 169440
gtaacacagg tagcatagga aacatacggg gaaaatactc caaatccca aaaatgccgc 169500
gattccccga gtggcccagg gagacatccc ggtgtctatg tcggccggcg gtgctggcgt 169560
caccggtaaa aatttcggcg ggtgtggctg cgaacggtag cagtcgccgg ggagccggtg 169620
acgctgtatc actgtccaac agcggtcggg ttcctcgtcc ggacatgcgg gtttcagca 169680
atcctcggcg tcggcgcggc cgatatagaa gtagttgcgt tgaaaaccgc ggtacatccc 169740
gcagtcgtga ttccgtagac gccaggcggt cggcgaccag atctgggtct ccagcgagta 169800
acgacctaac gccggcgtgc agcaagggtc gtcggggccg ctgagcgtct ccagttgcgt 169860
gagaattacg aagcgttgca tgatgaggcc gtggctgtag ttgcgagca cgcattcgta 169920
catgccggcc gtgtccgtcg atacgttgaa agtcagcgag aatatttggc cgagatgcaa 169980
ttgcgagaaa ttccaagtgg cgtacggcag gcggtactgg agtccgttca tcagccgatg 170040
gcctttgacg gcgtccagga tgagctcgtc gctgccgtcg tgggaacgac agaaacgtgc 170100
gcgaatggag accatgggcc aggagtgtgt catgaccgtg caggggatgg tataacttgc 170160
tctccctcgg cgaccaacac cggcgccggc gacgtgggtct cataattctc ggcccacatc 170220
ttttcggcaa tgtcagcggg ggcgaagggg aacgaagagg aagaatattc gaggagtcgc 170280
gggcagctca acagcaccca gaacagccac ggcagagttc ggagcgactc tcggcggcac 170340
atgatgattc tttctttccc tttttcgag agacgctgcg cgctgctcc tgctccgtgt 170400
gtcggccgct caaacgtcgg gccggcgtgg tggtagccac cgtgcgacgc agcttctcgc 170460
ccgggatgcc cgcgactgag cgtccggttt ttttgcaggt cttttttgct gcctcctcct 170520
cgccgtcgcc gtcgcgccg acgtggtgga ccagcaccgc gcaggaactc tcgcgtcgcc 170580
ggcggtaacg gacctgtctc attgctacct cggatgttta agaaggaacg ttcattctgcg 170640
tcacagggtc tgatgaagct gccaaagatc gtggctgtgg cgcagcgcgt tctgtacggc 170700
gcgtttcacc gctttctgca tggccgctac cacgtcgggt gggagcggct ccggcggaag 170760
ctcgatgagc agttgctgcg agtctcggcg ctcgggtgtcc gccgtttcgt cggacgtggc 170820
gtaaaaaacc gaggtggttg ccagtcgtc cacgctgtcg acggcctctg tcagtgccgg 170880

gttgtcaaaa ccgccatcgg acgcgggtga taaaagaacg tacgatgaca cgctgttagt 170940
 acgactctcg tcgtcgctct gggaacgacg tgatggacga cggtagatga cctcgtcttg 171000
 ccacgcgtcg aagcgggtcg agcagcgctg gatccaagcg cagcgaagca gcttacggaa 171060
 cacgtcgttg ttccaaaagt agagcataaa gagaaagaaa agtagcgtaa taatgaagcc 171120
 gaaaacgacg agggtcggca gggcactacc gccgctgccg ttttttgtgt cgtgcgggtg 171180
 cacggtggta gtggcgttag tctgagctgg ggtcatgaca agtctgaaga gatgagagcg 171240
 tgggtgctca tcaggaacag ttgaggtctc tccctaccga agccttagcc tccacggtgt 171300
 tttatgatca acgtgtctac gaacgtcatt gtgaaagtga cgtctcaggc tttccgaaac 171360
 cgcgtcagat tcaacgtggg tttcggttta gcctgcgtca ccgaggcgga ggtggaaatg 171420
 agccgtcctg tgggggagtg tacgaccctg tagtgcccat gggtaacgtc gcgtcggaag 171480
 aagtgaatgc ggcattggtg tacgcgtggg ttgttttgct ctctgactcg gaggaattgc 171540
 cgcagcagct gcagatttta cgtactaacc aaaagcagca aaagcagcag gtaaataaga 171600
 gaaggagtcc agataatgtc cagccgctag cggcaagcag cgcgagctgt ggtactgtcc 171660
 agctactgcc gttagaggca ttaatacatg tcgatacggc cgtggtggcg gtagcactag 171720
 tagattgact ggaattagag ctggtacctg tagtggtttc actcgccgat gcggcgagtg 171780
 caaataaaat taatatccac agcatgttta ttactatata attgatatac gaaccctct 171840
 gtcgtaacaa tcagcgttat acacgctgta tcggcatcgt tttaccggaa agtttatcgt 171900
 aatgtaacc gcgttggtgta cattcgtact gacagggaac ccccggtgat gtgcacatta 171960
 tactctttca ttctgggggt tcccaatgac gtaaaaattt ccactacaca ataaaattac 172020
 tgactcatgt gaaaagtgtg ctttttatta acagagcaga gggtttacag tagatatatg 172080
 tttgccaggg ccaccgtttt ctaacaccga tcaccgccac cattaccacc cgttgaactc 172140
 cacaccggg agccgcctga tcgccaggga ctctcaccg tccatcgtcc gaacaagctc 172200
 ccgccaccga tgctgccacc atcaccgaga gaaagaaccg cttgctgcag atacgcttg 172260
 gctcgcctcc gtgcggacgc cgtttcgtgc agacgctgag tagatcgagc agagaatgtc 172320
 aaaacgacat taccgcgatc cgctcccctc ttttttctt ttctcattca cgtgtattct 172380
 tgatgataat gtaccatggc tacggtggtg aactgcgtcg cggatcccgt cacgggtttc 172440
 aacagatcga cgtcggtcag cggcgccgtc accgccatgt cggcgggagg cacgctgttt 172500
 ctctggttag cgacgtggac cgacgacgaa gacgatgaac ccgcgcggcg gtctgttatc 172560
 cgcgacgacg cgtagctgca ctgggaagac acttcctccc aacggaccaa gatctcatcg 172620
 ggccgttcgg agaaacggta tcgtctgtcc gactcccgcc gtacggcgcc gagggccagc 172680

gacgacaggt ccgcgaaccg gcgctcgtat tccccgtaca gctcgcaaca gcggatcagc 172740
 cagcggtagc tcaaaaacat gcgcaccagt ttgaagggtg cgtgccaatg gtaagctaga 172800
 tagcagagaa tggccacgat cagcacgagc atcacgccga tgatgggtaa cccgacgttc 172860
 agcggcagat cgtccatggt gaccgtcctc tgtccggatc tacgtcccag tctctctctt 172920
 ttgtacagca ctcgcgcggg aacggccccc tcaaccctct tacgtagcgg gagatacggc 172980
 gttctcccg cggccactta cttgcacggt cgcttgaacg gcggcttgga ccgccacatg 173040
 taccgcatcc atccattctg gcagcagcgc gttcgacgac gtcgtacgag tcgcggatga 173100
 tgttaccccg ccagcacctc cgccggcaac cgcgtcgtcg ttgctatcgt cgccgggttc 173160
 gggcgatgac agcgccggcg gcgcgggtct cgtctcgtcc accatttcca ccgtgtcgaa 173220
 gcgacagccg ctgccgtagt acatggcccc gttcaacggc cggcggggcg ggtcgccgag 173280
 ttccgggtcg ggcacatcca tggctcgccg tctgcttctc tgccgctcgt ggtgccgacg 173340
 gcacttctca ggataatgac agccgcaaaa tagatcgtgg agcatgtctc gccaaactgtc 173400
 ctggtggtaa tatcttaagt acgcgatgag cgcgccgatg gccataatca taagcgtaag 173460
 caaaacggca cagataacgt gaaacaccgc ggtcatccaa gtcggggcggc gtcggggacg 173520
 cgggtgggtcg gtttctctta cgccggcgtc actcagccac cacacccgta gtcgacattc 173580
 ccagaaccgg tgaatgcgac tcagggcctt tcgacgccgc catttatttc caacgtccaa 173640
 gtcccacgtc atttctggca tctccacgcc cttgactgac atactctctt tctctctctt 173700
 agctgcggtg aaaaagaggg aaggcgtgtg ctgctataca actgtacaac ggacgcgctc 173760
 gctgtttcgg tctcaggtca tctgcattga ctcggcgtcc ttcattgacgc tctgcaccgc 173820
 cttttccaag agttcctcga tgtccgacca tcgaggaggc ggggctaact cggaaaccga 173880
 cacgataggc agcgtggtcg gtcctcgtcg cgtgcggggg cggggacagg gacacgagag 173940
 tcccaccttc gagagattct ccagcccagc ggtgcgcggc agtctcgat tccgcggtgg 174000
 cttttgtggc gtcggcgttt tcgggaaggg cctgggcgtc accggcggtg tccagccgac 174060
 cggcttgggt ttcgtgggcg gcggtgtttt cttggtgggc ggcgtgctca ggttcttacg 174120
 cggcgcgggt atcggcgtcg ggggcctgtg cgacgacagc cgcgtggtgg gggcccggac 174180
 cggcggcgta ggcggccgct tcttgcgcc gggcggcgga ggtggcttcc aggatggcgg 174240
 cggctgatgc agtaccgtgt cgacgctggc cgaggacgac aaagagctcg acgaggagca 174300
 atgcgacgga gatcggccga tgctggtcgg cgttcccggc gtggatacgt cggggatctc 174360
 gaatcgcgcc ggaggaaact cgggtttatc tatcggcaga ccatcctctc ctatgtagag 174420
 cgacgtacac cgcggcacct gcggcgtcgg cgggtgggtg gccacccgca tgagccccag 174480

ttccagatcc agcggctcga cgacgtcttc tttcggaatt cgatagcagc acgcgcaggc 174540
 accacgctta tcagaagcag caccgcggag cgggcctcgc gacgaagtct cgtcggatcg 174600
 cttgcggcct cggcgctggg taaataagga aatggccagg accagggag ccagtccggt 174660
 accgccgagg agcccagcgc cgagccacag ccacaccatg atcttctctc ctgcttgga 174720
 tctcaaactc cgtgtcggga agggccggtg tacggacatt tatgccttgg atttctgga 174780
 acgtcatttt ttggcaagga atgtgtttat tgtccaaaca ctgaggaagg agatgtgagc 174840
 caagtcggaa aattccttat cacaccggg gggggttacg ttccggtctg atgctgctgc 174900
 tgttggtgta gagccgcggc catggccgcc tgcacggcag cttgtaccgc ctcgccacg 174960
 ccgggtggca tctgcggcat ggcgggggga gacgcgtcgg gcggaccgcc gggcatcgcc 175020
 gtcggctgcg acggtggttg tgaactcacc gtcggctcgc acggaggttt gtccttcggt 175080
 ttgctcttcg gtttatcttt cgccctacct ttcttcggtt tgggttccga tgcggtgtt 175140
 ggcggctgcg gtgggatgac gggctggtg gactcctccg acggcggggg gacgaatact 175200
 gtcggcgccg aaaccggggg actctcgact atctcgcaga tcaccctgtc gggatcgctg 175260
 ccgtgtccg gacgccgtcg atgaccatat tgaaccatgt cgtaaatacat cgtctccttg 175320
 taacacgctg aacagcagcg gctacaagga cccgaaatgc atttgagct gcacttacag 175380
 ctgcagctgc agtagcgcac ccatcggcag gtgaagacgt cgattacgga gtccttgaag 175440
 aattcccgt aacggatgag atacgcgcag aggaaaatca tgaaaacaga acagccgact 175500
 acggctgcga tgccgggtcc cgaaaacgta ttcggtgatc ctaccaaaca ccaaattccc 175560
 agggccgcgc atgttatcca ggccacaata atcggtggaa cgccccattg gcattgccac 175620
 gaaggatcgt gcacgtcgca acccatcgct actgcgttct ccacaaaacg ccatcgact 175680
 atttatccct acagcggctg ccgagtcacg tccgccggcg cccatcggcc gcggcgatct 175740
 cctagtaaca ctcgctcgac acttcacca tctccagctc cgccggcggt tcggcatcct 175800
 ccactagcgg cgtcgtctca tcttttccgc agcagcgaac gcacaccttc tccaggcaga 175860
 acgccaccag ctgccgccga acgtaccaca agtacacgtg cagacctgcg aacaggacta 175920
 cggaggtcat gaccaccacg acgcacacgg gaatccaagg atcgagattg tcgctggaac 175980
 tcatggctat cgccaccggc gtgcccgcgt ctgtctcacc gccgctcgcc cgatgtcgcg 176040
 cggcttggtta tacgctagcc cgtcgccgcc ttggggcacg gtgccctcct acccacgtaa 176100
 ctctctccgt gacttaaagt cgcgtgtggt agatctcctg ttccgtggac gaaccgtccg 176160
 gcaggatagc ggttaaggat tcggtgctaa ggccgtgtcg ccaacgtcga atgctacgtt 176220
 gcaacagctt cgacggacgg ccatcctccc tctcatcgca ataataaaac accagcagcg 176280

cgcacgacgc gatcacggtg acacccatga ccagacccac gcagatagcc agccccgcta 176340
 gcgtatccag cgccatcccg ttcgctcccg tcgtcgtctc ctgaacaaag caactccgca 176400
 gtccccgttt tcaaccgttt ttgtttcctt cttcgcgact agatgttaac gcccgcggtc 176460
 tttccggccg tgctctacct cctggcgctt gtcgtctggg ttgagatggt ctgcctcgtc 176520
 gccgtagccg tcgtcgagcg cgagatcgcc tgggcgctgc tgctgcggat gctggtcgtt 176580
 ggcttgatgg tggaagtcgg cgccgccgcc gcttggaacct tcgtgcgttg tctcgcctat 176640
 cagcgtcctt tccccgtgct tacagccttc ccctgaaacc cacgttaacc gaccgtcccg 176700
 aaaacaccgg tgtaacaca ggaaaaaag gaaccgcgca ggaaccacgc ggaacatggg 176760
 aactatctg gaaatcctgt tcaacgtcat cgtcttcaact ctgctgctcg gcgtcatggt 176820
 cagtatcgtc gcttggtact tcacgtgaac caccgtcgtc ccggtttaa aaccatcatc 176880
 gacggccggt ataaagccac ccggacacgc gccgcggcac ttgcctacgg cgctgctcca 176940
 gggaaactcc tcttccttct gctcttctc cttcaccgca gggatcgttt ccctcgacca 177000
 gggacccacc gaagcaacta ccggaacaac ctggaggagt cgcgcatga cggcgcccaa 177060
 gtgtgtcacc accactacct atctggtgaa gaccaaggag cgccctggt ggcccgacaa 177120
 cgccatcagg agatggtgga tcagcgttgc catcgtcatc ttcatcggag tatgtctggt 177180
 ggccctgatg tactttacgc agcggcaagc gcagagcagc aacggcggca gcagcggtta 177240
 gacgagtctc tggcggctac agctccaggc gccgtagccg gcccgcctgc cgatcgcgac 177300
 gtcgtggacc atcgaacaga gactcacgcg tacgagaccc cgaggtacgc cacgcggtgc 177360
 ctaacgcggt ataccacatc cgtacggtct gcagtgcggc gtacaacgtg tggaaaacgc 177420
 gtcgcgtcgc agagtccgcc acgtccctgt cttgtcgtc cccaatcgtc tcccgcacac 177480
 cccccgcggc acccaggggg cggtgagcc aagcattggt aaggccgttc tctgttccat 177540
 agcccataaa ttgttgattc cgagctcgt tggcgcggaa atagccggat aaggggagca 177600
 acaaccgtcg gcgaaagccg tcccgctcat tcagtccggg tttcgcgtcc agtcggacgt 177660
 gtgaccgttg ggcaacggaa cggcgtttca ctacaaaat cgtatcgggt agtgtacgag 177720
 acgtcggcgg tgcagaatgc gactcgcggc gtagctcgcc gtcgctatgc ggctcgtcgc 177780
 cgtgtggcgc ggctggccg gctgtctgcg ccagatctg ttggcctttt ggttcctctg 177840
 gctgctgctg cgtgtgtgct ttggcagacg cgggtggcagt ttgcggtctg cgtaagtga 177900
 ggatgttgcc gagcaagcgc acttgcgggc cgtgatcggc acgcgtgtta ttgtaggttc 177960
 gttgccagat ggcaagtgct gtcaacagca gacgttgtgg gcggtcgggt tattttttgtg 178020
 ggttgcggtg agagtcggca ctcggtgttt tgtgagtgat ctcaaccgtt tgtgttgctt 178080

ttagcagcgt ccaaaacagc gacgcgactt tggggatggc ctctgtctca ccgccgcgga 178140
 gagtgctgcc ggacctgctc gtcagcagcg agctacgcag acggaatatc tggaggagag 178200
 ttacgtgtgt cacaggagag cgcggtctc cgcggtaac gacggcgggtg tcgtcgacac 178260
 gtgtgcggcc tgctgtgctc tgcggaaaag cgccggtctc ggagaccgtg gacgaaaaag 178320
 agaacggagc agctaccgct ggcggcggcg gcgttaatgc tgccgttgat gttagacgtt 178380
 gtgagtactc ggaaacagcg gtgaggcaga agctcgatcc ttcagggaac gacagtcgat 178440
 gtgtggtagc cgcagcaggt gaggttggg cgataacgt gttgcggatc gtggcgagaa 178500
 cgtcgtctc cccttcttca ccgccccacc caccctcggt tgggtgttct ttttcttgt 178560
 gtctgcaga tagttccacg gacagcgacg gcaagtccat aatcaccggt gtgcaagtgg 178620
 tggaccacga cgaagatata atcgcgccgc agagtgtgtg gtgcacggcg ttcaaggag 178680
 ccctttggga tgtggctctg ttggaagtgc cgcggtgggc gtggcagggc tggaagaggt 178740
 ggcgaacag cgagtctggg cgtcgatgga gtgctgggtc tgcgtcggct tccagcttgt 178800
 ctgacttggc gggcgaggcc gttggagaat tgggtgggac ggtcgtcgcg tacgtgatcc 178860
 ttgaacgtct gtggttggca gccagaggct ggggtgtgcga aaccggtgtg gaagccgagg 178920
 aggctatggc gcggcggcga cagcgcatgc tgtggcgat gttctctcgt ggaggcgacg 178980
 gcgaatgcag cagacggtgt tcgatggaga tggcgtgcga ggaagaaagc gccgtgttgt 179040
 gagcagacga cgttgatgc gggacgtcgg agcacatggg ccatgtgtgg tggcagatgg 179100
 cgggtgtccac ttgtgcttgt cgcggcagtg cacagacgaa gcaacatgtc gctgtgaaga 179160
 gatagagtgt gagcatagct gtatgcagcg ttgcgtgtag aagcggggggg attaagacgt 179220
 taataaagag tagcggcgggt tgtgatagg cgaccgctga ggcgagctgc gtgtgcgtgc 179280
 cgtctgtgtt ccccgctccc gccgcaagag tccccgctc ccgccacgca acagcccgcc 179340
 atcccgaac tccccgtccc cgccgcgaaa ggcccccgtc cccgtcctca ccaccgtccc 179400
 cactcccgtc cccgtctccg caacgccccg tccccgcccg aaaaggcccc cggccccgca 179460
 acgcatcgtc cccgccgcaa aaggcccccg tggccgtacc cgcacacccc ccgtccccgc 179520
 cgcaaccccc gtccccgtcc ccagcgtaac tcccgttact agcgccggcg cccagcacgc 179580
 ccgaaaacac cgccgtcgcc gccccgaaaa gcgaagcgcc gcgcaaaagc tgcctagaaa 179640
 cgccgcgcaa acaccgtaga aacaccgcc gccaaacccc gagcgcgcg aacaccgcc 179700
 ccccggcgcc ggtccgcgaa acaaaaaaca ccgcgggacg acacgcaccg gcagtgcgca 179760
 caaagcgccg gacacagcac gccgcaaacg cgctgaggac accgctgcgc ttacttatgt 179820
 ccagagacac acgcaccgcc agcgcgcaga aagctccgtg gacaaaactc ccgcagccct 179880

gtccagccct cagtcctatt ccgcgaatcg gcgcgctgac ggtggcaaaa cctccctcag 179940
 ccccggtcccc agcgtaactc ccgttactag cgccggcgcc cagcacgccc gaaaacaccg 180000
 ccgtcgccgc cccgaaaagc gaagcgccgc gcaaaagctg cctagaaacg ccgcgcaaac 180060
 accgtagaaa caccgcgcgc caacccccga gcgcgcgcaa caccgcgtcc ccggcgccgc 180120
 tccgcgaaac aaaaaacacc gcgggacgac acgcaccggc agtgcgacac aagcgccgga 180180
 cacagcacgc cgcaaacgcg ctgaggacac cgctgcgctt acttatgtcc agagacacac 180240
 gcaccgccag cgcgagaaa gctccgtgga caaaactccc gcagccctgt ccagccctca 180300
 gtcctattcc gcgaatcggc gcgctgacgg tggcaaaacc tccctcagcc ccgtccccag 180360
 cgtaactccc gttactagcg ccggcgccca gcacgcccga aaacaccgcc gtcgccgccc 180420
 cgaaaagcga agcgccgcgc aaaagctgcc tagaaacgcc gcgcaaacac cgtagaaaca 180480
 cccgcgcgca acccccgagc gcgcgcaaca ccccggtcccc ggcgccggtc cgcgaaacaa 180540
 aaaacaccgc gggacgacac gcaccggcag tgcgcacaaa gcgccggaca cagcacgccc 180600
 caaacgcgct gaggacaccg ctgcgcttac ttatgtccag agacacacgc accgccagcg 180660
 cgagaaaagc tccgtggaca aaactcccgc agccctgtcc agccctcagt cctattccgc 180720
 gaatcgggcg gcttacggcg gcaaaacctc cctcagcccc gtcccgccac ggcgggcggtc 180780
 ggggtgtgtc gggggcgcgg ctgggtggat gcgtgcgtgg ggtgggtgtc ggggtgtgtc 180840
 gggcggtgtg cggtgtgtgc tgggtgtgtc gcgggctgtg ggcggtgtg ttggcggggt 180900
 gtgtcagggg tgtgtcgggg tgtgttggcg ggccgtgtct gcgtgtgtgc cccgggggtcc 180960
 gcgaccccc cctccctcg ggcatcgct tctgcgtgtg tctcgacgc gggttgtgcc 181020
 gtacttcgtc tgcgtttcc cccgcggtcc cctagggact tctcttttc cgcgtcttgc 181080
 cccccctccc ttgcgcccc gagcttcctc tggccgttgt tttgcgtgtg tctgttcttt 181140
 cctcttttcc gcgtcttgtc tctggccgtt gttttgcgtg tgtccccagg gaccgcgct 181200
 gccgtcccct gggaacttcc tcttttcccc ggggaatcaa acagacacag acgcgcgtct 181260
 gcttttcgcc gtgcgcggcg cacgtcgctt ttattcgccg tcgccggcct ccgcgaccgc 181320
 cgtccccacc gcaccacacc gcaccacacg caactcttcg ccgtcgccgt ccacacacgc 181380
 aacctcaaat ttcaccccc cgctaaaaac accccccgc ccctcgggga ccagcacac 181440
 ggcccggaat ggagggtaat gtttatggag taaaacacta ttgtccaggc cacatgcgtg 181500
 tatgacttcc gcaccatccc gtactgcatg ttccacatgt acgcgctaga cgtgtaatcc 181560
 actcgagtt cggggacgca acgcagccag atcacatccc cttgcagtac cagacgcagg 181620
 gctagttcta gagcgccgc cacggcgata tcggatccag acatgataag atacattgat 181680

gagtttggac aaaccacaac tagaatgcag tgaaaaaaat gctttatttg tgaaatttgt 181740
 gatgctattg ctttatttgt aaccattata agctgcaata aacaagttaa agcgggggtt 181800
 gaacaggggtt tcgctcaggt ttgcctgtgt catggatgca gcctccagaa tacttactgg 181860
 aaactattgt aaccgcctg aagttaaaaa gaacaacgcc cggcagtgcc aggcgttgaa 181920
 aagattagcg accggagatt ggcgggacga atacgacgcc catatcccac ggctgttcaa 181980
 tccaggtatc ttgcgggata tcaacaacat agtcatcaac cagcggacga ccagccggtt 182040
 ttgcgaagat ggtgacaaag tgcgcttttg gatacatctc acgaatcgca accgcagtac 182100
 caccggtatc caccaggtca tcaataacga tgaagccttc gccatcgctt tctgcgctt 182160
 tcagcacttt aagctcgcg cgggtgtcgt gatcgtagct ggaaatacaa acggtatcga 182220
 catgacgaat acccagttca cgcgccagta acgcaccggt taccagaccg ccacggctta 182280
 cggcaataat gcctttccat tgttcagaag gcatcagtcg gcttgcgagt ttacgtgcat 182340
 ggatctgcaa catgtcccag gtgacgatgt atttttcgct catgtgaagt gtcccagcct 182400
 gtttatctac ggcttaaaaa gtgttcgagg ggaaaatagg ttgcgcgaga ttatagagat 182460
 ccgcgtcacc ttaatatgcg aagtggacct gggaccgcgc cgccccgact gcatctgctt 182520
 gttcgaattc gccaatgaca agacgctggg cgggggttgt gtcatcatag aactaaagac 182580
 atgcaaatat atttcttccg gggacaccgc cagcaaacgc gagcaacggg ccacggggat 182640
 gaagcagctg cgccactccc tgaagtcctt gcagaagctt cgaattcgag ctcccgggta 182700
 ccatggcatg catcgataga tcgcagcctt aattaaggat gcatgtttta actcgacagc 182760
 gacacacttg catcggatgc agcccggtta acgtgccggc acggcctggg taaccaggta 182820
 ttttgtccac ataaccgtgc gcaaaatgtt gtggataagc aggacacagc agcaatccac 182880
 agcaggcata caaccgcaca ccgaggttac tccgttctac aggttacgac gacatgtcaa 182940
 tacttgccct tgacaggcat tgatggaatc gtagtctcac gctgatagtc tgatcgacaa 183000
 tacaagtggg accgtggtcc cagaccgata atcagaccga caacacgagt gggatcgtgg 183060
 tcccagacta ataatcagac cgacgatacg agtgggaccg tgggtcccaga ctaataatca 183120
 gaccgacgat acgagtggga ccgtggttcc agactaataa tcagaccgac gatacgagtg 183180
 ggaccgtggt cccagactaa taatcagacc gacgatacga gtgggaccat ggtcccagac 183240
 taataatcag accgacgata cgagtgggac cgtggtccca gtctgattat cagaccgacg 183300
 atacgagtgg gaccgtgggc ccagactaat aatcagaccg acgatacgag tgggaccgtg 183360
 gtcccagact aataatcaga ccgacgatac gagtgggacc gtgggtcccag tctgattatc 183420
 agaccgacga tacaagtgga acagtgggcc cagagagaat attcaggcca gttatgcttt 183480

ctggcctgta acaaaggaca ttaagtaaag acagataaac gtagactaaa acgtgggtcgc 183540
 atcaggggtgc tggcttttca agttccttaa gaatggcctc aatttttctct atacactcag 183600
 ttggaacacg agacctgtcc aggttaagca ccattttatc gcccttatac aatactgtcg 183660
 ctccaggagc aaactgatgt cgtgagctta aactagttct tgatgcagat gacgttttaa 183720
 gcacagaagt taaaagagtg ataacttctt cagcttcaaa tatcaccca gcttttttct 183780
 gctcatgaag gttagatgcc tgctgcttaa gtaattcctc tttatctgta aaggcttttt 183840
 gaagtgcac acctgaccgg gcagatagtt caccgggggtg agaaaaaaga gcaacaactg 183900
 atttaggcaa tttggcgggtg ttgatacagc gggtaataat cttacgtgaa atattttccg 183960
 catcagccag cgcagaaata tttccagcaa attcattctg caatcggctt gcataacgct 184020
 gaccacgttc ataagcactt gttgggcgat aatcgttacc caatctggat aatgcagcca 184080
 tctgctcatc atccagctcg ccaaccagaa cacgataatc actttcggta agtgcagcag 184140
 ctttacgacg gcgactccca tcggcaattt ctatgacacc agatactctt cgaccgaacg 184200
 ccggtgtctg ttgaccagtc agtagaaaag aagggatgag atcatccagt gcgtcctcag 184260
 taagcagctc ctggtcacgt tcattacctg accatacccg agaggtcttc tcaacactat 184320
 caccgccggag cacttcaaga gtaaacttca catcccgacc acatacaggc aaagtaatgg 184380
 cattaccgag agccattact cctacgcgag caattaacga atccaccatc ggggcagctg 184440
 gtgtcgataa cgaagtatct tcaaccgggt gagtattgag cgtatgtttt ggaataacag 184500
 gcgcacgctt cattatctaa tctcccagcg tggtttaatc agacgatcga aaatttcatt 184560
 gcagacaggt tcccaaatag aaagagcatt tctccaggca ccagttgaag agcgttgatc 184620
 aatggcctgt tcaaaaacag ttctcatccg gatctgacct ttaccaactt catccgtttc 184680
 acgtacaaca ttttttagaa ccatgcttcc ccaggcatcc cgaatttgct cctccatcca 184740
 cggggactga gagccattac tattgctgta tttggtaagc aaaatacgta catcaggctc 184800
 gaacccttta agatcaacgt tcttgagcag atcacgaagc atatcgaaaa actgcagtgc 184860
 ggaggtgtag tcaaacaact cagcaggcgt gggaacaatc agcacatcag cagcacatac 184920
 gacattaatc gtgccgatac ccagggttagg cgcgctgtca ataactatga catcatagtc 184980
 atgagcaaca gtttcaatgg ccagtcggag catcagggtg ggatcgggtg gcagtttacc 185040
 ttcatcaaat ttgcccatta actcagtttc aatacgggtg agagccagac aggaaggaat 185100
 aatgtcaagc cccggccagc aagtgggctt tattgcataa gtgacatcgt ccttttcccc 185160
 aagatagaaa ggaggagag tgtcttctgc atgaatatga agatctggta cccatccgtg 185220
 atacattgag gctgttcctt gggggctcgtt accttccag agcaaaacac gtagcccctt 185280

cagagccaga tcctgagcaa gatgaacaga aactgaggtt ttgtaaacgc cacctttatg 185340
 ggcagcaacc ccgatcaccg gtggaaatac gtcttcagca cgtcgcaatc gcgtaccaa 185400
 cacatcacgc atatgattaa tttgttcaat tgtataacca acacgttgct caaccctgctc 185460
 tcgaatttcc atatccgggt gcggtagtcg ccctgctttc tcggcatctc tgatagcctg 185520
 agaagaaacc ccaactaaat ccgctgcttc acctattctc cagcgccggg ttattttcct 185580
 cgcttccggg ctgtcatcat taaactgtgc aatggcgata gccttcgtca tttcatgacc 185640
 agcgtttatg cactgggttaa gtgtttccat gagtttcatt ctgaacatcc tttaatcatt 185700
 gctttgcgtt tttttattaa atcttgcaat ttactgcaaa gcaacaacaa aatcgcaaag 185760
 tcatcaaaaa accgcaaagt tgtttaaaat aagagcaaca ctacaaaagg agataagaag 185820
 agcacatacc tcagtcactt attatcacta gcgctcgccg cagccgtgta accgagcata 185880
 gcgagcgaac tggcgaggaa gcaaagaaga actgttctgt cagatagctc ttacgctcag 185940
 cgcaagaaga aatatccacc gtgggaaaaa ctccaggtag aggtacacac gcggatagcc 186000
 aattcagagt aataaactgt gataatcaac cctcatcaat gatgacgaac taacccccga 186060
 tatcagggtca catgacgaag ggaaagagaa ggaaatcaac tgtgacaaac tgccctcaa 186120
 tttggcttcc ttaaaaatta cagttcaaaa agtatgagaa aatccatgca ggctgaagga 186180
 aacagcaaaa ctgtgacaaa ttaccctcag taggtcagaa caaatgtgac gaaccaccct 186240
 caaatctgtg acagataacc ctgagactat cctgtcgtca tggaagtgat atcgcggaag 186300
 gaaaatacga tatgagtcgt ctggcggcct ttctttttct caatgtatga gaggcgcatt 186360
 ggagttctgc tgttgatctc attaacacag acctgcagga agcggcggcg gaagtcaggc 186420
 atacgctggt aactttgagg cagctggtaa cgctctatga tccagtcgat tttcagagag 186480
 acgatgcctg agccatccgg cttacgatac tgacacaggg attcgtataa acgcatggca 186540
 tacggattgg tgatttcttt tgtttcacta agccgaaact gcgtaaaccg gttctgtaac 186600
 ccgataaaga agggaatgag atatgggttg atatgtacac tgtaaagccc tctggatgga 186660
 ctgtgcgcac gtttgataaa ccaaggaaaa gattcatagc ctttttcacg gccggcatcc 186720
 tcttcagggc gataaaaaac cacttccttc cccgcgaaac tcttcaatgc ctgccgtata 186780
 tccttactgg cttccgcaga ggtcaatccg aatatttcag catatttagc aacatggatc 186840
 tcgcagatac cgtcatgttc ctgtagggtg ccatcagatt ttctgatctg gtcaacgaac 186900
 agatacagca tacgtttttg atcccgggag agactatatg ccgcctcagt gaggtcgttt 186960
 gactggacga ttcgcgggct atttttacgt ttcttgtgat tgataaccgc tgtttccgcc 187020
 atgacagatc catgtgaagt gtgacaagtt tttagattgt cacactaaat aaaaaagagt 187080

caataagcag ggataacttt gtgaaaaaac agcttcttct gagggcaatt tgtcacaggg 187140
 ttaagggcaa tttgtcacag acaggactgt catttgaggg tgatttgtca cactgaaagg 187200
 gcaatttgtc acaacacctt ctctagaacc agcatggata aaggcctaca aggcgctcta 187260
 aaaaagaaga tctaaaaact ataaaaaaaa taattataaa aatatccccg tggataagtg 187320
 gataacccca agggaagttt tttcaggcat cgtgtgtaag cagaatatat aagtgtgtt 187380
 ccctggtgct tcctcgctca ctcgagggtc tcgccgtcgc tcgactgcgg cgagcctact 187440
 ggctgtaaaa ggacagacca catcatggtt ctgtgttcat taggttgttc tgtccattgc 187500
 tgacataatc cgctccactt caacgtaaca ccgcacgaag atttctattg ttcctgaagg 187560
 catattcaaa tcgttttcgt taccgcttgc aggcattcat acagaacact acttcctata 187620
 aacgctacac aggctcctga gattaataat gcggatctct acgataatgg gagattttcc 187680
 cgactgtttc gttcgcttct cagtggataa cagccagctt ctctgtttaa cagacaaaaa 187740
 cagcatatcc actcagttcc acatttccat ataaaggcca aggcatttat tctcaggata 187800
 attgtttcag catcgcaacc gcatcagact ccggcatcgc aaactgcacc cggtgccggg 187860
 cagccacatc cagcgcaaaa accttcgtgt agacttccgt tgaactgatg gacttatgtc 187920
 ccatcagggt ttgcagaact ttcagcggtat taccggcata cagcatgtgc atcgcatagg 187980
 aatggcggaa cgtatgtggt gtgaccggaa cagagaacgt cacaccgtca gcagcagcg 188040
 cggcaaccgc ctccccaatc caggtcctga ccgttctgtc cgtcacttcc cagatccgcg 188100
 ctttctctgt ctttctgtg cgacggttac gccgctccat gagcttatcg cgaataaata 188160
 cctgtgacgg aagatcactt cgcagaataa ataaatcctg gtgtccctgt tgataccggg 188220
 aagccctggg ccaacttttg gcgaaaatga gacgttgatc ggacgtaag aggttccaac 188280
 tttcaccata atgaaataag atcactaccg ggcgtatttt ttgagttatc gagattttca 188340
 ggagctaagg aagctaaaat ggagaaaaaa atcactggat ataccaccgt tgatatatcc 188400
 caatggcatc gtaaagaaca ttttgaggca tttcagtcag ttgctcaatg tacctataac 188460
 cagaccgttc agctggatat tacggccttt ttaaagaccg taaagaaaaa taagcacaag 188520
 ttttatccgg cttttattca cattcttgcc cgctgatga atgctcatcc ggaattccgt 188580
 atggcaatga aagacggtga gctggtgata tgggatagtg ttcacccttg ttacaccgtt 188640
 ttccatgagc aaactgaaac gttttcatcg ctctggagtg aataccacga cgatttccgg 188700
 cagtttctac acatatattc gcaagatgtg gcgtgttacg gtgaaaacct ggcctatttc 188760
 cctaaagggg ttattgagaa tatgtttttc gtctcagcca atccctgggt gagtttcacc 188820
 agttttgatt taaacgtggc caatatggac aacttcttcg cccccgtttt caccatgggc 188880

aaatattata cgcaaggcga caaggtgctg atgccgctgg cgattcaggt tcatcatgcc 188940
 gtctgtgatg gcttccatgt cggcagaatg cttaatgaat tacaacagta ctgcatgag 189000
 tggcagggcg gggcgtaatt tttttaaggc agttattggt gcccttaaac gcctgggtgc 189060
 tacgcctgaa taagtataa taagcggatg aatggcagaa attctgatga taagctgtca 189120
 aacatgagaa ttggtcgaga agctaggcgc gcctgtttaa acatggatcc ggccgccctt 189180
 aattaacgtg ggagtctgat ccaacactga acgctttcgt cgtgtttttc atgcagcttt 189240
 tacagaccat gacaagcctg acgagagcgt tcatcggggc atgaagtacg cattacacaa 189300
 actccatata tttgttacga tagaatacgg aacggaggag gctttcgcca cacctatcct 189360
 gaaagcgttg cattctttat gataggtgtg acgatgtcct taccattccc acggctgctt 189420
 tgctgtgatga tgacattcat catgtatttc cattcacaca taccttttgt gcatacgggt 189480
 tatatatgac catccacgct tataacgaac ctaacagttt attagccctt gacaggatag 189540
 gtcaaaagat tatatgtagg ttttccggtg aaccgaattg tgatatttct ctgcaggaaa 189600
 tagaacagcc tggtagctat aaaacggaca atgcagtact gtagcagcgt aaccaagtag 189660
 gtccacatga acacgtacaa aattatggta agccatcggt tttcatacca cagcctgtag 189720
 ctgtcgtaca tgaatgagga cggtcgagga acccagggtg gttgtaattg ggggagacat 189780
 tcgtactgtc cagaagacaa ttgcacgggt ttcagtgaga tgagtacttt agcgtatgtc 189840
 gcggggggcg tacgtttcac cgtgacgggt agaacttgac cgtcgttttg tatttcatga 189900
 ggcacgttat acaagccact ggtatcatga aggatgacct ctgatgcgat gtgaggatta 189960
 aattgtccct caaaccgcca aacgctgggt atgtttccac cgtcaattac gcagctgacg 190020
 gtgtgagata ccacgatgtt ggacttaggt ttgggggcta attgcctttt taaaattcc 190080
 cttctgtatt gcaggctctg ctgccactgc ttttccgtgc ggaaagtcgc catgtcttcc 190140
 acacgtgtgg cgacgataga cgccaccaag gtagctacca gaagcagctg gatccgcatg 190200
 gcattaccgt atgtcaatta gaaagttgag cggacacgggt tatcgttcct ggccgatata 190260
 agtatataaa cgcgagttag cctttcccggt ccgttttgta caccggttcc ccacacaaat 190320
 gacgaatacg accttttttt ttataaaaat aaaccacgtg tattatataa aaacatttac 190380
 atagaaaaga gacacacgga tcaacataag gacttttcac acttttgggg tacacaggcg 190440
 tgccaccgca gatagtaagc gctggataga cggtagacag tcctggccag cacgtatccc 190500
 aacagcagca ccatcgccat ctgtatggcg atcacgacct cgagctctaa gtgtctgtat 190560
 tcatagtgtg gtcgtcgcag gttatccact gaattcccggt aactgaaata acgtatatgg 190620
 taccgaggct ggcaccacat gggtttgcgt ttggtgcacg gcaccaaag cagagtga 190680

tgggtccaagt ccgtgggcac ccactggcgc aaacggaata cggcttcggt ggtctccacg 190740
 aggcaactccg gggcgtgcag acggccccac ttctgtccgt gacggcccga ccagccgacc 190800
 cgagccacta tccctttctc gggatagaac gtaccctgta cacgccacac agcgtccaac 190860
 acgccgtcct tgacgacgca gctggcctga tagctggaca cgttgtaag cggcggaag 190920
 cgaaactgac gtgccggcgg agccacatag ttccggttcac cgtgttgctg cggttcgtcc 190980
 tccctatagt aatagtagtc gtcctcatag gggttgccgg cgtgagccag cgttacccaa 191040
 cagcagccca ggccgacgag gaggcgcagc caccgcctca tggcggcttc gccagtcaat 191100
 cgtcttttagc ctcttcttcc cgtgaggtcc ttccggtggc gcggtgccga cctcggaccc 191160
 agggaagtat ccacctcagg tacacacagc aggtacctg gacaccgaag ctgaacaagg 191220
 ctacgtgttt cacaactgc accagtacca catagaggaa tgtcaggtag cgtctctccg 191280
 caaacagccg ttccaagtct gagggcggtta cccgcagcgg caaccagggc agcctggacg 191340
 ccggccggca atggagcacg ctccggttac aggcactgca ggggtaaacg gttaacatca 191400
 cgtaagagag tcgtgcgtcc acctgtggga gctcagtttc gtaacgtaga gccccgtcat 191460
 tttccagctg ggggtgcgcg accttgaaat gggtcgcgct ccgctcggtta cccaggtgc 191520
 cgtaggctct cggggccgta tcggagaagt tgccacgcac aagccaggcg gccacgagta 191580
 ccccggtgctg gacgtaacat tcggacacgg aactggagac acggtagccg gacacgtccc 191640
 caaaccgcg aggggtactgg ggcagacgga cggacttgct atttgacaac ggacagatac 191700
 gagacgacga ggacgcagac gactcgtcgc tggaccacga caaccggagc gactccttgg 191760
 agcgggtcga gactacactt actgcgatca gacaccagt cagaagaag gaacaggtgg 191820
 acggggacca caggatcata gccgccggca ccgcggccgg ccgcaggaag ccgcccggcg 191880
 cgtcgtctgt gtgcgggagc cgaaacaccg tgcctcttta tatcgtcccg acgtgacgcg 191940
 agtattacgt gtcaggggaa acccccgtca cgacgaacgt gatttgtaag tgacgcgggg 192000
 tgctgacggg gttcggcccc agaggtgacg gagcgcctca cgtcagtatg atgtccgatc 192060
 cgcgtcagcc ccgacgtggt tgtggtcacc gaaaccacg tttatatgga cgttgagagc 192120
 agcgcctgac cacatgattc atcataccat ttctcggaat cgggcccag cgggaaagc 192180
 acattccttt tcagtaaaca acaatgacat cataacaaat cattttattc gcgaggtgga 192240
 taataaccgc atatcaggag gagggatcgg gtgatgacgc aggccccgca gaacagtccg 192300
 aaataaattt ttagtattgc cccatagtcg cctagatacc agaggtacgt caagttcatc 192360
 aaaacgcca tcggcgtccc ggaatcgtat accgggcaca cgaagcgttc ataacaatcc 192420
 cgggaggcga gtgttagggg agcagagtag ttccggggtc ggtttccttc cggcgacgac 192480

agttccgtgg gcagcagaat gtacagcgcc tcggtagctg tcgcggtgcc ttccacgagg 192540
 atgggctgcc ggtgcctttc gtgattttcc ccgtcgtgta gccaaagccga ggcccgcaaa 192600
 gtcttaggcg aggggaattg tccatagagt ttcaccgcac ctttcagtac atggttctga 192660
 ataacacagc cgcacgtgaa gtaggtaggt tctctcgtct cctccgtggc tgccgccacc 192720
 actcccagcc accacaacag gcagatcgcc agaggggttcc ggaggcttcc ccggcgtagc 192780
 atggttttgg gttaaagcaa aaagtctggt gagtcgtttc cgagcgactc gagatgcact 192840
 ccgcttcagt ctatatatca ccaactggtcc gaaaacatcc agggaaaatg tcggtgcagc 192900
 caacctttca catacagccc ccaaaacact tgaatcactg ccaccatcat cagcgtatac 192960
 tgcgccgact taatcgtgag cgcgtagtac gccattagac ggcgatcttc gaacaatagt 193020
 cgttcogatgt cctctaacga gctccacagg ggaacccaag gcacgaggca ccgggggttcg 193080
 cactctacat aataagtttg gcattggtgg cagggggaaa agtagaacia cacgagtttt 193140
 gtgcgttggg gaacacgata gtcccggagc cagtaacgtt ttgcgacgag gctttcggag 193200
 acgtcctcca ccggcgtcgg cactcgatcc gcgtagccct ccagcgtctg gtagtacacc 193260
 cggggtgtcg gcgtgggcac ggacagggtc ccgcgcaggg tccacagagc ctccaatcga 193320
 ccgcccgatc ggagcacgca gcgcgcctcg gaataactcta ctcggtactc cgaaacatcg 193380
 ggacagggcg gtaacggctc cgtctccacc aaggggcggag gttcatcgaa aagagtcaag 193440
 gataattcag gcatactacc cgcgaccggg gccacagagg ctagaataag cattacaaga 193500
 ttcattctgt cttacaaggg aaggctgttc ccctgtctag actcaaaagc tgtaaggctg 193560
 tcttatagca tgtagtcttg cacgtcatgg ggaacagggt ggtgatctag tgacgtcggg 193620
 agaacacggt gttttagggg gcgggggaca aaggacagta cgacagatta ggtgatagaa 193680
 acgttttttt tttatttatg aaaaagccag tgtgccgtgc ggcctagggc cccggcgtag 193740
 tttggatacc agatgggggc cgtcaggggt actaccacga gcagaaacat aatgacttgg 193800
 tccatgtata gcagcatagc ggtgcgcagc aggtcgccgt ccgtgtagca atttgacggg 193860
 gagcgataaa gcaccgttaa tgtgtcgcgg ataagcacga tcttgaggcc gtagatgaag 193920
 ctcacagtca gtgctaaaat gatgcgctgg tatgggtccc aggactgcac ggcgatgaag 193980
 agccagagta tgggaagcat gaagcttagc aaacagagga tggctaaccg tcgttgcatg 194040
 ttccaggcca taagccaggc taggcccgtc caccagacgc agagcatgga tgacaggaca 194100
 taggcctgga ttaccacggg gcgatcgaaa cacagcccga tgggtggacac ggatatcgta 194160
 gtgaggggtg tatataccat gaccagcatc aggggtcccgg gtcggcgccg acgttccagc 194220
 cagtacgcgt ggcaacgcag agcgcagggt agcagtgtgc tcagaaggg cagtgtatcg 194280

cgcaggtagg gggttgtcac gcgccacggt atgagcatga aaaggatggt agtggctatg 194340
 gtggcgctgg tctggaacac gacggtgccg tagagacgta ccatccagag aaagtgttga 194400
 acgctccgca ggggtgtcttc atctttggtg attacggtga ctcgacggat cggcggtggt 194460
 gacggcggcg acacgggtgg gggtttctct ttcttatggc cgagtggctc gccttgggtga 194520
 aactggatct gtacatgac ggggtgctcga cgaacagtcg tcggggcttc aggtacccgg 194580
 caagttttat agagaaaggg ggacgatggg tgggtggctac gagccaccgc caccttcgca 194640
 atacgaggat ctgaaggcgg caaagacggt cgtccagggc aggcgccaga ggttgggact 194700
 gagcacgatc agcgtgattt taaacatggt caccagtcct acgtagatta gcagcgagcc 194760
 gcgtaacgtc tgagcagccg gcagttcgtc gcggatgtaa cgcgtgccgt agaaagtcac 194820
 ggtcatcata aggaagacga tggcgccgta gccgtagagt agaatacgct gatgatggaa 194880
 cacggtctgg tcgccgataa cccaaagcgt gatgaaaaaa acgctgggtga gcacccgtga 194940
 gcatatgagc tccaacgct taacgcgaaa gctgtcccca accatgacag cgccggtgca 195000
 agctatccac agcgtgagga ccagtgtgta gtcgatgagg atggcgggca ggtcggagca 195060
 ccaggtgtag aaaatcgtgg taacggagag gaggcctacg tagcccatgg tcaataccac 195120
 gtcgtcgggg tgcttttcgc cctgtatcaa gaccaaacac cagagaaggg agggggcaaa 195180
 aaccagcagc agaggggaag attcatgttg acatatgttg tgggaatcgg ggatacccag 195240
 ccaaatacatt ccgcagaaag ccgtactgat ggcgatgtga aagaccacta gggcgtagac 195300
 ccggacgagg acagcaaaac ggcgcagcca cataaggccg tgggtgcagct gcaggaggga 195360
 agcccattgc ggcgaatgta gcgacggcag cggcgggtcc atgaggcggg tgatgcgccc 195420
 gagtgaacgg gtgagcgtct cgggtggagtc ttcttataaa ccagcgggtc tcaagcaacc 195480
 ctgctctgga acgtcgcggt ggtgctgttg aggatgacgc tgagcgtgcc gttgtcgatc 195540
 agataatgat gataggtgcc gagcttggcc aggtagctga acatttggtc ccagcgtgcc 195600
 gaccacacca cgggcgtgag catcaggagt gtggtgtgat agattagtgt ttcggtggcg 195660
 taaagtatca gcgagctgcg gatgacgtgg ttcacgggca ttttgggtggc gatgtagcgc 195720
 acgtcttgga aaaggacggc caggatgcag cccacgaaca cggtgtagag acacagcaaa 195780
 gtcttatgta accaggtgta agtagaagcc aggacgctga ccatcacggt caaaagtgtg 195840
 gaggtaaaaa gcgcgtcacg ccacacggag ctgagacggt gctccaagc cacgccgttg 195900
 caggccacga acaacgtcca cgtaggatg aggctagaaa tgccgatggg cgctgtggcg 195960
 cacaggttga gcccgcggtt ggtgaacgag agaagcgcca catacagcgc aaacaccagg 196020
 ccgttgctgg ggtgtctgtg atcggtgagc tccagcgcgc ccagaaccaa tactggtgtg 196080

cagctaagca atagcggcga gggatcgtcg ctgcactcgt agcccagcga ggggtaaccc 196140
 agccaaacca gcgcgctaata gagtacgctg aaagcggttt ccagcgtcag caatccgtag 196200
 acacgcatga cgatcgcggg cgcgcgtagc caacacacgg cattttcgga aactgtggac 196260
 gctgttttcg aataccggga ggagatcgtg cttccctctt ccaaggatcg gaaagtagcg 196320
 tccgtcgttt ccgcggacgc ggcttccctg gtacgctccg tttccgacga cgcggtttcc 196380
 cgctgcgtgg aaactgtctt catgtcggga ccgcagcgcc cggcggcgta tccgcaagg 196440
 ctcgaagcta cagcttgta gaggaaggt aggtttgcaa aaaggtgcgc aggggtcatga 196500
 ttctcagcac catcagcaga gtgaaaacca gactgagaaa caccttgacg gccgccaaaa 196560
 gcgcgcgttc cagcggcgtc tcgtagcgta cagccagggc cgcttcgtgg aaatgcgaga 196620
 cggctagaca ggtaatgagc acgctgaagg acaagacgat cttaaagcac caggaccaac 196680
 cagcctcaa gatgaccacc acgattgccg tgaagggtcaa cgtgatcaaa gcatggacga 196740
 ccacgatctg acggcggacg gtacgttcgg gagccaacaa cgctacgcg gtgcagctga 196800
 gaaaggccag taagggtgaac aacgcggccg agatgaccaa cgtaccgtcc aggcagagac 196860
 atatcacgat caacggcggc acgtgaagca gcgtgtaaaa gagcagaacg ccgatattgc 196920
 tgggatgcga tgtttcgtaa cagtgaatga agatcactga cgtgacgggt atgacaaaga 196980
 cgaggctggg cgaggactcc gtgagacaca gacgagaatg gtgaaaccac gtcgcgggcg 197040
 ccgcgtagca gaaggcgctc aacaacgcgg tcaagccggc cagctgcaa cccacggcg 197100
 cataggtgtg cagcgccacg cggcaacagt cgaccaagc cagactgcg gtcgccagcc 197160
 gggctctctg gatcccgggg ggcacgtaga tgaccgtgcc atcgggtgggt acttgaaacc 197220
 ctttttctct tctcatggtg cgctgcgttc tctggaaacg gctgctctgt ccgaaaacca 197280
 gttccgaacg aaaatctagg gcgagagggt ggacaacggc gtcgacgacg aagcatggga 197340
 caggctcgtt gccgttaacg tcatcgcgtc ggacgacggt agttctaaga gacgtagatc 197400
 gctcagcagg tcctgacagt tgcggattcg caagatcaga aaaaaaggg aaatgaacgt 197460
 aataaagagc ttagcgacg tatgcgccac atcgcgtggc ataagaacgt gacggacgaa 197520
 aaggacctgc tgcgaaaagt gaccggcgaa gataaggccc accgtgctgt agaagcccaa 197580
 aagcagccgc aggggccaag tccagggccg cgtgaagacg atgagaacgt tgaccagaaa 197640
 gaccacgacc cagacgccgt tgatgagggt aaattgatcg gacagggtgc agttgtcgcg 197700
 acagatgaag actacttccg cgcagagcaa ggtgatgacc aacgtgagca caaacgacgt 197760
 caacacctcg cggggctcct ggcaggcaca cgtgacacct agcgcggga tgtgcgccag 197820
 gaggccggcg agtaatagca ccagctgtcg gaacggacga cggcagcgcg ggtgccggtt 197880

tcgctgagcg agaaccggtc gctcatagcg gaaatacacg aagagcgcgg aggccacagg 197940
 caccaggagg agcacctcgg gcgcccagac aacgtgacaa ggaaagcccg gacgcgactt 198000
 gagagtcgct gtagggaaga ccagagagaa gctacccaag acggccaccg ccgcggagat 198060
 ttggaagagg agcaagccgg cgattcggac gacaacctcg aagcgatgca cccagcccag 198120
 cacggccacc acggccgctt catcatagtc gtcgttggtg ccgctgtcga acagccgccc 198180
 aaacacgatac tgtcgtggtg tcgcggtggg aaagcgcaga cccatgacag ccggaggcta 198240
 tatgaccgcg cgtctaagac gcgagatccg tggggggact ttagatggt tgggcggccc 198300
 gcagttctaa caggcttgat tgggtggagac ggccggcgcg gcgggtgggg gaaacgacga 198360
 gtttttccgt tacgccatgg ttcgcgtgag gtttctctgt acctcccgca aaaggtcaca 198420
 gcccgaaatg gaggccgctg tgggtggcccc ggtggcgctg gacgataacc aggtcatcca 198480
 agcgatgagt ttgtctaata agtcctcggg ggtgaagagg atgagaatga gcaggtacag 198540
 gtacaccagg ttctcataga gacacaaggt gagcaggctg gcctcggacc acgcgatctc 198600
 aaacaggcgc gtggtgtcaa agaccgtgac gaccagcatg aagctgagcg ccatggcgta 198660
 atagcccaaa aaaagtttgt gccccaacgg tacgggctgc aggtaaagtg cgatcaagaa 198720
 cgcgataacg ccgatcacia acagcgtgac gatgacctgc catcgacggt gattatggcc 198780
 ggctagaccc gtgacgcagc tgcagaggct aaaaagcacg caagccaaga ggcccagaaa 198840
 ggtcaccagc gtagaggagg agcaggcgct ggccacgata accgaaagcg tcgtgagcac 198900
 gctataaatg gtgagcaggc ccgggctcgg cggcgacgtg aacgatcctt catcgcggtt 198960
 gccgtgcagc agggccaaac agatgggtgg caccatcaaa ctcaagggcg gcataaagcc 199020
 ggtgcaacag agaaagacgg tgcctttaag atgcggaaaa gccagcacca ggcccagaca 199080
 gagcaagaag gtgcagggtg cctgcacggc cacggtgctg tagaccgca taaaagtaa 199140
 aaagcgacgt acgtcgttcg tcgagacgga ggaaatcata atgactccgc gcgagggtcg 199200
 cgggggtggg ggcgcccagg ccgtcccggg ggccctctgag ttcggagaca tgacggcggt 199260
 ggctatcaaa aggcgcgtat gagaaaccgt ttatagagt taatagaatc accgtcattc 199320
 ccacacggcg ttccccata aagtcacgtc acactcgagt aagcgtgaaa aagctttatt 199380
 gttgaataaa aaacacgagt acaacaccga gttgcggtgt cctgtctgtc tactgggtgg 199440
 ggggggttca tcgtctgtct ctagagggaa ggtggggaac gtctaagcga gcgggagcgt 199500
 gtcactctcc ccatcttttt acaacaagct gaggagactc acgccgtcga tgcgtccgcc 199560
 gtgtttctcg gcgtactgct gcaccagac gtggccgcta aagatggcga cgctcatggt 199620
 taggagactc atgacgatgg tgtacaacac gacgctgaca catacgctgt ttttagacaa 199680

cgttccacgc tggtagatga gatccaggggt ctcgtaaata agcacggccg aagcggcggt 199740
 caccaccagg acgtagagtc cgctgtagat cttgctgacc cacagcacgg gcgaaaagta 199800
 aagcaatagg taaaagacga tgacggacca gccgtagcca atcccgatga ctttccacgc 199860
 cgtgggattg ttgccggcca ggtaggtgag accgctgcag agaacgaaaa agaccatcac 199920
 cagggcaaac gacagaccga tgacgcgcct ttctccgcaa aagcccgtgc acacgggtgat 199980
 gccggtgttg atcagcaagc acgccaccgt gagatgagca aaattggtgg tgtgtgggcg 200040
 aaactcggcg aaaccgcgta gcatagccag cgtggacacg ggtacgatgg aggatagggc 200100
 tggcactatg ccgttggcgc actgtccctg cacatcgggg aaggcgagcc aagccagcaa 200160
 gcagaccgtg aggggtacaag ccagctgccca cacgagcccg tgatagacct ccatgagcag 200220
 cttaaagcgt ttcaaccatt ggaagagctg ctgttcggcc accagcgcggt ggctgcgatg 200280
 gagcggcacg atggtgaccg tcggcgactc atggtgttcg gaaaccgagg cgggtgcgcc 200340
 catgctgccg cttacgaccg ctgtcgggtct aaggtaggcg tcgatgaaac agtccgtctt 200400
 atcagcaccg gggtaccgcg gatttgattg acgtcacgag tgttgtcaaa ccgtggcggc 200460
 accctgtatc cgaccgcgtc tcatgggctc cacaaccaga gcctcagaag atggtacatg 200520
 ccgatgaata aagccacatt ttcgacatag aggcgtagcg agggctgaaa actctccggg 200580
 aaagaactct gacaggtgat cagggacaga tcgtgaatta gcatcagcgt caccgtcaac 200640
 agcgtcgtcg cgtgtaaacc gagaaagaac ggggcccgcg cccgcagcag ccaaagtccc 200700
 agcgccgtag cgagagcag agacaggacc gacggtagcc acagccgccg gagagacgcg 200760
 ccaggatcgc aacccaaaag cgaggccccc aggcagctga gatctaccgc cagggcgaga 200820
 agagccgcgc cgacaaaggc ctgcggcgac ggctggcaca tcagcaaggc cagaaaggct 200880
 agcgcggtgc gcaggcagta agccaacagg agtgggagtt tgcggggaca acggtcgatc 200940
 gacggaccgc gtagcagcag gaacaggcag ccgacgggca cgacgaggct gagatgagaa 201000
 agcggcggtg ggtcgtcgtc ccgtccccgc tcgcatagct cggccaccgg tggcggcgatg 201060
 agccaccagc tgagcacgct gagggcgacg gtggcggtaa gctggaaggc gacgaggacg 201120
 gaggcgcgca gccataccgc cagcctctct aggtagggga ctacctctc gacggtccat 201180
 tctagcggga cgacatgaag catggcgaca agcgcggtg ctgtgaaaac gggcgcggtt 201240
 ttataggcat taggacttcc ccgtcgtact ggcggctgtc aaagtcccgt tgtccaaagg 201300
 cgcgccgtcc gaaagactaa tccaacgggg acccgagagc atgagcaaca acgtgagaaa 201360
 gatggccatg ctgtccaggt agagacagac ggcgtgacgg atgcattggt taggtgggca 201420
 gaaaaagatg accatgagac tgtcgtaggc cagaataccc aaaaagaagc tgatagagaa 201480

ggcgcacaaac gtcaccacta tcttctgcag ccaatcgggc tgccttagca gagcgagcgt 201540
 gaggaacgaa agcagcatca ccacgtagac gcagctgatg catttccagc gacgtcggtc 201600
 acggccacct agaaacgcca gccccgtaaa ggagataaac aacgccaggg tcatcacgta 201660
 ggaacctact agtacgggc tttcagagca catttggaag atggccggcg tcaggctgtt 201720
 ggccaacaga tagatgaaaa gcaccgtggc gttactaggg tggtcgttgc ccaacgtgta 201780
 cgtgatgaac atgcagacga tgggcacgag cacggtgaga aagaagctgt agttctcgac 201840
 gcaaaagtgt cggttttgtg ggaaccccaa ccaaaaaacg cttccaagc cgaagctgaa 201900
 agccagctga aagatgaaga tggcgtagac gcgcagccat acggtgaact ttttgaaaca 201960
 ctcgagagcc tccatgcggg agagcagcag cgcgttagcc tcctggcct gcatggtggc 202020
 gacggtctcg gcacaaagcc gctgcggcgc acctaccctt ctcttataca caagcgagcg 202080
 agtggggcac ggtgacgtgg tcacgcccg gacacgtcga ttaggagacg aactggggcg 202140
 acgccgctgc tgtggcagcg accgtcgtct gagcagtggt ggcgctgccg ggctcggagg 202200
 gcatgaagta gagcacggag acaaagaggt acatgaggtc catgtacaag cagagcgcg 202260
 ccgggatata actctcatalc tcgatgtcgt gcaggatgtc ctgcgatatc cacaccaccg 202320
 aggtcacgat gacggccaaa ccggctatca tcaccaggat ctcaattacc gcctcgggaa 202380
 aaagagaaaa tacggcgaac agtaagagaa tcagcgtgga tgcgcccgtc aatagggaa 202440
 gctgtaattc cacgtcgcgg gcaaacagat acgtagcgag cgtgaggaaa caaatagcg 202500
 tcaactgtggc caccatggca taaatgactg aacgatgact aaagtggaag cctgacgccg 202560
 tgacagccac gctggtgaag aacgtgtacg tcagtaagat ccatacgttt ttgggaaagt 202620
 tgggctcggc ccaacgcaac agacctaggc acacgatgga gatcattaag caagacagcg 202680
 tcagacgcac gctggaaaag agctgctcca gccggtgcgg caacaccagc cagcaaaagg 202740
 cgcagacgct cataaggatg aggcattgca ccagataag gatgtagatg cgcagcagga 202800
 agaccgaccg ggctatctgg acctgaccgc ggagcgacat ggcggaacg ccggcggtta 202860
 tcgccgagat tcgtctaaat acacgaagcg aactagaaaa cgcacacacg tgatttgcaa 202920
 aaagaaagca gctgccggct tattatttta ttaaaaattt atctgtgcag aatcataagt 202980
 ttatgatgaa taaaacggg gaaaggaat ctgcttttag ggaccgggt ctggtccgtc 203040
 gtctcccatc tggtcgggtt cggggatggg gacctgttcc agcgtgtgtc cgcgggcgtg 203100
 catggctttt gctcgccggc cgcgctgtaa ccaggcctct ttctctgtgg tcggcgagtc 203160
 ttccgacggg tagggaacct gggagtccat cgcttcaggc ccaccgctcg ttccctcgac 203220
 cgctcgtgtc tcctcgtttt cgctattaca cggggtttct ggagtatcgc ctatacgtt 203280

ggcgattctc cgggggcggc cgctctcgtc ctcgtcgtcg ctatcgccgc ccggtaatc 203340
 gacgccgcat tcgttgtagc gagcgcgga catgggcggc ggaaagagct tgggcatgcg 203400
 aaagcagcgt tgtccatcca cggctctcgt ggtttcatcg ttatcctccc ataatcccc 203460
 ctgtagcgcc ggcagcgttt cgacgctgtg agaggggaag gccagttct ggttgcttg 203520
 cagcgcgccc gtgggcagta ggtccgtgcg gcccacatgcg ctgctgttg tgggtacctt 203580
 gtcagtgccg cgagtaggtc gcagaaacca gtccagagcg ctctctagct gcgagcgtgt 203640
 gatggtgccc agtgcgccgt gccagcgag cacgtctctt ttcagcgtgt ggtgacagac 203700
 gggcagctcc tccaaccgac actcgccgcg caatccgcg tcgaagcggc agagaccacg 203760
 cagtttaagc agaccgcact tgagaaacat gtgaaaatta tcggcaatgc gatacaggtc 203820
 tgagtcctcg atcttgtaga ggtagaccac gccaaacttg tcgagcagca ccaggccgct 203880
 gggcacaaaa ggcccgtagg ccaggtaata gccacgagg ccgacgacgt accactcgca 203940
 gcacaagcgt tgacgaataa agttcagaag atcgcgaaag tccgcggccg gcatgtggtc 204000
 aaaaggtctg caggcgcgca ggccctcgat ggagccaagc atgagcaacg gctccacctc 204060
 ggtgcgaccc ggctgcgga tgaccaggtt gagaccgtc atttcgcggg ccgtcttggc 204120
 cacggccgca gcgtcagtgg ggtcgggtgca gaggaatttt tgcacatgat agcgcggttc 204180
 ggtggtggcg aacggcgttt gtgggtgccg atacacatat tcgcaccaga gtaagccgtt 204240
 cttggaaaag gctttgatat cactggccac ctcgtagagc ccgtcgggtct ccagtcgta 204300
 gacgtagacg gtgccgtaat gacttagcat gagcacacag ggagttcct gcgcctgctt 204360
 ggtgtttcgt gtagatcgc tgtcgggtgg acgtacggct aatacaccga cggcttccag 204420
 ggtgtcatcg cagcagagat agtcggcggc cagagaacgt gcgtaaatct gcgggatagc 204480
 ggctgttcg cgcatcacta ggaaccagtt ggcggggttg cgagtgcta cggtggttcc 204540
 ctggtgacgc tgcacgtagg ttctcagcgc cggaggatcg tactggcgca gatagaggcc 204600
 ttgcagcatc gataacgtct tttgaaagac ggtgtttcta aattggaaaa cgccgtagtc 204660
 gcagcggata gcatcttcgc agcgctcgtc gcgctgtcgg agataggtgc ccaggcttc 204720
 ggcggcggtt ttggtgagta gggacatgcc ggcaaagccg tctcgacagc gaatcggata 204780
 aagcgcgctg cgcgaaagct taatatagga gcagcgtcag acgaatcgcg gctggtggcc 204840
 cggggggtgg gacgcgccgc ctacacaaag tgctcccgaa aatcgaaact cttgaccac 204900
 tccggagaca aatccgtatt cagattgatg cgtcgcgctt ccacttcggc ttccgaaacc 204960
 tcggcctccg tccggtaggc gtaaacgata cgctgacca ggtgccaacg ctctttctct 205020
 gccaaacgcc gttgctcaaa ccattcgtct acgtccttga ggtcaaagac agtgcctcc 205080

tcaaggtcaa agcctaggtc ttcccactcg tcgtcatcgc tctcgtggcc ggcggccata 205140
 cgcgcgga caagcgtcttc cctcctcttt ctttcaacgt ttggtaccac gttgttttct 205200
 tcgggttcca taggttctgc gccactgtcg tcactcgtct ctcctgtctc ctcatcgtcc 205260
 gccaaaggcg cgtggattac ctccagggtc tgattgtcgg gtacgacgtg gttatcttcg 205320
 tcgtcgtcgc gtggcatggg tggcgggcca cggcggacga ccggcatggc gcggccgtcg 205380
 tttccttcgt cttcctcttc accgtctccc agggaacgcg gtcgacggcg ttccgcgaag 205440
 tcgccgcgga ccacgcgcgc ctgccagatg gtaaattgcg cccaaccgtc ccagttattg 205500
 agcatttcgg cgcggaacg gtcgcctcga cagagccagc gaaactgccg cgcgtagtcg 205560
 cggctctacg cgctgtcgaa catggtaaag tgcagacgcg ccgcttcgcc catgtgtacg 205620
 cagcctccgt tgcgttccag cctggccgcg cgccgcagac cgtgttcgta gcggcgacgc 205680
 acgtacacct tcatgaggcc ggcgcgaaaa agttcctcta ggctgtcagc cagacggtag 205740
 atttcaccgg caagacgctg caggggaggc gagcgggtcca ggtgcgactt gacgatcacc 205800
 acgtaaaaac gacagaaacg gtcgaagatg atgaggaagg acgtgtcaaa aaaaccacca 205860
 gcgcggtagg agcccacggc gccacgaggc taccagcggc aacgcagttg cagcgtgacg 205920
 tacatttcgc actcggccaa gcggggcggt ggcgctacct cgaagggcca gcagtccgtc 205980
 aagcagccga aactggctag gagtttcaac gttttggcat gacgccaggc tgtgtgaaag 206040
 ttcacgtcgc gtccgtggtg ttcaccaacg caggcgcca acgcgtcggc gtcacgagcg 206100
 tgacgcagca gcatcgctac cacgtcgtgc ggtaccgcg tagcaaacgg cgtctgtggc 206160
 tgacgggtaca cggcttcggt gtacatcata ccgtaacgcg ccagctcgtc cagatgacgc 206220
 gcgcacaaca gcagaatctc ttgcgagggg tcgtagatgt agaggcgcg accgccacc 206280
 atgcagagca ccagctccgt ttcttcgtag tgatcttcca ccatgatcac gcacttgcct 206340
 agcacgataa ggcgttcggg gcaacaaatc acgtcgtcca gcaactggc gcgtagctcc 206400
 ggcatggtgc tgccggggcg cacctgcagg aaccagttgt gcggaatgcc gagcgacagc 206460
 acctggctga cgtggttacg gacccagtcg cgaagcacgt cggcgctgta ctggcactca 206520
 aagatgccct gaaagtcgcc catgaccgc agaaaagttt cgtagcgcgt gtggcaatag 206580
 aggaattcat cgtttcgcgt aaacgtggga gctccgtctt cccaacgtgt acgccacatg 206640
 tcaaaagagg ccgccagcta gacacccag aaaagaagca gagaaggaga cttctttgtg 206700
 cgacacgttt tattccgcgt cctccgctcg acgttcaa atctggatgtac tcgcgcacac 206760
 ccgtcaggct cttaagga aaaggtccg agtacgtcac taaccgcgac tgatgcacca 206820
 gggcggtaat caccgcctcc gcgcctcgc gcgtcgacga acgcgtcgtc accaggcagt 206880

gcagccgcgg gccgatatcg tcctgatgac cagcggcctc gcgctcggct gcttccacac 206940
 cgacaatgtc gggatccaac acgtagctct gcgagttggg gtcgtagcgg tgtagcacca 207000
 acgtgttggg gtccagacgc tcccacgcgc cctcgtgcgg gtcaaaacgc tccgttaaac 207060
 agagccagtc atactgctgc tgcagaatac gccgctcgcg ctgcgctcgc tcatcgggca 207120
 acgcggcgtc ttcgttgaag agaattgtccc gcttgtgggc tacggcacgc tcgtggtggg 207180
 gcgggcacag atgacggtgt tccatacgcg tctgacgttg acgctcgcgc tcaaaacgcc 207240
 ggtgtcgaaa gaccattttc agcaacccca tgcggaaaaa ctccgtgatg gtgttggcaa 207300
 cgcgccgcac atagtgggtg gggctcgtcca tctggatggc gtacacggca ccgaaccagt 207360
 ccagcagtac cagcacttcg gccacaaagc tgcgtcccgg tcgcgacgt cccgtcacgc 207420
 ctagcacata ccacggcgtg gccagattag cacggacagc ccaccaccaa cgacggctct 207480
 ccacctcggg gagcgcacaa aagggccaaa tgcggtgtaa ttgctgcacc gttttcatca 207540
 gccgcataat caccgtgccg taaccgggtg tatgcaactt cacgtcgcaa cccaggattc 207600
 gttcggccgt ggcgtacgag ccctcaggcg tgggtgtcatt gagaaacaaa acatgcatgg 207660
 tacgcgcgcc cttaggggtat cgtcgcggaa caggtaccgt cattctccgc aaagtgggtg 207720
 gaatcacgtc gcgatacgca atctccgaac gtgacacacc gtaacgtgcc agttcgtcca 207780
 ggttgtgcga taccaacacc atgtactttt cacgagtgtc gtaggcgtag acgcgagaaa 207840
 agcgacccat aaaaaccacg tacggggtag ccaccatgcc atcatggtga tcgcgacgtg 207900
 gctcgggcaa caaaataaca gcgtatccca acggcgtcag cggctcgcgg caacagatga 207960
 gctttgacgc cgctgtttg gcggcggtaa tgatcccgtc ctccgtacgt aacatcacat 208020
 gccagccctt ggggggaccc aaggacagac agcgtccctc gttacgatga acgtaacgcg 208080
 tgatttccat tggctccagg caaaagaaca gttccttaaa atcccgaac acttgtcggg 208140
 ataacgccat gggatcctcg gccgccacag gcagcgcggg gagctccggc ggcataactg 208200
 cagcgccgtc agggccagaa cccgcagccg gatccatcat tgcgcgacac tctcagccgg 208260
 acaaccggcg tactgacag aagccgagcc aaatacagag aaagcaacgc tacaccgtca 208320
 ccccgctccc aagcgcccg gcgagtgctc cgatttttca ccgtcgttcg cgacgttgat 208380
 ttgcctcggg ctgagaaccg acctagcgtt cggaccgggtg gcgagaaaca gccggcggtc 208440
 cgagccactg agcggttcac agccccggcc gccgatagtt accggagaga cgttcgagct 208500
 gcaggtacat cggcgtccc cgcttcgcca cccgcgccc gcccagttt atactctccg 208560
 acgccccgtc caacgcgcct gtggagggcc aatcggaccg cgggagctct ccaagtggat 208620
 gacaggcaca gccgggtgcc cgaccgtaaa gagccctcat ccacctgaac agaccgctaa 208680

ccgaaggacc ccgagtcgcg tccgtcggtc ccgacgtccg tcgtcatctg gctccctgct 208740
 gttggctacc tctcggattt caaaaaagag cacgtgccga tgacggtgca caggaaagag 208800
 ccaaagtgtc acagcgtcct tttttatttg tattcctttc ctgttttgta ctcgtaaact 208860
 gttgatgttg tttttacatc caaaagggca agtaagaaac aggatgaggc atggtagggt 208920
 tgggcgcggg gcggccctcc agcacggcgg cccggggccg ccggcgggtg agcaccgcgc 208980
 gttgcgcggt atctatcttg tgtttcttct gtgtcttttt cctatcttgt tccgcgacgg 209040
 cctctttcat cacgttcagc atgcgttcct cgacgccctc caggggtcct ggggaggagg 209100
 gagtccatgt gaggttcca atgttgtttt gtggattttc ggtttcctct tcttggtcgt 209160
 catcgtcggg cgtgtcgtct tcctcttgat cctcttcttc gtccgaatag tagacgcata 209220
 gtccttggtt catcaggctg ggattcatca ggttctgacg gggaatccgc tgttgtagac 209280
 gtttaaccgc ccgttccagg cgagagctca tgccgcacca gacgtgtaa cgccgcacgg 209340
 gcccgtagcg ggctgtttgt tcgcgtacat gatcgttgag ctcttgccaa tattgtttgg 209400
 cacactccag atcggagggt tgtggatagt cgggtcggat ccgcggatcc caactgacat 209460
 cggcgggtgcc agagacttcg tccagactgt tacgcataga gcaccagtcg ggtcggacga 209520
 taaacctgtc cttgcggatt aaccatttat aacgtagttc gtgatggcgt gtagaggccc 209580
 gtacacgctc cacggtccca aagcgggtccc agaagggaaa gttttcgtga gggcagcgac 209640
 ccggcacttc cagacgttcg gcgtcgtcca cggcgtagtg aaaacgccgg ccggcctggt 209700
 aaattttgag cagaccacg gttaacaaca tgtccacgct gtcagccaac cgccagatct 209760
 cgcgccgaga cacgtcaaaa tagaaaaatt cgcaggctcg gtcgaccagg atcacgaaat 209820
 cggcgtgaaa gacgccggag ggtagcgact cgcccaccac acccattatc atggtttcac 209880
 agcataagcg gtccacaaag aacttcaaca ggtcgttgaa ttgctcagtc tccatacaga 209940
 tgaagggcca gacgcctttg aggttctcgg cctggccgca gagcagcaac ggacgcgtca 210000
 tctcgctgag agtgccgaga ggcacgcatt cgccgcgata acgacaggtc acacgctgca 210060
 gttcgctgat gctgttgctg tgcaggcgaa ggtcgcagat aatatgatcc ggttgctggt 210120
 ttagcagcgg cgtgcgcatt tgctcgccgt agatggcctc gcagtgaac agcccgtgtc 210180
 gtgcaaaatc gtccagactg tgcgccaggt agtaaagcac cccgcgatcg cgttctagac 210240
 accacacagt ttcgtaacgt cctagcagga gcaccagacg ggcctggcta ggcggctcta 210300
 tctcctctac gtagacaaaa aagtcgtcgt cgtctgagtc ctcgtcctcg gaagaggatc 210360
 tcggcccatg tactctgggc aacacggtgg tcgaaaactg caggacgcc agggactcga 210420
 gcgactcttc gcagcagatg agctgacccc agggcgtttc gggcccatcg gtgacggccg 210480

cgctgccaaa gatgtcctca aactctacaa aatctagacg ccatccgggt ggcgctgaga 210540
 cggaaggct aatgttcatg tcagcgtagc tacggactaa gtggcggatg tcctgacgcg 210600
 agtcttgaca gagaatgagt ttctgtagac ccttgagggt tcgccgaaca acggccccag 210660
 acgcgtagcg ataggactgg cgcattggtgc cgcggcgtgg agaggcactt ggcagcctat 210720
 tttatggagt ttcttcaatg acgtggcttg ttcacgtcgt tcgtgggctg cggtcggcag 210780
 ctccggtctg taaaccaccc gaaaagactg acatcgacgt caaagactca cgtaatttgg 210840
 aacatgtgca actgcaaagt gcgtcagaat agcacgtgac tttgggacat aaaaagtacc 210900
 gtgagttata gacgtggttt ttgtgattga cacttacagc aggtaagaca agggacgata 210960
 aaactgtatg tgaggaacct ggggtgcttag acaactaacg tgttatgctt tttacaggac 211020
 cgttcagcag gtaacactac ctgtaagggtg atgaccacct ctacaaacca aaccttaaca 211080
 cagggtgagca acatgacaaa tcacaccttg aacaacaccg aatctatca gctgttcgag 211140
 tacactcggg tggggggtatg gttgatgtgc atcgtgggca cgtttctgaa cgtgctggtg 211200
 atcaccacca tcatgtacta ccgtcgtaag aagaaatctc cgagcgatac ttacatctgc 211260
 aacctggcta tagccgatct gctgattgtc gtcggcctgc cgtttttctt agaatatgcc 211320
 aagcatcacc ctaaactcag ccgagagggtg gtttgttcgg gactcaacgc ttgtttctac 211380
 atctgtcttt ttgccggcgt ttgttttctc atcaacctgt cgatggatcg ctactgcgtc 211440
 attgtttggg gtgtagaatt gaaccgcgtg cgaaataaca agcggggccac ctgttggtg 211500
 gtgatttttt ggatactagc cgtgcttatg gggatgccac attacctgat gtacagccat 211560
 accaacaacg agtgtgttg tgaattcgtt aacgagactt cgggttggtt ccccggtgtt 211620
 ttgaacacca aagttaacat ttgcggctac ctggcgccca ttgcgctgat ggcgtacacg 211680
 tacaaccgta tgggtgcggtt tatcattaac tacgttggtg aatggcacat gcagacgctc 211740
 cacgttcttt tggttgtggt tgtgtctttt gccagctttt ggtttccttt caacctggcg 211800
 ctattttttag aatccatccg tcttctggcg ggagtgtaca atgacacact tcaaaacgtt 211860
 attatcttct gtctatacgt cggtcagttt ttggcctacg ttcgcgcttg tctgaatcct 211920
 gggatctaca tcctagtagg cactcaaatg aggaaggaca tgtggacaac cctaagggtg 211980
 ttcgcctggt gctgcgtgaa gcaggagata ccttaccagg acattgatat tgagctacaa 212040
 aaggacatac aaagaagggc caaacacacc aaacgtaccc attatgacag aaaaaatgca 212100
 cctatggagt ccggggagga ggaatttcta ttgtaattcg atcctctttc acgcgtccgc 212160
 cgcacatcta tttttgctca ttgcacgttt cttcgtggtc acgtcggctc gaagaggttg 212220
 gtgtgaaaac gtcattctgc cgacgtggtg aaccgctcat atagacaaa ccggacgctg 212280

cctcagtctc tcggtgctg gaccaggcgg tgtccatgca ccgagggcag aactggtgct 212340
accatgacgc cgacgacgac gaccacggaa ctcacgacgg agtttgaata cgaccttgga 212400
gcaacccctt gtaccttcac cgacgtgctt aatcagtcaa agccggtcac gttgtttctg 212460
tacggcgctt tctttctctt cggttccgtc ggcaacttct tggtgatttt caccatcacc 212520
tggcgacgtc ggattcaatg ctccggcgat gtttacttta tcaatctcgc ggccgccgat 212580
ttgcttttgc tttgtacact acctctgtgg atgcaatacc tcctagatca caactcccta 212640
gccagcgtgc cgtgtacgtt actcactgcc tgtttctacg tggctatgtt tgccagtttg 212700
tgttttatca cgagattgc actcgatcgc tactacgcta ttgtttacat gagatatcgg 212760
cctgtaaaac aggctgcct tttcagtatt ttttggtgga tcttgccgt gatcatcgcc 212820
attccacatt ttatggtggt gaccaaaaaa gacaatcaat gtatgaccga ctacgactac 212880
ttagagggtca gctacccgat catcctcaac gtagaactca tgctcgggtgc tttcgtgatc 212940
ccgctcagtg tcatcagcta ctgctactac cgcatthcca gaatcgttgc ggtgtctcag 213000
tcgcgccaca aaggctcgc tgtacgggta cttatagcgg tcgtgcttgt ctttatcatc 213060
ttttggctgc cgtaccacct gacgctgttt gtggacacgt taaaactcct caaatggatc 213120
tccagcagct gcgagttcga aagatcgctc aaacgtgcgc tcattcttgac cgagtcgctc 213180
gccttttgtc actgttgtct caatccgctg ctgtacgtct tcgtgggcac caagtthcgg 213240
caagaactgc actgtctgct ggccgagttt cgccagcgac tcttttcccg cgatgtatcc 213300
tggtaccaca gcatgagctt ttcgcgtcgg agctcgccga gccgaagaga gacatcttcc 213360
gacacgctgt ccgacgaggt gtgtcgcgtc tcacaaatta taccgtaata aaaaagcgtc 213420
acctcggcct tttcatacaa acccgtgtc cgccctctt tttcccggtc ccgatataca 213480
cgatattaaa cccacgacca tttccgtgcg attagcgaac cgaaaagtt tatggggaaa 213540
aagacgtagg aaaggatcat gtagaaaaac atgcggtggt tccgatgggt gctctacagt 213600
gggtggtggt ggctcacgtt tggatgtgct cggaaccgtga cgggtgggtt cgctcgcgcc 213660
acggtccggg cacaatcaac cgtggtccgc tctgagccgg ctccgcgcgc ggaaaccgca 213720
cgagacaaca atgacacgtc ttacttcagc agcacctctt tccattcttc cgtgtcccct 213780
gccacctcag tggaccgtca atttcgacgg accacgtacg accgttggga cgtcgcacgt 213840
tggtgctgca cccgctacgg gaacgccagc gcctgcgtga cgggcacca atggagcacc 213900
aacttttttt tctctcagtg tgagcactac cctagtttgc tgaaactcaa cggggtgcag 213960
cgctggacac ctgttcggag acctatgggc gaggttgcct actacggggg ttgttgatg 214020
gtgggcgggg gtaatcgtgc gtacgtgata ctcgtgagcg gttacgggac cgccagctac 214080

ggcaacgctt tacgcgtgga ttttgggcg c ggcaactgca cggcgccgaa acgcacctac 214140
 cctcggcgct tggaactgca cgatggccgc acagacccta gccgttgca tccctaccaa 214200
 gtatatcttct acggtctgca gtgtcctgag caactgggta tcaccgcca cggcgccgtg 214260
 ggtatgcgcc gctgtcctac cggtctcgt cccaccccg cccggcccca ccggcatgac 214320
 ttggagaacg agctacatgg tctgtgtgtg gatcttctg tgtgcgtcct tttattagct 214380
 ctgctgctgt tggagctcgt tcccatggaa gccgtgcgtc acccgctgct tttctggcga 214440
 cgcgtggcgt tatcgccgtc cacttccaag gtggatcgcg ccgtcaagct gtgtcttcgg 214500
 cgcgtgctgg gtctgccgcc gccaccgtca gtcgcaccac ctggggaaaa gaaggagcta 214560
 ccggctcagg cggccttgct gccgccactg accacctggt cactaccgcc gtttctgtcc 214620
 acgcggatac ctgacagtcc gccgccaccg taccagcttc gtcacgccac gtcactagt 214680
 acggtaccca cgctgctgtt atatacgtca tccgacatcg gtgacacagc ttcagaaaca 214740
 acgtgtgtgg cgcacgtac ttatggggaa ccccgaggc ccgctcgatc gacggctacg 214800
 gttcaggaat gtacggttct taccgccccg aattgcggca tcgtcaaaa cgacggcgcg 214860
 gtctctgaag gccaaagaca tggagatgcg gttcaccata gcctggatgt ggtttcccag 214920
 tgtgtgctg atactggggt tgttgacacc tccgagtaac ggggtgcaccg tcgatgttg 214980
 acgaaacgta tccattcgag aacagtgcc ccttcgaaac ggtgcgacgt tctccaagg 215040
 agacatcgaa ggtaacttca gtgggcccgt cgtcgtggag ttggactacg aagacatcga 215100
 tattactggc gaacggcagc gacttcggtt ccatctcagc ggactcgggt gtcctacaaa 215160
 ggaaaatata agaaaagaca atgaaagcga cgtcaacggt ggaattcgct gggctctata 215220
 tatacaaacc ggcgacgcca agtacggtat tcgtaaccag catttgagta tacggttaat 215280
 gtatcctggg gaaaaaata cacaacagct gttgggttct gatttcagtt gcgaacgtca 215340
 ccggagaccg tccacgccgt tgggaaagaa cgccgaagt cctcccgcga cccgcacgtc 215400
 ttctacatac ggcgtcctca gcgctttgt agtgtggatt ggatccggcc tcaatatcat 215460
 ctggtggacc ggcacgtgc ttctggcggc ggacgtctc ggacttggcg agcgttggct 215520
 gaggttgga ctgtcccacc gggataaaca tcacgcatcg agaaccggcg cgctccagt 215580
 tcaacgcgac atgttacttc ggcaacgtcg acgggctcgg cggctgcacg ccgtttctga 215640
 aggcaaactg caggaagaga agaaacgaca gtctgctctg gtctggaacg ttgaggcgcg 215700
 accctttccg tccacacatc agctgattgt gctgccccct cctgtagcgt cagctcctcc 215760
 tgcggttccc tcgcagcccc ccgagtattc gtctgtgttt ccgctgtat aaaaataaag 215820
 agacgggagg ctgatcgcg ccttcagcgt ctcatctgtc ttactctcg agtgcggctg 215880

gtgtctcatc ggtgagacga ggccgcccgc cgacaagttc gatctcatgt cgctcttgga 215940
 gcgcgaagag agttggcgtc gcgtagtcga ctactcgcac aacctgtggt gtacgtgcgg 216000
 taactggcaa agccacgttg agattcagga ccaggagccc aactgcgagc agccggagcc 216060
 cgcacactgg ctagaatacg tggcggtcca gtggcaggcc cgggttcgcg attctcacga 216120
 tcgctggtgt ctctgcaacg cctggcggtga tcacgccttg cgcgccggtt ggggtacggc 216180
 gtattcctcg ggttcctcgg cctcttcctc cggtttcgtc gcggagagca agttcacctg 216240
 gtggaaacga ctgcgccaca gtaccgcggc ctggttggtt cgccgccggc gagctcgata 216300
 cactccgtct aactgtgggg aaagtagcac tagcagcggc cagagtagcg gtgacgagag 216360
 taactgcagt ctacgcaccc acggcggtga cacacggggg gaacaacact aatcgataag 216420
 tcgctgtag gcgactggct acatcaaccg gatattctgcg gggatttaaa aagacgaccc 216480
 gttgtcatcc ggcttagagc aaaccgtcct tttatcatct tccgtcgcca tggctatgta 216540
 cacatccgaa tccgaacgcg actggcgctc tgtaatccac gactcgcacg gcctgtggtg 216600
 cgattgcggc gactggcgag agcacctcta ttgtgtgtac gacagccatt ttcagcgacg 216660
 acccagacc cgagccgaac ggagggccgc caattggcgg cgacagatgc ggcggttaca 216720
 ccgtctgtgg tgtttttgtc aggactggaa gtgtcacgcg ttatacgccg agtgggacgg 216780
 caaagaatcc gacgacgagt cgtcggcgtc ttctcgggc gaagcgccag agcaacaggt 216840
 ccccgcttgg aagaccgtgc gagccttctc gcgggcctac caccaccgca ttaaccgggg 216900
 tctgcggggc acgccccac cgcgcaactt gccgggatac gagcacgcct ccgagggctg 216960
 gcggttttgc aatcgacggg aacggcgaga ggacgatctt cgacgcggg ctgagccgga 217020
 ccgcgtggtg ttccagttag ggggagtacc tcctcgccgt caccgggaaa cttacgtgta 217080
 agaacacggc gtgacaataa acaacatagc gtaaattcccc gtgtgatgtg tgtgattgac 217140
 gttcgggaaa catgtcccca tcatcagcgt cacaactgac gtgggttggt cactgacgtg 217200
 caggatgtta cgcgagtcag agaatcgcat aagaacgggg tggtagcgcg gttcccacag 217260
 gagtctctgg cgcaaaagca ccatgagcct caggttcccc gagagggcgg gttacgagaa 217320
 actgggatac cgcccgcatg ccaaacgcgt gtgggtgcat gaccggttgg gattgacgcg 217380
 gtttatcatg aggcaactca tgatgtaccc gctggtgttg ccgttcactt ttccgtttta 217440
 cgtgccgcgg tcctagcacg tcagtgggtga cgctgataat tgcaacatgg cccatgacga 217500
 acccgcttgg gacgaacgtc aataccacgt caaaccaccg tgacttggct gaacgttgaa 217560
 acataaagcc aaagcgccgt cggcacttgg cttcagagca gcgcctcggg gcgatgacgac 217620
 ggcgatgaac ttagagcaac tcatcaacgt ccttggtctg ctctcttgga ttgccgctcg 217680

tgctgtcagc cgcgttggtc cgcatggctc cggactcggt tatcgtgagc ttcattgattt 217740
 ctacgggtat ctgcagctgg accttctggg accagtgggtg gcggggaatc gctcagtccg 217800
 gacctggaga gagcaggcgg accgagccag agggaccttc gttcggcggt caggccttaa 217860
 tactagccac atcttacctg tcggcggcct gtctgggggc tccggtacct taccgcgcgg 217920
 cctgtatcgt cccgaagaag aggtgttcct cctcttgaac cgctgccatg ggccactgtc 217980
 aacgccgaaa agcgcttttc tggctgaggt tgggtgctgct aatgccagtt ttttatctcg 218040
 cttcaatgtc ggtgattttc acggagcgtc atgggaaaac ggtaccgctc ccgatggaga 218100
 gcccggggta tgctgaaatt cttcttaaaa ttacgtaaac gacgtcgtcc agtcgttgtg 218160
 ccgcgattcg tacggttcat cgtctacgtc gttttgttca ccgtcgtgtg gcaacgcgtg 218220
 aaacaagagc gtgatgcgca ccttcggcgg tatgaagaac gattgcagaa aaaccgtgca 218280
 cggcgtcggc agagttttcc gtgacttggg gcggtgggtc cgagctgcgg tatgggtcac 218340
 ggcggcgtgc gtcttattga caaagatgcc gatgtgtgac taaaaaacgt cccagcccca 218400
 gagcgatgtg tttcaataaa aattatgtag tatcatatta tgcgtgtcct gggttttcat 218460
 tttttggatg tatttgtcgc ataaaaggcg gtgggatgtg gggatgaaat atatccagat 218520
 acgcagtttt gttatcctaa caaaacccgt gtcattgctaa aaacggtaat gcaggatgaa 218580
 agtcccgtgg gggggggggg gaggcagaca gtagtcgttt ttgccgctgg gcgtacgcta 218640
 tgcttgtatt tatgactata atatgtgcac tcgtgtgtcg atgttcctat tgggaagggt 218700
 gtgaatgtag gaggtataaa gaatggtggg atgcggagag gcatcgctag acacaggttg 218760
 atcgttgtgc tagccccacc tgagcagcgt catgaataaa gcggtgatta agcgtgaaaa 218820
 caccgtgagg gggggggggc aggacgcttg gtggcagtggt ccgttgata ccttacgtgt 218880
 ctgtattggt acatttgcaa atcgtcgggt gcgacgggtat agtttaacga taattatatt 218940
 atgtatgcgc agtatacaat gccgtaaacc attgtaacac gaaacgttac aatgatggga 219000
 aagatgccga taaaaaacac ataaaacaca taaaaggcat atacacgaat tactagttag 219060
 acgtttgtct atgtgcgagt tcaaggacac ttgtataatg catatcccta taatcggatg 219120
 tgtgttactc attcgtggcg ttgttatagt attgtgaaaa agaattctcg taagcatgtt 219180
 gacaactgca aaataaaagc attttattga gcattgtaat ggtagtgtgt ggctacatta 219240
 gaaaacgtga cgcgtcgcat gtcgcggcac aatctggcag cggggtcggg gtagggtagc 219300
 gtgggaggca tgtacacaga tggaacaaaa gcagaagtaa cgtgagacgg agcatatagt 219360
 ccagtatccg gcggttcctg agtagcacca cccatcaact gaatgccctc atgagtaaaa 219420
 gtctgcgggc gacagccctt ggggaccgtt ggcattgggac gatcaatctc caaaccacag 219480

cgtaacacgg ttttcttcca acgtcgttga tagacgtcgt ttttacggtt actccccaga 219540
 acccagaaag tctcgtccaa gtcgtaccag gagtcttccc cagggagacg tggcggtttc 219600
 caatcctcat cgtcccgtcg caaagcacgt cccaaactgg cttggggagt caacggtggt 219660
 tctgtgggtc ggggtgtagcg cgagtgtttt cccttcatga gcgattcgtc ctccctgcct 219720
 ttaggcctttt tggctctttt gtgtatcatc tggcgcgcgg cctccataac caccgtggcc 219780
 aagtccagtc ccagagcttg agcgtcggcg cggcgtcggg cgtcttgagc atagtcttcc 219840
 acatttgac agatggccgg gtgtttggtg gctaggggtga gcacctcagc ctgcgcgcgg 219900
 cccggacgta gcaaaaaagc taactgcccg tgcggctcgc gcgcccacag cgcggcgcgc 219960
 ggggtgcaggt gcagcgcgtc ccagcgcggc cgctcccact gctcgcggtc cagctcgggc 220020
 agcagccgcc gcgcggcctc ggcggcgggc gccgactcgc gcccagcgc cagcgcgcc 220080
 agcacgcccg cgcgcagaaa gtgcgacagc tccgccgcca gtgggtacac gtgcccgtcc 220140
 agcgggcagt acccgaacac ggcgcccagc tcgtccagca ccaccaccag catggcgcgc 220200
 ggtacggtcc ccgacgcgc cggacccacc atcgccgcgg gaccaccat caccgtcggc 220260
 gccgcgcgtg ctgccgctgc cgcgcgtcc gccccgacca ccgcgtgcgc gtccgcgctt 220320
 ggcacgcaaa tcgcgctccc gccggcggcg ccgtacggct gcggaggtaa agtcacagca 220380
 gacccacagg ctcccgtat cgcgcacggc gcgtccccgc cggcggcctc cgtctccgtg 220440
 ccgctcgcgc ccggcggcga cgtcgtcccc gccgcgctcc ctgtcgcgg cccgcgcgcg 220500
 cagcccagcc accgcgacgg cagcaccgcg cccagcgcca gccagccgca gcacagacgc 220560
 tggttcaggt gccgacgcac ggccgtcagc agcgcgcgg ggtgcggcgc cgacgcgaac 220620
 ggctcgtact gcgccagctc ctgccacgcg cccagcagca ccatcggtg cagtcgcctg 220680
 cccggcgtct gcagtccac cgtcgtgccg gccaccggc ggcgagctc ccgtccgagc 220740
 gccgtcgcct cctcggcgcg cagcaacgtc tggcgaagcg ccggctgagg cagcagcgtc 220800
 gcgcgcgggg tgcccagcc cagccggttg cagcggtaga gccgcaccac ctgcgccgcg 220860
 ccgtgccgaa accactcgtc cgcgtcgcgc gccgccagga tcagcgtgtt gttcgccagg 220920
 tcgtacacga acacgcggaa cccggcgcgc agcgcaggt acagtccgtc ctgcgcgcac 220980
 agaccctcgg gatggccggc cttgtcgcgc accgtcgggt cggccgcggg gtccacctcg 221040
 tgcaccacgg tcgccaccag cacgatccac gcgtcccgcg gcgacagctg acgcaggtcc 221100
 gtcgcgcca cgccgttcat ctggctgcgc ggcgtcacc gcgcgtagaa tccgtacggc 221160
 cgtccgagcg gcagcagcgt gccgcgtcg cgtcgcgacc attgcgcat ggcgcggccc 221220
 gtgctgttg ccaaaaacgc cgcgcgccac acggcgcca tggcctggta ttccagctcc 221280

gtcagcgccct ggcgctccac cggaatctga gacagcagca agcgctccgg gccgtgccaa 221340
 aagttgctgt tgttgccgct acccgaggagg gcgcccggcg gcccgcgggg ttctacccgg 221400
 tggacggcgt gggccggtgt cgccgtaccc gcagcactcg tactagtccc cgctgttgac 221460
 gtcgcttcca aagaagaaga acgagaggaa ccaacccccg aaggccctcc ggcttcgcgg 221520
 ccgcgaccga ggggcggggg gcgcggcgac atgccgttgc gctgggccat ggccgcccga 221580
 cacctccgac gtccactata taccaagcaa acccgcgctca gcgaccacgc cgtttacaca 221640
 tgcggacgcc gcagtcgccc gtgtgccccg gccgacacgc atctggcttt tataggcagc 221700
 gacgtgcacg gcgcttgctg gcgccgcctc gccgcgcagt cggaagccc gtggaaatgc 221760
 acccggcagc cgacggcgca ctggactggc aaaggcagcc cgagcgagaa cccatctagg 221820
 tggacggccg acatccattc cgggccgtgt gctgggtccc cgaggggagg gggggtgttt 221880
 ttagcggggg ggtgaaattt gaggttgctg gtgtggacgg cgacggcgaa gagttgcgtg 221940
 tgggtgcggtg tgggtgcggtg gggacggcgg tcgcggaggc cggcgacggc gaataaaagc 222000
 gacgtgcgcc gcgcacggcg aaaagcagac gcgctctgt gtctgtttga ttccccgggg 222060
 aaaagaggaa gttcccaggg gacggcagcg cgggtccctg gggacacacg caaaacaacg 222120
 gccagagaca agacgcggaa aagaggaaag aacagacaca cgcaaaaca cggccagagg 222180
 aagctcgggg gcgcaaggga gggggggcaa gacgcggaaa agaggaaagtc cctaggggac 222240
 cgcgggggaa acgacagacg aagtacggca caaccgcgt cgaggacaca cgcagaagcg 222300
 atcgcccagg ggaggggggg ggtcgcgac cccggggcac acacgcagac acggcccgcc 222360
 aacacacccc gacacacccc tgacacaccc cgccaacaca cccgccacac gcccgcgaca 222420
 caccagaca caccgcccac acgcccgtgac acaccgaca cccaccccac gcgcgcaccc 222480
 acccagccgc gcccccgaca caccgcgacc gccgcgggtg cgggacgggg ctgagggagg 222540
 ttttgccacc gtaagcgcg cgattcgcg aataggactg agggctggac agggctgcgg 222600
 gagttttgtc cacggagctt tctgcgcgct ggcgggtgct gtgtctctgg acataagtaa 222660
 gcgcagcggg gtcctcagcg cgtttgcggc gtgctgtgtc cggcgctttg tgcgcaactgc 222720
 cgggtgcgtgt cgtcccgcgg tgtttttgt ttcgcgacc ggcgcgggg acggggtgtt 222780
 gcgcgcgctc gggggttggc ggcgggtgtt tctacggtgt ttgcgcggcg tttctaggca 222840
 gcttttgcg gcgccttcgc ttttcggggc ggcgacggcg gtgttttcgg gcgtgctggg 222900
 cgccggcgct agtaacggga gttacgctgg ggacggggac ggggtttgcg gcggggacgg 222960
 gggggtgtgc ggggacgggg ggtgtgcggg gacggggggg gtgcggggac ggccacgggg 223020
 gccttttgcg gcggggacga tgcgttgcg ggccgggggc cttttgcggc ggggacgggg 223080

cgttgcgag acggggacgg gagtggggac ggtggtgagg acggggacgg gggcctttcg 223140
 cggcggggac ggggagttgc gggatggcgg gctggttgcgt ggcggggacg ggggactcct 223200
 gcggcgggga cggggaacac agacggcacg cacacgcagc tcgcctatctt aacctccacc 223260
 cactacaaca cacacatgcc gcacaatcat gccagccaca gacacaaaca gcacccacac 223320
 cagcccgctt caccagagc accaacacgc gttaccctta caccacagca ccacacaacc 223380
 gcatgtccaa acttcggaca aacacgccga caaacaacac cgcacgcaga tggagctcga 223440
 cgccgcgagc tacgctgctt gcgcacaggc ccgccaacac ctctacggtc aaacacaacc 223500
 ccaactacac gcatacccca acgccaaccc acaggaaagc gctcattttt gcacagagaa 223560
 tcaacatcaa ctacgaatc tacttcacaa cataggcgag ggcgcagcgc tcggctaccc 223620
 cgtccccgc gcggaaatcc gccgcggcgg tggcgactgg gccgacagcg caagcgactt 223680
 cgacgccgac tgctggtgca tgtggggacg cttcggaacc atgggcccgc aacctgtcgt 223740
 aaccttactg ttggcgcgcc aacgcgacgg cctcgctgac tggaacgtcg tacgctgccg 223800
 cggaacaggc tttcgcgcac acgattccga ggacggcgtc tctgtctggc gtcagcacct 223860
 ggttttttta ctcggaggcc acggccgccg tgtacagtta gaacgaccat ccgcgggaga 223920
 agcccaagct cgaggcctat tgccacgcat ccggatcacc cccatctcca catctccacg 223980
 cccaaaacca cccagccca ccacatccac cgcacgcac ccacatgcta cggctcggcc 224040
 agatcacacg ctctctctg tcccttctac accctcagcc acggttcaca atccccgaaa 224100
 ctacgccgtc caacttcacg cagaaacgac ccgcacatgg cgctgggcac gacgcggtga 224160
 acgtggcgcg tggtatgccg ccgagacatt tacgtgtccc aaggataaac gtccctggta 224220
 gacggggtag ggggatctac cagcccagga atcgcgctct tcgccgccac gctgcttcac 224280
 cgatatccaa taaaccatc ccctcgccac gacgtctccg cgtatctttg tagcctcagg 224340
 aatacgtccc caggtccacc catcccaagc actccacacg ctatcacaga ccacggacac 224400
 ggcaaaaaat gcatgcaaac ttctcattta ttgtgtctac tactctgtgt tgctacaggg 224460
 agtgaagggg gtgaaggcaa agaaaaaaaa aagaacaaaa taatagatta gcagaaggaa 224520
 taatccgtgc gaccgagctt gtgcttcttt tcttataagg aggcaaatat actagggaaa 224580
 acataacaat aggaagaaac cgaggtttgg gagaaaagct gagataaaat agcgcatttt 224640
 ccatacagag gttgttgttt ttgtggatcc taagaggttt caagtgcgaa tctcaaagtt 224700
 ctacagagaa tattgtcttc aagaatcgac aactgtggtc caagattttt ttttggctct 224760
 tttaggttct gcgagggaca tcacgatgga tcgttgcgat gaagtcacgc gtacgcctct 224820
 ggtgtggcgc ggtgtcgtga caggagagtg tgttttcagt gcagagctgt cttgattcct 224880

atatccgagt atctgttttc tcgtaaggac ggtaatcttc tttggtgtaa gtacatctaa 224940
 aagctgcaaa ctatatTTTA agggctgtct ctaggtgtac tttgatgctg gagtttttcg 225000
 ctgtgttgat gtgaataaat ctactactac tattatatgc agaaagagtg attatgccga 225060
 gacaagattg cattggctga actgtttcaa aaacgcctac actctactta tccgtaaacc 225120
 taaggtaata ctatgtgtaa gttgtttttt tttctttttg tagtaaaatg gtgatacgtg 225180
 caattaaaac tgtattccat gtttccatcc tttcatttca actttaaagg cggctttgag 225240
 agcgaagaag tgcgaggata aaaatggatg actccttcgt gtccaggagag tcgactactg 225300
 caacgctgat tgattaaaag atggctctccg atgatgttgt tattgatcga atcatgggtgc 225360
 agaacggcga cggagaggag cgtgtccgcc gccgggaagg tggctctctt ctcttttctt 225420
 ttttcaagaa atcttccatg tgtttatcgt agtgatcgaa atcgactgat ctcggggttct 225480
 ttttgttggt ttcttttcgg ttaatcatgt attgttttct ttttttacag aaagatactt 225540
 ttttcatgag caattcctcg cccggcgccg gcatgccgag gtggggccac tgcgatcagc 225600
 ggcacgccga cgccgacccg gggatcttgg attcaccgtt ttctctcttc tctctctaca 225660
 tacagaccgg gtggcaggag cggtaaggaa tcatcgtcgt ctttcattct tcgatgatta 225720
 tggtaatact aaatcttata taggagcata tacatctaag attggagtac tagtagtcgt 225780
 ttgtgggttc tatttttttt tatatttata tatgacagtt tttctgtttt tcgttttgat 225840
 aataatataa taaaaactca tggacgtgaa atctggcttg gttgtggtga tttcattctc 225900
 attattgttg ttttctttcc gtcttgcgga tgaagatgtt gcgatgcggt tgttgttggt 225960
 gttgctatac accgagagag atgatctttt tgttcttctg gttcatttcc tatgattgtt 226020
 tggctgctga ccgacgcgtc aggatgtgca gggcatgcgg ggaatcagga ccggacacgg 226080
 gataatttca tctacctata cggagatcgc ggtcctcgcc atgaggatcg cgacaggcgc 226140
 gtcgaggggg gcaggaacac ccttgcggat tgacattctt ggtggtggtt cgttgttgtc 226200
 ggtagttgtt gttgacgatg aggataaata aaaatgacct tgtttttgtt ctgttttctc 226260
 ttgttgggaa tcgtcgactt tgaattcttc gagttatcgg aaagctgagg taccctaatg 226320
 tctgtagctt ttttcttttt accctcttgt ttatcatctg cgattcgtgg taggtaggag 226380
 agggaaatga taatccgaga ttaaggaaag gagaagataa aaaaaaaaaa aataataaaa 226440
 cagaagccga ccggccgccg acccgttccc caggaccagc ctacgaggaa cggataacgc 226500
 ggtggcgacg gcagcgggtg tggcgctggg ggtggcggtg gtggtgctgc tgatggtagt 226560
 cgggacggag gagagacgat gcatacatc acacgtgcat gctgcatggg tggatggacc 226620
 gaccgggaga cgcggaagag aaactcacat aaaaagggtg caaaaagagc ggttgaaaag 226680

agaaaacgag attcgaccag acagaagaga aggaccgggg cttggcgacc cttccacgac 226740
 tgctgttgtc atctcggctc ctccgtcttc tcccggccac gggcggctaa gtcaccgccg 226800
 ttctccccat ccgtccgagc gccgaccgac cagccggccg attcgcccgc cggggcttct 226860
 ggagaacgcc ggagcagcag cgatctgggg aagccgctaa acccctgcgt ttttatatgg 226920
 tagctctgcc gagcgcgggc tgacgcgttg agtaagcgga aagacgtgtg tgacgaaaag 226980
 gggccccatg gtatttcacg tgacgatgag gagatgcggt ttggagcaca tacggtttaa 227040
 aaaaaggagg ttgtcgtgac aagggtgag ggacctctgt ctccatgtgt gtataaaaag 227100
 caaggcacgt tcataatgta aaaaagaaca cgttgtaaac aagctattgc tgtatcattc 227160
 ggctgactat gcttcattcg gactgatttt cttttcctaa cggcgtaact taaagtgatt 227220
 aacgtatgat atttgttccc cagagttata ctatagtcac catcctaaaa ttcagatata 227280
 aggtgctaaa acaaacttat acgttgatcc tacacgttct acgattaacc aacagagacc 227340
 aaccatgtct cttaacctc gcttggggccg ctaccgtctt tccaaaccag atcgtaacct 227400
 ccttcattta cagacgtaac gttacacagc gttaaatgca catggctgca attacatatg 227460
 ccaccgaccg atcccaacgt aaaattgttt acgcctgtca cggtaaaaac cgtggtctca 227520
 ttatgttttag ttccatccgt aagcttccaa gttgacgtaa gatcgtgttt tagatttgta 227580
 ttttcaccaa cttttatact agaactttta aaactttcaa cttcaaggca taatgccaaa 227640
 attaagcacg ttattagtc ccccccccc accgaggaat gtgactggac cgtttcttag 227700
 cagctttggg agccatcttc aagggtggacc gcagctacag cgaaaccgag tccagtgacc 227760
 gataaccacg tgcaaccctg cgtatgtacc agtccaagta cgtccggtca ttgttcaca 227820
 caggaaatct aactaggtca acggacaaaa ccaaattgtc aatccaccat atgcacaaca 227880
 caaaagcact gacgtttatt tgttgaatta tcaacgttac ttagttacaa taaggaacca 227940
 tgtatccact tgaatgttg ccaactgggt cttccccgtt atagtcatag cgttcccagg 228000
 caaaagctaa cgccgaacct aatgcagtaa accgcgcttg caccagaac cagcttatgt 228060
 atcagccaca ataacatccg gttattgttt ccacaggaaa tcctaccagg caaagccccg 228120
 cttgttttgt ttctaaccat cttgttttagc aactcgtaaa ctgtcagccc agcgacgtcc 228180
 gtttgatca aaagccacgt atactgagac gctgtttcta cccgtttccc catcccacca 228240
 ttcccgggca acccaccaca gtcccacaa ccaaccacca acagaaaaca tacacagacc 228300
 accgggagtt cagttaaaga tttcatcagg tttattttgg ctgctgctag tcttttgctt 228360
 cttagaaaaa aaatacccat atagagaaat aatgatagtt tgacaacaca tatggcaggg 228420
 atttcttctt catcaataag atatgcaatt ccccaggga gagactttca acaattgaat 228480

ttacaaaaac aaaattacat caggagaaaag agaggataca ttaataaata tattatatct 228540
 ggtgtatata ctgaatgctg ctggttcata aggtaacgat gctacttttt ttaattccaa 228600
 gatgattttt ctttgtagt cttttgttga cttgctgggt cctaaaagt cgcaaaaacg 228660
 attgtgtgaa gattttatga cgttgggtga ctagttcatg agattctgct gtacgtgtga 228720
 tggttattcg ctggttcgtt ctaagatgag tatcgtactg tgtctgcat ggtcgtctct 228780
 tactggcatt ctctcggctg cctcttgctt tcatgattga aaaggaaaaa aggactccga 228840
 gggcgcgggc atcttttact tttcggtttt ctcgttggcg ggtcagaggt agtcagatca 228900
 tgagactgtc gtggtcgtg aaactgtgtc tgctcaagt acgtccattt cttgtacgga 228960
 gaaaaaagtc atcgggataa ataaggctat acaaggcgtt gtcaagcgtg cggctctaaa 229020
 caaattaagc gatacaaaat tacagtaata cgaataataa attacccccc tccccctgtg 229080
 gtcccccgag gcgagagcca cccatcgtgt actctcgcac caccacgac cacagaggga 229140
 gacgggacga agagacgacg cagagcgcca tctcctcctg gaggccggcg gcgttaactg 229200
 ctacagctgc ggcggcgacg acagctgcga tttgtcggcc gacatgccga tggatatggc 229260
 ggcggcgcca gtggccgcgg cagcggggag gagaggagag agaagaggag cggggcgtcc 229320
 gaaggcgagg atggcatgat ctgcgcggag cgcccggtt ttatgggata ctgcgtccg 229380
 gtcgggcagc gccacagga agatgagtca aaacttttaa accatcctga gacccgagta 229440
 gcggtttaca ggccgcacgc cagtcttagc taaaaacagc ggacagtccc acgctgtttc 229500
 tgttgtggct ctctccagtt tcctcatcgc cgtcccgatc tccgtcgtca tcggaagaat 229560
 accatccgct ctcatgcggc agtcgatcga cctcgacgaa cgagacgcgg cgacgcctct 229620
 ctacggccga ctggttgtgg tggtgaaaga agagcaccag caatcccagg aggagcaaca 229680
 agccctcaca tgtccaggag gtcggggaga gggcctgtcg gagatggccg tgaggcatca 229740
 cgtacggcag ctgaggagaa acggagaata aaggaaaatt accgtcaggg gccgggggtc 229800
 ttattagaga aacagcacgt aggtcaggat ccagatacta atggcgatca tgatgacgat 229860
 gatcatgcag gccaaagcgc ggcgcaccaa tgccgaatcc aagagccgcc gtgccgccgg 229920
 ttggtggctg gcggcatcta gagacatggt ttggggggac cggcggcgcg aaaagacagg 229980
 gagatggaca gtgtcacggt gttttgttat gattaggaca tggggaccgg aagccgagac 230040
 agagtactac agagtgttga agggtaacgt gagggagatc atgtcatggg cgggctgaag 230100
 accgtgcggg gaggatcgac gtgtgcggtg cttgtggaac acggtgtttt aatatgtatc 230160
 cgcgtgtaat gcacgcggtg tgcttttttag cattcggctt ggtaagctac gtggccttct 230220
 gcgccgaaac cacggtcgcc accaactgtc ttgtgaaaac agaaaatacc cacctgacat 230280

gtaagtgcag tccgaataac acatctaata ccggcaatgg cagcaagtgc cacgcggtgt 230340
 gcaaatgccg ggtcacagaa cccattacca tgctaggcgc atactcggcc tggggcgcg 230400
 gctcgttcgt ggccacgctg atagtcctgc tgggtggtctt cttcgtaatt tacgcgcgcg 230460
 aggaggagaa aaacaacacg ggcaccgagg tagatcaatg tctggcctat cggagcctga 230520
 cacgcaaaaa gttggaacaa cacgcggcta aaaagcagaa catctacgaa cggattccat 230580
 accgaccctc cagacagaaa gataactccc cgttgatcga accgacgggc acagacgacg 230640
 aagaggacga ggacgacgac gtctgacaaa gaaggcgaga acgtgttttg caccatgcag 230700
 acctacagca cccccctcac gcttgccata gtcacgtcgc tgtttttgtt cacaactcaa 230760
 ggaggttcat cgaacgccgt cgaaccaacc aaaaaacccc taaagctcgc caactaccgc 230820
 gccacctgcg aggaccgtac acgtactctg gttaccaggc ttaacactag ccatcacagc 230880
 gtagtctggc aacgttatga tatctacagc agatacatgc gtcgtatgcc gccactttgc 230940
 atcattacag acgcctataa agaaaccacg catcagggtg gcgcaacttt cacgtgcacg 231000
 cgccaaaatc tcacgctgta caatcttacg gttaaagata cgggagtcta cctcctgcag 231060
 gatcagtata ccggcgatgt cgaggctttc tacctcatca tccaccacg cagcttctgc 231120
 cgagctttgg aaacgcgtcg atgcttttat ccgggaccag ggagagttgt ggttacggat 231180
 tccaagagg cagaccgagc aattatctcg gatttaaaac gccagtggtc cggcctctca 231240
 cttcattgcg cctgggtttc gggactgatg atctttgttg gcgcactggg catctgcttt 231300
 ctgcggtcgc aacgaatcgg ggaacaggac gctgaacagc tgcgacgga cctggatacg 231360
 gaacctctat tgttgacggt ggacggggat ttggagtaaa agatgcgtac acaacatcga 231420
 cggcgaaaca agtcatcgta cacgcaaata acatgcatgt ttatcatttt ttggattctg 231480
 cagaaaagca agtgtaacaa caccactatc gctaatactt ccacgtcaat tacactcaca 231540
 agcttgatat ctactgcaca actaacatct actttacaaa ccaccggaat gtctaccact 231600
 acattcacat cctccgatgt caacgccaac acatccacag gattcactgc aagctctgca 231660
 aaaagcacag acgtgatctc aactatttcc accataccca ctcaaacatc tacaattaac 231720
 gcgactgtaa tgacaacctc accaaacgga ggcatgaatt tatcgacaca acatataatc 231780
 agcagtaccg cgacttcgca agcaactaca tcattaccaa tcaatactag tacaatggta 231840
 acaaatacaa ctcaaaacat cagtacacca ctcccaactt gtcatcatc taatagcaca 231900
 ttcaatgata catcaaacaa ccgtacttgt catgaaaaca gtacaatatc acaagaatct 231960
 gaaacattgt tgaaggcaat acaaggagac aatatcacta taatacaca cctaaccacc 232020
 acatcgtgct acaagacagc ttggcttaga cattttaata tatccacaca cagaaaatac 232080

```

acccatccca acataaagag tggaaaattt agtaaccatt cattaaagat cctccattcg 232140
cgtgtactgt gtgagtggca gacacattac ctaaaacatc actacgattt atgtttttaca 232200
tgcgatcaga atttatcttt gtctctgtac ggtcttaatt ttactcactc tggtaaatat 232260
agctttcgat gttacaaaag tggccatccc tctgaacaaa atcaaaaattt taatctacaa 232320
gtacatccta gaaacaacac gaacgagaca catgtgaacc cctggatatg cgaagaacca 232380
aagcacgaat gggatacttt ggctgctaca tctgataaac cgaccagtca taaagacgat 232440
acaaccacat catctacaga tcatctatac cgctataata atcattccaa cacatcacac 232500
ggcagacaca ctacgtggac tttagtgtta atttgtatag cctgcattct cctattttttc 232560
gtccgacgag ctctaaacaa aaaataccat ccattaaggg acgatatcag tgaatcagaa 232620
ttcatagttc gatacaatcc tgagcatgag gattaagcaa cgtttccgga taaacatctt 232680
atgagaccac accacaaagt aaatgactat gaaagatcaa caacatccga agaaacatca 232740
atgcccatta accgaaatcc aacaacgtta tggactggca gtttacgggt aagtggaggt 232800
tactgatcat cacgttatct gaaggttgta atgatacatg cccttggtcg tgcaactgcc 232860
tcacctccac cgctcaacc atcaaaaatt cgtctgattt tgtcactaac gctaccaaca 232920
tttcaactac tgcaaataaa accacgcaca aaccctctac cgctcgta gatacatcaa 232980
caattactcc aacgctgttg gaatcacctg caagcggtac gcgaatatta acaacgttct 233040
ctaccgttca tagtaccatt ccctgggtga ataccagcaa cgtaacttgc aacggtagtt 233100
tgtacaccat ctataaacia tctaatttaa attacgaggt aattaacgta acagcgtagt 233160
tcggtggata cgtcactctg caaaattgca ctagaacgga tacatggtat gatgtagaat 233220
ggataaaata tggaactcgt acacaccaac tgtgcagaat tggaagttat cattcaacgt 233280
ctccactaaa cggcatgtgt ctagactgta acagaacctc tctcaccatc tacaacgtaa 233340
ccgtcgaaca cgctggaaaa tacgttttac atcgctacat tgacggtaaa aaggaaaact 233400
actatctaac tgtattatgg ggaaccacaa catcgtctcc tatacctgac aaatgcaaaa 233460
caaaagagga gtcagatcag cacaggcgcg gagcgtggga cgacgtaata acaactgtaa 233520
aaaacactaa cattcccctg ggaattcatg ctgtatgggc ggggtgtagt gtatctgtgg 233580
cacttgtagc cttatacatg ggtagccgtc gcgcttccag gaaaccgcgt tataaaaaac 233640
ttcccaaata tgatccagat gagttttgga ctaaaacctg a 233681

```

```

<210> 21
<211> 4159
<212> DNA
<213> artificial

```


<220>

<223> synthetic

<400> 21

ctaaattgta agcgttaata ttttggtata attcgcgtta aatttttgtt aaatcagctc	60
attttttaac caataggccg aaatcggcaa aatcccttat aaatcaaaag aatagaccga	120
gatagggttg agtggtgttc cagtttgtaa caagagtcca ctattaaaga acgtggactc	180
caacgtcaaa gggcgaaaaa cgtctatca gggcgatggc ccactacgtg aaccatcacc	240
ctaatacagt tttttgggtt cgaggtgccg taaagcacta aatcgggaacc ctaaaggag	300
ccccgattt agagcttgac ggggaaagcc ggcgaacgtg gcgagaaagg aagggaagaa	360
agcgaaagga gcgggcgcta gggcgctggc aagtgtagcg gtcacgtgc gcgtaaccac	420
cacaccgcgc gcgcttaatg cgcgcgtaca gggcgcgctc cattcgccat tcaggctgcg	480
caactgttgg gaaggcgat cgggtgcggc ctcttcgcta ttacgccagc tggcgaaagg	540
gggatgtgct gcaaggcgat taagttgggt aacgccaggg ttttcccagt cacgacgttg	600
taaaacgacg gccagtgagc gcgcgtaata cgactcacta tagggcgaat tgggtaccgg	660
gccccccctc gaggtcgacg gtatcgataa gcttgatccc aagcttgata tcgaattcgg	720
atgggctccg gaatcggcgc agcaagcatg gaattttgtt ttgatgtatt caaggagctc	780
aaagtccacc atgccaatga gaacatcttc tactgcccc aatgccatcat gtcagctcta	840
gccatggtat acctgggtgc aaaagacagc accaggacac agataaataa ggttgttcgc	900
tttgataaac ttccaggatt cggagacagt attgaagctc agtgtggcac atctgtaaac	960
gttcactctt cacttagaga catcctcaac caaatcacca aaccaaataa tgtttattcg	1020
ttcagccttg ccagtagact ttatgctgaa gagagatacc caatcctgcc agaatacttg	1080
cagtgtgtga aggaactgta tagaggaggc ttggaacctt tcaactttca aacagctgca	1140
gatcaagcca gagagctcat caattcctgg gtagaaagtc agacaaatgg aattatcaga	1200
aatgtccttc agccaagctc cgtggattct caaactgcaa tggttctggg taatgccatt	1260
gtcttcaaag gactgtggga gaaaacattt aaggatgaag acacacaagc aatgcctttc	1320
agagtgactg agcaagaaag caaacctgtg cagatgatgt accagattgg tttatttaga	1380
gtggcatcaa tggcttctga gaaaatgaag atcctggagc ttccatttgc cagtgggaca	1440
atgagcatgt tgggtgctgtt gcctgatgaa gtctcaggcc ttgagcagct tgagagtata	1500
atcaactttg aaaaactgac tgaatggacc agttctaata ttatggaaga gaggaagatc	1560
aaagtgtact tacctcgcat gaagatggag gaaaaataca acctcacatc tgtcttaatg	1620
gctatgggca ttactgacgt gtttagctct tcagccaatc tgtctggcat ctctcagca	1680

gagagcctga	agatatctca	agctgtccat	gcagcacatg	cagaaatcaa	tgaagcaggc	1740
agagaggtgg	tagggtcagc	agaggctgga	gtggatgctg	caagcgtctc	tgaagaattt	1800
agggctgacc	atccattcct	cttctgtatc	aagcacatcg	caaccaacgc	cgttctcttc	1860
tttggcagat	gtgtttcccc	ttaagcggcc	gccgcacga	attcctgcag	cccgggggat	1920
ccactagttc	tagagcggcc	gccaccgcgg	tggagctcca	gcttttgttc	ccttttagtga	1980
gggttaattg	cgcgcttggc	gtaatcatgg	tcatagctgt	ttcctgtgtg	aaattgttat	2040
ccgctcacia	ttccacacia	catacgagcc	ggaagcataa	agtgtaaagc	ctgggggtgcc	2100
taatgagtga	gctaactcac	attaattgcg	ttgcgctcac	tgcccgcttt	ccagtcggga	2160
aacctgtcgt	gccagctgca	ttaatgaatc	ggccaacgcg	cggggagagg	cggtttgcgt	2220
attgggcgct	cttccgcttc	ctcgctcact	gactcgctgc	gctcggtcgt	tcggctgcgg	2280
cgagcggtat	cagctcactc	aaaggcggtg	atacggttat	ccacagaatc	aggggataac	2340
gcaggaaaga	acatgtgagc	aaaaggccag	caaaaggcca	ggaaccgtaa	aaaggccgcg	2400
ttgctggcgt	ttttccatag	gctccgcccc	cctgacgagc	atcacaaaaa	tcgacgctca	2460
agtcagaggt	ggcgaaaccc	gacaggacta	taaagatacc	aggcgtttcc	ccctggaagc	2520
tcctcgtgct	gctctcctgt	tccgaccctg	ccgcttaccg	gatacctgtc	cgcttttctc	2580
ccttcgggaa	gcgtggcgct	ttctcatagc	tcacgctgta	ggtatctcag	ttcggtgtag	2640
gtcgttcgct	ccaagctggg	ctgtgtgcac	gaaccccccg	ttcagcccga	ccgctgcgcc	2700
ttatccggta	actatcgtct	tgagtccaac	ccggtaagac	acgacttata	gccactggca	2760
gcagccactg	gtaacaggat	tagcagagcg	aggtatgtag	gcggtgctac	agagttcttg	2820
aagtgggtgg	ctaactacgg	ctacactaga	aggacagtat	ttggtatctg	cgctctgctg	2880
aagccagtta	ccttcggaaa	aagagttggt	agctcttgat	ccggcaaaca	aaccaccgct	2940
ggtagcgggtg	gtttttttgt	ttgcaagcag	cagattacgc	gcagaaaaaa	aggatctcaa	3000
gaagatcctt	tgatcttttc	tacgggggtct	gacgctcagt	ggaacgaaaa	ctcacgttaa	3060
gggatttttg	tcattgagatt	atcaaaaagg	atcttcacct	agatcctttt	aaattaaaaa	3120
tgaagtttta	aatcaatcta	aagtatatat	gagtaaactt	ggtctgacag	ttaccaatgc	3180
ttaatcagtg	aggcacctat	ctcagcgatc	tgtctatttc	gttcatccat	agttgcctga	3240
ctccccgtcg	tgtagataac	tacgatacgg	gagggcttac	catctggccc	cagtgcctga	3300
atgataccgc	gagaccacgc	ctcaccggct	ccagatttat	cagcaataaa	ccagccagcc	3360
ggaagggccg	agcgagaaag	tggtcctgca	actttatccg	cctccatcca	gtctattaat	3420
tgttgccggg	aagctagagt	aagtagttcg	ccagttaata	gtttgcgcaa	cgttgttgcc	3480


```

attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt cagctccggt 3540
tcccaacgat caaggcgagt tacatgatcc cccatgttgt gcaaaaaagc ggtagctcc 3600
ttcggtcctc cgatcgttgt cagaagtaag ttggccgcag tgttatcact catggttatg 3660
gcagcactgc ataattctct tactgtcatg ccatccgtaa gatgcttttc tgtgactggt 3720
gagtactcaa ccaagtcatt ctgagaatag tgtatgcggc gaccgagttg ctcttgcccg 3780
gcgtaatac gggataatac cgcgccacat agcagaactt taaaagtgct catcattgga 3840
aaacgttctt cggggcgaaa actctcaagg atcttaccgc tgttgagatc cagttcgatg 3900
taaccactc gtgcacccaa ctgatcttca gcatctttta ctttcaccag cgtttctggg 3960
tgagcaaaaa caggaaggca aaatgccgca aaaaaggga taaggcgac acggaaatgt 4020
tgaataactca tactcttcct ttttcaatat tattgaagca tttatcaggg ttattgtctc 4080
atgagcggat acatatttga atgtatttag aaaaataaac aaataggggt tccgcgcaca 4140
tttccccgaa aagtgccac 4159

```

```

<210> 22
<211> 6379
<212> DNA
<213> artificial

```

```

<220>
<223> synthetic

```

```

<400> 22
ctcagattta ccaactcccta tcagtgatag agaaaagtga aagtcgagtt taccactccc 60
tatcagtgat agagaaaagt gaaagtcgag ttaccactc cctatcagtg atagagaaaa 120
gtgaaagtcg agtttaccac tccctatcag tgatagagaa aagtgaagtc cgagtttacc 180
actccctatc agtgatagag aaaagtgaaa gtcgagttta ccaactcccta tcagtgatag 240
agaaaagtga aagtcgagtt taccactccc tatcagtgat agagaaaagt gaaagtcgag 300
ctcggtaacc gggtcgaggt aggcgtgtac ggtgggaggc ctatataagc agagctcggt 360
tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 420
accgggaccg atccagcctc cgcggccccc aattcgagct cgtaccggg ggatccacca 480
tgtacccta cgacgtgccc gactacgcca cgtccagact atccgtgaaa agtttgagaa 540
gcatcagtag gttcgtccag tgggagtggt gttggatgct cgtcaacaag agcgcgcgct 600
accgagagtt ccgcgccgtc accagccagt cgccggggct ggggaaggtc tcctccaccg 660
acgacgggag atgtctcgcc gcctccatga tgcttttcag acgtgacggt aattttgtcc 720
tctgtctggt cgtcaataag gagccggtgg gtcagttcgg ctgcagtggc atgcggcgcg 780

```

agaagatggg	catcgatgga	ctccaggagc	ccgtctacgt	gatgcgtctc	ctggccccc	840
tcatccccgt	caagctagga	ttctcgccct	acatgttgcc	gcctaagagc	atcggcggt	900
ccggcggtct	ggaccccagc	gtcatctacc	agaacgcgag	tgtggtcacg	cccgaagagg	960
ccgccaccgt	cactatgcag	ggttccggca	tcgtgaccgt	ggggctcagt	ggcggttggt	1020
cctgggtgca	gatcaaggat	ggtggaaca	tgaagctctt	cgtcttcgcc	ctctgcttcg	1080
acgtctttac	cgctgctgc	gatcggctcg	ccttcccgtc	cctggccaag	atctacagcg	1140
aaactgtgtc	ctgcgaggcc	gacaagtgcg	gattctgtcg	agattccggt	cggcacgtcg	1200
atcccaccgg	ccgcttcgtc	ggctgcgtcc	ccgacagtgg	cgtgtgtctc	tgttactcgc	1260
cgtgtcgcgg	gacggatgcc	gcggtcagcg	tcagaagctg	gttaccttac	ctggaactgg	1320
aagacggtgc	gaacacgcac	agcctcttcg	tgcggcgcta	cgacggcagg	aaaggactgc	1380
cggccacgat	atctgactac	ctcggcgcca	ggaacagcga	gggcgacgag	atcccgtga	1440
ggaccgagcc	ctggcagctc	ttgaagatag	aaccgacgct	gtccgccatg	atcatcatgg	1500
cctgtccctt	actcaaaaag	atcgttctcg	agcacatgtg	aagtcgactc	tagcgcgggc	1560
gcatcgataa	gcttgctgac	gatatctcta	gagctgagaa	cttcaggggtg	agtttgggga	1620
cccttgattg	ttctttcttt	ttcgctattg	taaaattcat	gttatatgga	gggggcaaag	1680
ttttcagggg	gttggttaga	atgggaagat	gtcccttgta	tcaccatgga	ccctcatgat	1740
aattttgttt	ctttcacttt	ctactctgtt	gacaaccatt	gtctcctctt	attttctttt	1800
cattttctgt	aacttttttc	gttaaacttt	agcttgcat	tgtaacgaat	ttttaaatc	1860
actttcgttt	atttgtcaga	ttgtaagtac	tttctcta	cacttttttt	tcaaggcaat	1920
cagggtaatt	atattgtact	tcagcacagt	tttagagaac	aattgttata	attaaatgat	1980
aaggtagaat	atttctgcat	ataaattctg	gctggcgtgg	aaatattctt	attggtagaa	2040
acaactacat	cctggtaatc	atcctgcctt	tctctttatg	gttacaatga	tatacactgt	2100
ttgagatgag	gataaaatac	tctgagtcca	aaccggggcc	ctctgcta	catgttcattg	2160
ccttcttctt	tttcctacag	ctcctgggca	acgtgctggg	tgttggtgtg	tctcatcatt	2220
ttggcaaaga	attcactcct	caggtgcagg	ctgcctatca	gaagggtggg	gctgggtgtg	2280
ccaatgccct	ggctcacaaa	taccactgag	atctttttcc	ctctgcaaaa	aattatgggg	2340
acatcatgaa	gccccttgag	catctgactt	ctgggtaata	aaggaaattt	attttcattg	2400
caatagtgtg	tgggaatttt	ttgtgtctct	cactcggaag	gacatatggg	agggcaaatc	2460
atttaaaaca	tcagaatgag	tatttggttt	agagtttggc	aacatatgcc	atatgctggc	2520
tgccatgaac	aaagggtggg	ataaagagg	catcagtata	tgaacagcc	ccctgctgtc	2580

cattccttat	tccatagaaa	agccttgact	tgaggttaga	ttttttttat	attttgtttt	2640
gtgttatttt	tttctttaac	atccctaata	ttttccttac	atgttttact	agccagattt	2700
ttcctcctct	cctgactact	cccagtcata	gctgtccctc	ttctcttatg	aactcgactg	2760
cattaatgaa	tcggccaacg	cgcggggaga	ggcggtttgc	gtattgggcg	ctcttccgct	2820
tcctcgctca	ctgactcgct	gcgctcggtc	gttcggctgc	ggcgagcggg	atcagctcac	2880
tcaaaggcgg	taatacgggt	atccacagaa	tcaggggata	acgcaggaaa	gaacatgtga	2940
gcaaaaggcc	agcaaaaggc	caggaaccgt	aaaaaggccg	cgttgctggc	gtttttccat	3000
aggctccgcc	cccctgacga	gcatcacaaa	aatcgacgct	caagtcagag	gtggcgaaac	3060
ccgacaggac	tataaagata	ccaggcggtt	ccccctggaa	gctccctcgt	gcgctctcct	3120
gttccgaccc	tgccgcttac	cggatacctg	tccgcctttc	tcccttcggg	aagcgtggcg	3180
ctttctcaat	gctcacgctg	taggtatctc	agttcggtgt	aggtcgttcg	ctccaagctg	3240
ggctgtgtgc	acgaaccccc	cgttcagccc	gaccgctgcg	ccttatccgg	taactatcgt	3300
cttgagtcca	acccggtaag	acacgactta	tcgccactgg	cagcagccac	tggtaacagg	3360
attagcagag	cgaggatatg	aggcgggtgt	acagagttct	tgaagtgggtg	gcctaactac	3420
ggctacacta	gaaggacagt	atgtggtatc	tgcgctctgc	tgaagccagt	taccttcgga	3480
aaaagagttg	gtagctcttg	atccggcaaa	caaaccaccg	ctggtagcgg	tggttttttt	3540
gtttgcaagc	agcagattac	gcgcagaaaa	aaaggatctc	aagaagatcc	tttgatcttt	3600
tctacggggg	ctgacgctca	gtggaacgaa	aactcacgtt	aagggatttt	ggtcatgaga	3660
ttatcaaaaa	ggatcttcac	ctagatcctt	ttaaattaaa	aatgaagttt	taaatcaatc	3720
taaagtatat	atgagtaaac	ttggtctgac	agttaccaat	gcttaatcag	tgaggcacct	3780
atctcagcga	tctgtctatt	tcgttcatcc	atagttgcct	gactccccgt	cgtgtagata	3840
actacgatac	gggagggcct	accatctggc	cccagtgtgt	caatgatacc	gcgagaccca	3900
cgctcaccgg	ctccagattt	atcagcaata	aaccagccag	ccggaagggc	cgagcgcaga	3960
agtggtcctg	caactttatc	cgcctccatc	cagtctatta	attggtgccc	ggaagctaga	4020
gtaagtagtt	cgccagttaa	tagtttgccg	aacgttggtg	ccattgctac	aggcatcgtg	4080
gtgtcacgct	cgtcgtttgg	tatggcttca	ttcagctccg	gttcccaacg	atcaaggcga	4140
gttacatgat	cccccatggt	gtgcaaaaaa	gcgggttagct	ccttcgggtcc	tccgatcggt	4200
gtcagaagta	agttggccgc	agtgttatca	ctcatgggtta	tggcagcact	gcataattct	4260
cttactgtca	tgccatccgt	aagatgcttt	tctgtgactg	gtgagtactc	aaccaagtca	4320
ttctgagaat	agtgtatgcg	gcgaccgagt	tgctcttgcc	cggcgtcaat	acgggataat	4380

accgcgccac atagcagaac tttaaaagtg ctcattcattg gaaaacgttc ttcggggcgca	4440
aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaaccacac tctgtgcaccc	4500
aactgatctt cagcatcttt tactttcacc agcgtttctg ggtgagcaaa aacaggaagg	4560
caaatgccc caaaaaaggg aataagggcg acacggaaat gttgaatact catactcttc	4620
ctttttcaat attattgaag catttatcag gggtattgtc tcatgagcgg atacatattt	4680
gaatgtattt agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcc	4740
cctgacgtct aagaaacatc tattatcatg acattaacct ataaaaatag gcgtatcacg	4800
aggccctttc gtctcgaggc agtgaaaaaa atgctttatt tgtgaaattt gtgatgctat	4860
tgctttattt gtaaccatta taagctgcaa taaacaagtt aacaacaaca attgcattca	4920
ttttatgttt caggttcagg gggaggtgtg ggaggttttt taaagcaagt aaaacctcta	4980
caaatgtggg atggctgatt atgatcctct agaactctat tcctttgcc tcggacgagt	5040
gctggggcgt cggtttccac tatcggcgag tacttctaca cagccatcgg tccagacggc	5100
cgcgcttctg cgggcgattt gtgtacgcc gacagtccc gctccggatc ggacgattgc	5160
gtcgcaccca ccctgcgcc aagctgcac atcgaaattg ccgtcaacca agctctgata	5220
gagttggtca agaccaatgc ggagcatata cggccggagc cggcgcgatc ctgcaagctc	5280
cggatgcctc cgctcgaagt agcgcgtctg ctgctccata caagccaacc acggcctcca	5340
gaagaagatg ttggcgacct cgtattggga atccccgaac atcgctcgc tccagtcaat	5400
gaccgctgtt atgcggccat tgtccgtcag gacattgttg gagccgaaat ccgctgtcac	5460
gaggtgccgg acttcggggc agtcctcggc ccaaagcatc agctcatcga gagcctgcgc	5520
gacggacgca ctgacggtgt cgtccatcac agtttgccag tgatacacat ggggatcagc	5580
aatcgcgcac atgaaatcac gccatgtagt gtattgaccg attccttgcg gtccgaatgg	5640
gccgaacccg ctcgtctggc taagatcggc cgcagcgatc gcatccatgg cctccgcgac	5700
cggctgcaga acagcgggca gttcggtttc aggaggtct tgcaacgtga caccctgtgc	5760
acggcgggag atgcaatagg tcaggctctc gctgaattcc ccaatgtcaa gcacttcgg	5820
aatcgggagc gcggccgatg caaagtgcc ataaacataa cgatctttgt agaaaccatc	5880
ggcgcagcta ttaccgcga ggacatatcc acgccctcct acatcgaagc tgaaagcacg	5940
agattcttcg ccctccgaga gctgcatcag gtcggagacg ctgtcgaact tttgatcag	6000
aaacttctcg acagacgtcg cggtgagttc aggccttttc atggaagctt ttgcaaaag	6060
cctaggcctc caaaaaagcc tcctcactac ttctggaata gtcagaggc cgaggcggcc	6120
tcggcctctg cataaataaa aaaaattagt cagccatggg gcggagaatg ggcggaactg	6180


```

ggcggagtta ggggcgggat gggcggagtt aggggcggga ctatggttgc tgactaattg 6240
agatgcatgc tttgcatact tctgcctgct ggggagcctg gggactttcc acacctgggt 6300
gctgactaat tgagatgcat gctttgcata cttctgcctg ctggggagcc tggggacttt 6360
ccacacccta actgacaca 6379

```

```

<210> 23
<211> 9400
<212> DNA
<213> artificial

```

```

<220>
<223> synthetic

```

```

<400> 23
ttcccgaaa atcactcaaa actacgtcca tgacacatca actcccgata actacctccc 60
tttgaaatcg gatcccccca cgtaccaatc aatcacacaa cacacagggt taaaaatcga 120
tcactcgtca attaggtttc aaaatcgata ccggtttatta tcagggaatct agactaattc 180
tacaatgaca gctctgaatt tctctctcgt cttccttgtc aggttctcat catcagttat 240
cacttccacc catcgaggag tcatcgtcgc tccaaaatcc tttggggtcg ctagttggaa 300
aagtctctga cacgatccag gcaccccgca ccagtcgga ctgatctagc ttgcggagca 360
tctcaacagg catgagctgc agggccatgg ctgtcacggc actgtatcga tgtaacacta 420
gggactttct ttgcgatgta gccatcaaca cggcgtatgc cccatagttc gcgtgatacg 480
acgcatgatg ggttaaactg tcccatccgg cagtgccgtc tcgggtccgt gcacacaaca 540
gctgcacggc attatgatgc ttaaaattaa ccataacgct ggggctactg atgaaggagt 600
agtaatgagc caggacgccg tacatcgaag gcagcaagaa agagtgacag cacaatagca 660
ccgggctctt atgtaggcga cagcttattt ttcctgacgt cggcaaaaag tacctaaatt 720
ccccacagat attcagacac ggttccgcaa agtgcttctt tttttagtgc aggaattgga 780
aaaaataata aaaaatatga acagctcatc tgtaattatc tgtgtgactt catcgtaccg 840
tgatgtaaaa acaacaacag gaagcttaca ggggtcggta gaaaattttg ccgattgagc 900
aacactgttg gcatctctca ctccgatagg cggctataag atagaaaatt aaaagtatga 960
taccacagag aaagatgaag agggacaacc aggctagagt atgacgacca cttttccctt 1020
gtttgacggg tacatgtgcg gtatgatttt gtcgttgctt gtgatgttgg acgcctggaa 1080
cggacaacga cgtataattc ttagatgcgc atacggtggt attagtggaa gtgcagttac 1140
gaattgtaac ctcagtgtca ctacactcag tgcaattggg acaattgtaa agccctgata 1200
catacgtacc gttagggcaa agtgtacatg ttgtactcgt atattgcgta cattgtcctg 1260

```

taacacgata	tccttgttta	catgggggac	aacactgact	tcctaattgc	acttcttcgg	1320
gtttgcatat	ttcagttttc	cctatgcatg	ccaatagcat	actcagcaaa	ataagcatca	1380
ccagaggctt	catgcctcct	accggaagaa	taaaaataac	tcatggggcc	gaacgggatc	1440
atcctctccg	cggtttgtaa	tacgagatcg	taaacgtaaa	taaatgacat	aacttcacta	1500
acccgcatac	tgcaaagtcc	acctacgacg	ctgaaagctt	ttccaggaca	caacaggata	1560
gtcagccatc	ttcacaggta	accagtttct	agtcacagta	tagcgagcct	aagagaccgc	1620
acacgggtccc	tgctggaaac	acataccact	acatcgattt	gtcgtgtcgt	acaaccgtca	1680
agttttccga	acttttatac	acgccaatgg	cgtaggact	atgtgtgctg	ctgtgattgg	1740
aggcttcgag	agttatgtga	cagctgtgat	tacacctgtc	gccaaggctg	acagcgatta	1800
cccaggtaga	gcacaatcac	atagctgatg	gacgttggtt	gatccgttga	ttcccatgga	1860
cattttaacg	gcgacagtac	agctcccgtt	aaacattaga	ttaatagacg	ctagtggatg	1920
acagcatggt	attcgcccaa	ttgtgatggt	ggttatactt	tcttgttttt	tgctcatatg	1980
ctgtaagggtg	ttcgaggatc	gtggggagta	tatgtgttaa	atcggaatca	tatttactga	2040
ccgcgccata	cttcgtatac	gaacctaacc	ggcgtaaagt	gttttccgat	atataaaactg	2100
gcgcctattg	tggtcttagc	gcccataggt	atggcatata	cccacgggtga	tgttgtgtta	2160
ttcgtttttt	gtgataaaac	gtagtttatg	tttaacgtgt	gttccgtcac	gttatgtgtg	2220
tcgttaaaaag	acggcgtctg	tacagtatgg	ctttgagttg	tatcttgaat	tgttattgca	2280
tttgagggtg	tgtacagagt	ggttgttgtg	tgctgagggtg	ttgttacgtt	ttgaggcaca	2340
gttggtggtg	atacggactt	caagggtgtg	ttacggagtc	tttctatgca	ggtagtgttg	2400
agatattttgt	gaatgctggt	tatgttcgat	tctgtgaggt	taaagtgtgt	actattttatg	2460
gcggtataat	ttagacggtc	ttgccatccc	gaggatgtta	gtgttaggta	attcgtgttg	2520
tttacgtttg	cttgatatgt	ataggtaggt	gtactgtttg	tgaggtcgca	agtgtgattt	2580
tcttgacagag	attttatcca	tcttggtgtga	aaatattgag	atacgcgatg	aatgttttcg	2640
ctatctatat	tgtaaagcgt	ttcgggtggt	cttaggggtt	gtttgctgta	actcttattt	2700
tggaaccagg	atgtgaacca	tgactccaat	gtttgtatag	taagggtgtcc	tattaataaaa	2760
gacgaactga	ttcctaccgt	aatgttatat	cgcacaccta	gggtgccgtt	tacaaacacg	2820
gaaatgtttc	cgttacaaac	cacgttggtg	gatgaattag	attccagggtg	gtaacgatag	2880
gataatgacc	gttcgctccc	aacggatgac	acaaagtatc	cgaataacca	acacgcccac	2940
tcaatccgca	tattttaatc	acactattca	catttcacac	actgcatttt	ttaacatggt	3000
atttttttat	tttatgcgtg	ttctcacctc	ttcatctttt	taacaccggg	gtaactatcg	3060

taagtcggta	ggcgctcgata	gccctcacca	cctcgctcgtc	cccttcccgg	cgtggggcac	3120
cagcgtccac	agcactgcag	gtaacacagg	tagcatagga	aacatacgg	gaaaatactc	3180
caaaatccca	aaaatgccgc	gattccccga	gtggcccagg	gagacatccc	ggtgtctatg	3240
tcggccggcg	gtgctggcgt	caccggtaaa	aatttcggcg	ggtgtggctg	cgaacggtag	3300
cagtcgccgg	ggagccggta	acgctgtatc	actgtccaac	agcggtcggg	ttcctcgtcc	3360
ggacatgcgg	gtttccagca	atcctcggcg	tcggcgccgg	cgatatagaa	gtagttgcgt	3420
tgaaaaccgc	ggtacatccc	gcagtcgtga	ttccgtagac	gccagggcgt	cggcgaccag	3480
atctggtctc	ccagcgagta	acgacctaac	gccggcgtgc	agcaaggttc	gtcggggccg	3540
ctgagcgtct	ccagttgcgt	gagaattacg	aagcgttgca	tgatgaggcc	gtggctgtag	3600
ttgcgcagca	cgcattcgta	catgccggcc	gtgtccgtcg	atacgttgaa	agtcagcgag	3660
aatatttggc	cgagatgcaa	ttgcgagaaa	ttccaagtgg	cgtacggcag	gcggtactgg	3720
agtccgttca	tcagccgatg	gcctttgacg	gcgtccagga	tgagctcgtc	gctgccgtcg	3780
tgggaacgac	agaaacgtgc	gcgaatggag	accatgggcc	aggagtgtgt	catgaccgtg	3840
caggggatgg	tataacttgc	tctccctcgg	cgaccaaac	cggcgccggc	gacgtggtct	3900
cataattctc	ggcccacatc	ttttcggcaa	tgtcagcgg	ggcgaagggg	aacgaagagg	3960
aagaatattc	gaggagtcgc	gggcagctca	acagcaccca	gaacagccac	ggcagagttc	4020
ggagcgactc	tcggcgccac	atgatgattc	tttctttccc	tttttcgcag	agacgctgcg	4080
cgctgctcc	tgctccgtgt	gtcggccgct	caaacgtcgg	gccggcgtgg	tggtgaccac	4140
cgtgcgacgc	agcttctcgc	ccgggatgcc	cgcgactgag	cgtccggttt	ttttgcaggt	4200
cttttttgct	gcctcctcct	cgccgtcgcc	gtcgcggccg	acgtggtgga	ccagcaccgc	4260
gcaggaactc	tcgcgtcgcc	ggcgggtacgc	gacctgtctc	attgctacct	cggatgttta	4320
agaaggaacg	ttcatctgcg	tcacagggtc	tgatgaagct	gccaagagtc	gtggctgtgg	4380
cgcagcgcg	tctgtacggc	gcgtttcacc	gctttctgca	tgcccgctac	cacgtcgggt	4440
gggagcggct	ccggcggaag	ctcgatgagc	agttgctgcg	agtctcggcg	ctcgggtgtcc	4500
gccgtttcgt	cggacgtggc	gtaaaaaacc	gaggtgggtg	cccagtcgtc	cacgtgtcgc	4560
acggcctctg	tcagtgccgg	gttgtcaaaa	ccgccatcgg	acgcgggtga	taaaagaacg	4620
tacgatgaca	cgctgttagt	acgactctcg	tcgtcgtctc	gggaacgacg	tgatggacga	4680
cggtagatga	cctcgtcttg	ccacgcgtcg	aagcggtcgc	agcagcgctg	gatccaagcg	4740
cagcgaagca	gcttacggaa	cacgtcgttg	ttccaaaagt	agagcataaa	gagaaagaaa	4800
agtagcgtaa	taatgaagcc	gaaaacgacg	agggtcggca	gggcactacc	gccgctgccg	4860

ttttttgtgt	cgtgcgggtg	cacggtggta	gtggcgtag	tctgagctgg	ggatcatgaca	4920
agtctgaaga	gatgagagcg	tgggtgctca	tcaggaacag	ttgaggtctc	tccctaccga	4980
agccttagcc	tccacggtgt	tttatgatca	acgtgtctac	gaacgtcatt	gtgaaagtga	5040
cgtctcaggc	tttccgaaac	cgcgtcagat	tcaacgtggg	tttcggttta	gcctgcgtca	5100
ccgaggcgga	ggtggaaatg	agccgtcctg	tgggggagtg	tacgaccctg	tagtgcccat	5160
gggtaacgtc	gcgtcggaag	aagtgaatgc	ggcattgggtg	tacgcgtggg	ttgttttgct	5220
ctctgactcg	gaggaattgc	cgcagcagct	gcagatttta	cgtactaacc	aaaagcagca	5280
aaagcagcag	gtaaataaga	gaaggagtcc	agataatgtc	cagccgctag	cggcaagcag	5340
cgcgagctgt	ggtactgtcc	agctactgcc	gttagaggca	ttaatacatg	tcgatacggg	5400
cgtgttggcg	gtagcactag	tagattgact	ggaattagag	ctggtacctg	tagtggtttc	5460
actcgccgat	gcggcgagtg	caaataaaat	taatatccac	agcatgttta	ttactatata	5520
attgatatac	gaaccctgtc	gtcgtaacaa	tcagcgttat	acacgctgta	tcggcatcgt	5580
tttaccggaa	agtttatcgt	aatgtaaccc	gcgttgtgta	cattcgtact	gacagggaac	5640
ccccggtgat	gtgcacatta	tactctttca	ttctgggggt	tccaatgac	gtaaaaattt	5700
ccactacaca	ataaaattac	tgactcatgt	gaaaagtgtg	ctttttatta	acagagcaga	5760
gggttttacag	tagatatatg	tttgccaggg	ccaccgtttt	ctaaccacca	tcaccgccac	5820
cattaccacc	cgttgaactc	cacaccggg	agccgcctga	tcgccaggga	ctcctcaccg	5880
tccatcgtcc	gaacaagctc	ccgccaccga	tgctgccacc	atcaccgaga	gaaagaaccg	5940
cttgctgcag	atacgcttgg	gctcgctcc	gtgcggacgc	cgtttcgtgc	agacgctgag	6000
tagatcgagc	agagaatgtc	aaaacgacat	taccgcgac	cgtccccctc	ttttttcttt	6060
ttctcattca	cgtgtattct	tgatgataat	gtaccatggc	tacggtgggtg	aactgcgtcg	6120
cggatcccgt	cacgggtttc	aacagatcga	cgtcggtcag	cggcgccgctc	accgccatgt	6180
ccggcggagg	cacgctgttt	ctctgggttag	cgacgtggac	cgacgacgaa	gacgatgaac	6240
ccgcgcggcg	gtctgttata	cgcgacgacg	cgtagctgca	ctgggaagac	acttcctccc	6300
aacggaccaa	gatctcatcg	ggccgttcgg	agaaacggta	tcgtctgtcc	gactcccgcc	6360
gtacggcgcc	gaggcccagc	gacgacaggt	ccgcgaaccg	gcgctcgat	tccccgtaca	6420
gctcgcaaca	gcggatcagc	cagcggtagc	tcaaaaacat	gcgcaccagt	ttgaaggtgt	6480
cgtgccaatg	gtaagctaga	tagcagagaa	tggccacgat	cagcacgagc	atcacgccga	6540
tgatgggtaa	cccgcggttc	agcggcagat	cgtccatggg	gaccgtcctc	tgtccggatc	6600
tacgtcccag	tctctctctt	ttgtacagca	ctcgcgcggg	aacggccccc	tcaaccctct	6660

tacgtagcgg	gagatacggc	gttctcccg	gggccactta	cttgacagg	cgcttgaac	6720
gcggcttgga	ccgccacatg	taccgcatcc	atccattctg	gcagcagcgc	gttcgacgac	6780
gtcgtacgag	tcgcggatga	tgttaccctc	ccagcacctc	cgccggcaac	cgcgctcg	6840
ttgctatcgt	cgccggttc	gggcgatgac	agcgccggcg	gcgcgggtct	cgtctcg	6900
accatttcca	ccgtgtcgaa	gcgacagccg	ctgccgtagt	acatggcccc	gttcaacggc	6960
cgccggggccg	ggtcgccgag	ttccgggtcg	ggcacatcca	tggctcgccg	tctgcttctc	7020
tgccgctcgt	ggtgccgacg	gcacttctca	ggataatgac	agccgcaaaa	tagatcgtgg	7080
agcatgtctc	gccaactgtc	ctggtggtaa	tatcttaagt	acgcgatgag	cgcccgatg	7140
gccataatca	taagcgtaag	caaaacggca	cagataacgt	gaaacaccgc	ggcatccaa	7200
gtcggggcggc	gtcggggacg	cggtgggtcg	gtttctctta	cgccggcg	actcagccac	7260
cacaccgta	gtcgacattc	ccagaaccgg	tgaatgcgac	tcagggcctt	tcgacgccgc	7320
catttatttc	caacgtccaa	gtcccacgtc	atctctggca	tctccacgcc	cttgactgac	7380
atactctctt	tctctctctt	agctgcggtg	aaaaagaggg	aaggcgtgtg	ctgctataca	7440
actgtacaac	ggacgcgctc	gctgtttcgg	tctcagggtca	tctgcattga	ctcggcgtcc	7500
ttcatgacgc	tctgcaccgc	cttttccaag	agttcctcga	tgtccgacca	tcgaggaggc	7560
ggggctaact	cggaaccga	cacgataggc	agcgtggtcg	gctccgtcgg	cgtgcgggg	7620
cggggacagg	gacacgagag	tcccaccttc	gagagattct	ccagcccgac	ggtgcgcggc	7680
agtctcggat	tccgcggtgg	cttttgtggc	gtcggcggtt	tcgggaaggg	cctgggcgtc	7740
accggcggtg	tccagccgac	cggttggtg	ttcgtgggcg	gcggtgtttt	cttggtgggc	7800
ggcgtgctca	ggttcttacg	cggcgcgggt	atcggcgctc	ggggcctgtg	cgacgacagc	7860
cgcggtggtg	gggcccgac	cggcggcgta	ggcgcccgct	tcttgcgcc	ggcggcgga	7920
ggtggcttcc	aggatggcgg	cggctgatgc	agtaccgtgt	cgacgctggc	cgaggacgac	7980
aaagagctcg	acgaggagca	atgcgacgga	gatcggccga	tgctggtcgg	cggtcccggc	8040
gtggatacgt	cggggatctc	gaatcgcgcc	ggaggaaact	cggttttatt	tatcggcaga	8100
ccatcctctc	ctatgtagag	cgacgtacac	cgcgccacct	gcggcgtcgg	cggtgggtg	8160
gccacccgca	tgagccccag	ttccagatcc	agcggtcga	cgacgtcttc	tttcggaatt	8220
cgatagcagc	acgcgcaggc	accacgctta	tcagaagcag	caccgggag	ccggcctcgc	8280
gacgaagtct	cgtcggatcg	cttgccgcct	cggcgctggg	taaataagga	aatggccagg	8340
accaggggaag	ccagtccggt	accgccgagg	agcccgacgc	cgagccacag	ccacaccatg	8400
atcttctctc	ctgcttgga	tctcaaactc	cgtgtcggga	agggccggtg	tacggacatt	8460

```

tatgccttgg atttctggaa acgtcatttt ttggcaagga atgtgtttat tgtccaaaca 8520
ctgaggaagg agatgtgagc caagtcggaa aattccttat cacaccgggg gcgggttacg 8580
ttccggtctg atgctgctgc tgttggtgta gagccgcggc catggccgcc tgcacggcag 8640
cttgtaccgc ctcggccacg ccgggtggca tctgcggcat ggcgggggga gacgcgtcgg 8700
gcggaccgcc gggcatcgcc gtcggctgcg acggtgggtg tgaactcacc gtcggctcgc 8760
acggaggttt gtccttcggt ttgctcttcg gtttatcttt cgccctacct ttcttcggtt 8820
tgggttccga tgcggtggtt ggcggctgcg gtgggatgac gggctggtgg gactcctccg 8880
acggcggggg gacgaatact gtcggcgccg aaaccggggg actctcgact atctcgcaga 8940
tcaccctgtc gggatcgtcg ccgtgtccgg gacgcgctcg atgaccatat tgaaccatgt 9000
cgtaaatacat cgtctccttg taacacgctg aacagcagcg gctacaagga cccgaaatgc 9060
atttgcagct gcacttacag ctgcagctgc agtagcgcac ccatcggcag gtgaagacgt 9120
cgattacgga gtccttgaag aattcccggg aacggatgag atacgcgcag aggaaaatca 9180
tgaaaacaga acagccgact acggctgcga tgccgggtcc cgaaaacgta ttcggtgatc 9240
ctaccaaaaca ccaaattccc agggccgcgc atgttatcca ggccacaata atcgtgggaa 9300
cgccccattg gcattgccac gaaggatcgt gcacgtcgca acccatcgct actgcgttct 9360
cccacaaacg ccatcgcaact atttatccct acagcggctg 9400

```

```

<210> 24
<211> 387
<212> PRT
<213> artificial

```

```

<220>
<223> synthetic

```

```

<400> 24

```

```

Met Gly Ser Gly Ile Gly Ala Ala Ser Met Glu Phe Cys Phe Asp Val
1           5           10           15

```

```

Phe Lys Glu Leu Lys Val His His Ala Asn Glu Asn Ile Phe Tyr Cys
          20           25           30

```

```

Pro Ile Ala Ile Met Ser Ala Leu Ala Met Val Tyr Leu Gly Ala Lys
          35           40           45

```

```

Asp Ser Thr Arg Thr Gln Ile Asn Lys Val Val Arg Phe Asp Lys Leu
          50           55           60

```

```

Pro Gly Phe Gly Asp Ser Ile Glu Ala Gln Cys Gly Thr Ser Val Asn

```


65					70						75				80
Val	His	Ser	Ser	Leu	Arg	Asp	Ile	Leu	Asn	Gln	Ile	Thr	Lys	Pro	Asn
				85					90					95	
Asp	Val	Tyr	Ser	Phe	Ser	Leu	Ala	Ser	Arg	Leu	Tyr	Ala	Glu	Glu	Arg
			100					105					110		
Tyr	Pro	Ile	Leu	Pro	Glu	Tyr	Leu	Gln	Cys	Val	Lys	Glu	Leu	Tyr	Arg
		115					120					125			
Gly	Gly	Leu	Glu	Pro	Ile	Asn	Phe	Gln	Thr	Ala	Ala	Asp	Gln	Ala	Arg
	130					135					140				
Glu	Leu	Ile	Asn	Ser	Trp	Val	Glu	Ser	Gln	Thr	Asn	Gly	Ile	Ile	Arg
145					150					155					160
Asn	Val	Leu	Gln	Pro	Ser	Ser	Val	Asp	Ser	Gln	Thr	Ala	Met	Val	Leu
				165					170					175	
Val	Asn	Ala	Ile	Val	Phe	Lys	Gly	Leu	Trp	Glu	Lys	Thr	Phe	Lys	Asp
			180					185					190		
Glu	Asp	Thr	Gln	Ala	Met	Pro	Phe	Arg	Val	Thr	Glu	Gln	Glu	Ser	Lys
		195					200					205			
Pro	Val	Gln	Met	Met	Tyr	Gln	Ile	Gly	Leu	Phe	Arg	Val	Ala	Ser	Met
	210					215					220				
Ala	Ser	Glu	Lys	Met	Lys	Ile	Leu	Glu	Leu	Pro	Phe	Ala	Ser	Gly	Thr
225					230					235					240
Met	Ser	Met	Leu	Val	Leu	Leu	Pro	Asp	Glu	Val	Ser	Gly	Leu	Glu	Gln
				245					250					255	
Leu	Glu	Ser	Ile	Ile	Asn	Phe	Glu	Lys	Leu	Thr	Glu	Trp	Thr	Ser	Ser
			260					265					270		
Asn	Val	Met	Glu	Glu	Arg	Lys	Ile	Lys	Val	Tyr	Leu	Pro	Arg	Met	Lys
		275					280					285			
Met	Glu	Glu	Lys	Tyr	Asn	Leu	Thr	Ser	Val	Leu	Met	Ala	Met	Gly	Ile
	290					295					300				
Thr	Asp	Val	Phe	Ser	Ser	Ser	Ala	Asn	Leu	Ser	Gly	Ile	Ser	Ser	Ala

305					310					315					320
Glu	Ser	Leu	Lys	Ile	Ser	Gln	Ala	Val	His	Ala	Ala	His	Ala	Glu	Ile
				325					330					335	
Asn	Glu	Ala	Gly	Arg	Glu	Val	Val	Gly	Ser	Ala	Glu	Ala	Gly	Val	Asp
			340					345					350		
Ala	Ala	Ser	Val	Ser	Glu	Glu	Phe	Arg	Ala	Asp	His	Pro	Phe	Leu	Phe
		355					360					365			
Cys	Ile	Lys	His	Ile	Ala	Thr	Asn	Ala	Val	Leu	Phe	Phe	Gly	Arg	Cys
	370					375					380				

Val Ser Pro
385

```
<210> 25
<211> 498
<212> PRT
<213> artificial
```

<220>
<223> synthetic

<400> 25

Met Ser Gly Gln Gly Thr Lys Arg Ser Tyr Glu Gln Met Glu Thr Asp
1 5 10 15

Gly Glu Arg Gln Asn Ala Thr Glu Ile Arg Ala Ser Val Gly Lys Met
20 25 30

Ile Gly Gly Ile Gly Arg Phe Tyr Ile Gln Met Cys Thr Glu Leu Lys
35 40 45

Leu Ser Asp Tyr Glu Gly Arg Leu Ile Gln Asn Ser Leu Thr Ile Glu
50 55 60

Arg Met Val Leu Ser Ala Phe Asp Glu Arg Arg Asn Lys Tyr Leu Glu
65 70 75 80

Glu His Pro Ser Ala Gly Lys Asp Pro Lys Lys Thr Gly Gly Pro Ile
85 90 95

Tyr Arg Arg Val Asn Gly Lys Trp Met Arg Glu Leu Ile Leu Tyr Asp
100 105 110

Lys Glu Glu Ile Arg Arg Ile Trp Arg Gln Thr Asn Asn Gly Asp Asp
 115 120 125

Ala Thr Ala Gly Leu Thr His Met Met Ile Trp His Ser Asn Leu Asn
 130 135 140

Asp Ala Thr Tyr Gln Arg Thr Arg Ala Leu Val Arg Thr Gly Met Asp
 145 150 155 160

Pro Arg Met Cys Ser Leu Met Gln Gly Ser Thr Leu Pro Arg Arg Ser
 165 170 175

Gly Ala Ala Gly Ala Ala Val Lys Gly Val Gly Thr Met Val Met Glu
 180 185 190

Leu Val Arg Met Ile Lys Arg Gly Ile Asn Asp Arg Asn Phe Trp Arg
 195 200 205

Gly Glu Asn Gly Arg Lys Thr Arg Ile Ala Tyr Glu Arg Met Cys Asn
 210 215 220

Ile Leu Lys Gly Lys Phe Gln Thr Ala Ala Gln Lys Ala Met Met Asp
 225 230 235 240

Gln Val Arg Glu Ser Arg Asn Pro Gly Asn Ala Glu Phe Glu Asp Leu
 245 250 255

Thr Phe Leu Ala Arg Ser Ala Leu Ile Leu Arg Gly Ser Val Ala His
 260 265 270

Lys Ser Cys Leu Pro Ala Cys Val Tyr Gly Pro Ala Val Ala Ser Gly
 275 280 285

Tyr Asp Phe Glu Arg Glu Gly Tyr Ser Leu Val Gly Ile Asp Pro Phe
 290 295 300

Arg Leu Leu Gln Asn Ser Gln Val Tyr Ser Leu Ile Arg Pro Asn Glu
 305 310 315 320

Asn Pro Ala His Lys Ser Gln Leu Val Trp Met Ala Cys His Ser Ala
 325 330 335

Ala Phe Glu Asp Leu Arg Val Leu Ser Phe Ile Lys Gly Thr Lys Val
 340 345 350

Leu Pro Arg Gly Lys Leu Ser Thr Arg Gly Val Gln Ile Ala Ser Asn
 355 360 365

Glu Asn Met Asp Ala Met Glu Ser Ser Thr Leu Glu Leu Arg Ser Arg
 370 375 380

Tyr Trp Ala Ile Arg Thr Arg Ser Gly Gly Asn Thr Asn Gln Gln Arg
 385 390 395 400

Ala Ser Ala Gly Gln Ile Ser Ile Gln Pro Thr Phe Ser Val Gln Arg
 405 410 415

Asn Leu Pro Phe Asp Arg Thr Thr Ile Met Ala Ala Phe Asn Gly Asn
 420 425 430

Thr Glu Gly Arg Thr Ser Asp Met Arg Thr Glu Ile Ile Arg Met Met
 435 440 445

Glu Ser Ala Arg Pro Glu Asp Val Ser Phe Gln Gly Arg Gly Val Phe
 450 455 460

Glu Leu Ser Asp Glu Lys Ala Ala Ser Pro Ile Val Pro Ser Phe Asp
 465 470 475 480

Met Ser Asn Glu Gly Ser Tyr Phe Phe Gly Asp Asn Ala Glu Glu Tyr
 485 490 495

Asp Asn

<210> 26
 <211> 99
 <212> PRT
 <213> artificial

<220>
 <223> synthetic

<400> 26

Met Arg Ala Thr Val Gly Leu Val Glu Ala Ile Gly Ile Arg Glu Leu
 1 5 10 15

Arg Gln His Ala Ser Arg Tyr Leu Ala Arg Val Glu Ala Gly Glu Glu
 20 25 30

Leu Gly Val Thr Asn Lys Gly Arg Leu Val Ala Arg Leu Ile Pro Val

35

40

45

Gln Ala Ala Glu Arg Ser Arg Glu Ala Leu Ile Glu Ser Gly Val Leu
 50 55 60

Ile Pro Ala Arg Arg Pro Gln Asn Leu Leu Asp Val Thr Ala Glu Pro
 65 70 75 80

Ala Arg Gly Arg Lys Arg Thr Leu Ser Asp Val Leu Asn Glu Met Arg
 85 90 95

Asp Glu Gln

<210> 27
 <211> 345
 <212> PRT
 <213> artificial

<220>
 <223> synthetic

<400> 27

Met Ala Trp Arg Ser Gly Leu Cys Glu Thr Asp Ser Arg Thr Leu Lys
 1 5 10 15

Gln Phe Leu Gln Glu Glu Cys Met Trp Lys Leu Val Gly Lys Ser Arg
 20 25 30

Lys His Arg Glu Tyr Arg Ala Val Ala Cys Arg Ser Thr Ile Phe Ser
 35 40 45

Pro Glu Asp Asp Gly Ser Cys Ile Leu Cys Gln Leu Leu Leu Leu Tyr
 50 55 60

Arg Asp Gly Glu Trp Ile Leu Cys Leu Cys Cys Asn Gly Arg Tyr Gln
 65 70 75 80

Gly His Tyr Gly Val Gly His Val His Arg Arg Arg Arg Arg Ile Cys
 85 90 95

His Leu Pro Thr Leu Tyr Gln Leu Ser Phe Gly Gly Pro Leu Gly Pro
 100 105 110

Ala Ser Ile Asp Phe Leu Pro Ser Phe Ser Gln Val Thr Ser Ser Met
 115 120 125

Thr Cys Asp Gly Ile Thr Pro Asp Val Ile Tyr Glu Val Cys Met Leu
 130 135 140

Val Pro Gln Asp Glu Ala Lys Arg Ile Leu Val Lys Gly His Gly Ala
 145 150 155 160

Met Asp Leu Thr Cys Gln Lys Ala Val Thr Leu Gly Gly Ala Gly Ala
 165 170 175

Trp Leu Leu Pro Arg Pro Glu Gly Tyr Thr Leu Phe Phe Tyr Ile Leu
 180 185 190

Cys Tyr Asp Leu Phe Thr Ser Cys Gly Asn Arg Cys Asp Ile Pro Ser
 195 200 205

Met Thr Arg Leu Met Ala Ala Ala Thr Ala Cys Gly Gln Ala Gly Cys
 210 215 220

Ser Phe Cys Thr Asp His Glu Gly His Val Asp Pro Thr Gly Asn Tyr
 225 230 235 240

Val Gly Cys Thr Pro Asp Met Gly Arg Cys Leu Cys Tyr Val Pro Cys
 245 250 255

Gly Pro Met Thr Gln Ser Leu Ile His Asn Asp Glu Pro Ala Thr Phe
 260 265 270

Phe Cys Glu Ser Asp Asp Ala Lys Tyr Leu Cys Ala Val Gly Ser Lys
 275 280 285

Thr Ala Ala Gln Val Thr Leu Gly Asp Gly Leu Asp Tyr His Ile Gly
 290 295 300

Val Lys Asp Ser Glu Gly Arg Trp Leu Pro Val Lys Thr Asp Val Trp
 305 310 315 320

Asp Leu Val Lys Val Glu Glu Pro Val Ser Arg Met Ile Val Cys Ser
 325 330 335

Cys Pro Val Leu Lys Asn Leu Val His
 340 345

<210> 28
 <211> 12
 <212> PRT

<213> artificial

<220>

<223> synthetic

<400> 28

Val Thr Leu Gly Gly Ala Gly Ala Trp Leu Leu Pro
1 5 10

<210> 29

<211> 190

<212> PRT

<213> artificial

<220>

<223> synthetic

<400> 29

Met Gly Gly Glu Leu Cys Lys Arg Ile Cys Cys Glu Phe Gly Thr Thr
1 5 10 15

Ser Gly Glu Pro Leu Lys Asp Ala Leu Gly Arg Gln Val Ser Leu Arg
20 25 30

Ser Tyr Asp Asn Ile Pro Pro Thr Ser Ser Ser Asp Glu Gly Glu Asp
35 40 45

Asp Asp Asp Gly Glu Asp Asp Asp Asn Glu Glu Arg Gln Gln Lys Leu
50 55 60

Arg Leu Cys Gly Ser Gly Cys Gly Gly Asn Asp Ser Ser Ser Gly Ser
65 70 75 80

His Arg Glu Ala Thr His Asp Gly Pro Lys Lys Asn Ala Val Arg Ser
85 90 95

Thr Phe Arg Glu Asp Lys Ala Pro Lys Pro Ser Lys Gln Ser Lys Lys
100 105 110

Lys Lys Lys Pro Ser Lys His His His His Gln Gln Ser Ser Ile Met
115 120 125

Gln Glu Thr Asp Asp Leu Asp Glu Glu Asp Thr Ser Ile Tyr Leu Ser
130 135 140

Pro Pro Pro Val Pro Pro Val Gln Val Val Ala Lys Arg Leu Pro Arg
145 150 155 160

Pro Asp Thr Pro Arg Thr Pro Arg Gln Lys Lys Ile Ser Gln Arg Pro
 165 170 175

Pro Thr Pro Gly Thr Lys Lys Pro Ala Ala Pro Leu Ser Phe
 180 185 190

<210> 30
 <211> 345
 <212> PRT
 <213> artificial

<220>
 <223> syntehtic

<400> 30

Met Ala Thr Ser Arg Leu Ser Val Lys Ser Leu Arg Ser Ile Ser Arg
 1 5 10 15

Phe Val Gln Trp Glu Cys Cys Trp Met Leu Val Asn Lys Ser Ala Arg
 20 25 30

Tyr Arg Glu Phe Arg Ala Val Thr Ser Gln Ser Pro Gly Leu Gly Lys
 35 40 45

Val Ser Ser Thr Asp Asp Gly Arg Cys Leu Ala Ala Ser Met Met Leu
 50 55 60

Phe Arg Arg Asp Gly Asn Phe Val Leu Cys Leu Val Val Asn Lys Glu
 65 70 75 80

Pro Val Gly Gln Phe Gly Cys Ser Gly Met Arg Arg Glu Lys Met Val
 85 90 95

Ile Asp Gly Leu Gln Glu Pro Val Tyr Val Met Arg Leu Leu Ala Pro
 100 105 110

Leu Ile Pro Val Lys Leu Gly Phe Ser Pro Tyr Met Leu Pro Pro Lys
 115 120 125

Ser Ile Gly Gly Ser Gly Gly Leu Asp Pro Ser Val Ile Tyr Gln Asn
 130 135 140

Ala Ser Val Val Thr Pro Glu Glu Ala Ala Thr Val Thr Met Gln Gly
 145 150 155 160

Ser Gly Ile Val Thr Val Gly Leu Ser Gly Val Gly Ser Trp Val Gln

165

170

175

Ile Lys Asp Gly Gly Asn Met Lys Leu Phe Val Phe Ala Leu Cys Phe
 180 185 190

Asp Val Phe Thr Ala Cys Cys Asp Arg Leu Ala Phe Pro Ser Leu Ala
 195 200 205

Lys Ile Tyr Ser Glu Thr Val Ser Cys Glu Ala Asp Lys Cys Gly Phe
 210 215 220

Cys Arg Asp Ser Gly Arg His Val Asp Pro Thr Gly Arg Phe Val Gly
 225 230 235 240

Cys Val Pro Asp Ser Gly Val Cys Leu Cys Tyr Ser Pro Cys Arg Gly
 245 250 255

Thr Asp Ala Ala Val Ser Val Arg Ser Trp Leu Pro Tyr Leu Glu Leu
 260 265 270

Glu Asp Gly Ala Asn Thr His Ser Leu Phe Val Arg Arg Tyr Asp Gly
 275 280 285

Arg Lys Gly Leu Pro Ala Thr Ile Ser Asp Tyr Leu Gly Ala Arg Asn
 290 295 300

Ser Glu Gly Asp Glu Ile Pro Leu Arg Thr Glu Pro Trp Gln Leu Leu
 305 310 315 320

Lys Ile Glu Pro Thr Leu Ser Ala Met Ile Ile Met Ala Cys Pro Leu
 325 330 335

Leu Lys Lys Ile Val Leu Glu His Met
 340 345

<210> 31
 <211> 353
 <212> PRT
 <213> artificial

<220>
 <223> synthetic

<400> 31

Met Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Thr Ser Arg Leu Ser Val
 1 5 10 15

Lys Ser Leu Arg Ser Ile Ser Arg Phe Val Gln Trp Glu Cys Cys Trp
 20 25 30

Met Leu Val Asn Lys Ser Ala Arg Tyr Arg Glu Phe Arg Ala Val Thr
 35 40 45

Ser Gln Ser Pro Gly Leu Gly Lys Val Ser Ser Thr Asp Asp Gly Arg
 50 55 60

Cys Leu Ala Ala Ser Met Met Leu Phe Arg Arg Asp Gly Asn Phe Val
 65 70 75 80

Leu Cys Leu Val Val Asn Lys Glu Pro Val Gly Gln Phe Gly Cys Ser
 85 90 95

Gly Met Arg Arg Glu Lys Met Val Ile Asp Gly Leu Gln Glu Pro Val
 100 105 110

Tyr Val Met Arg Leu Leu Ala Pro Leu Ile Pro Val Lys Leu Gly Phe
 115 120 125

Ser Pro Tyr Met Leu Pro Pro Lys Ser Ile Gly Gly Ser Gly Gly Leu
 130 135 140

Asp Pro Ser Val Ile Tyr Gln Asn Ala Ser Val Val Thr Pro Glu Glu
 145 150 155 160

Ala Ala Thr Val Thr Met Gln Gly Ser Gly Ile Val Thr Val Gly Leu
 165 170 175

Ser Gly Val Gly Ser Trp Val Gln Ile Lys Asp Gly Gly Asn Met Lys
 180 185 190

Leu Phe Val Phe Ala Leu Cys Phe Asp Val Phe Thr Ala Cys Cys Asp
 195 200 205

Arg Leu Ala Phe Pro Ser Leu Ala Lys Ile Tyr Ser Glu Thr Val Ser
 210 215 220

Cys Glu Ala Asp Lys Cys Gly Phe Cys Arg Asp Ser Gly Arg His Val
 225 230 235 240

Asp Pro Thr Gly Arg Phe Val Gly Cys Val Pro Asp Ser Gly Val Cys
 245 250 255

Leu Cys Tyr Ser Pro Cys Arg Gly Thr Asp Ala Ala Val Ser Val Arg
 260 265 270

Ser Trp Leu Pro Tyr Leu Glu Leu Glu Asp Gly Ala Asn Thr His Ser
 275 280 285

Leu Phe Val Arg Arg Tyr Asp Gly Arg Lys Gly Leu Pro Ala Thr Ile
 290 295 300

Ser Asp Tyr Leu Gly Ala Arg Asn Ser Glu Gly Asp Glu Ile Pro Leu
 305 310 315 320

Arg Thr Glu Pro Trp Gln Leu Leu Lys Ile Glu Pro Thr Leu Ser Ala
 325 330 335

Met Ile Ile Met Ala Cys Pro Leu Leu Lys Lys Ile Val Leu Glu His
 340 345 350

Met

<210> 32
 <211> 179
 <212> DNA
 <213> artificial

<220>
 <223> synthetic

<400> 32
 gaccgcgcca cagcagagcc agcaccagca gaagagccag caccagcggg cccagagtcg 60
 caaagcgcgc gggcagccac ggcccagact gcggtcgcga tggcccggag cgcgctcgcc 120
 accacgatga cggtgcccac cgataaccag tccgctcccg caccgacgcc accgccgat 179

<210> 33
 <211> 38
 <212> DNA
 <213> artificial

<220>
 <223> synthetic

<400> 33
 atgtctagcg ttttctcaac agcattcgtg cgccttga 38

<210> 34
 <211> 252
 <212> DNA

<213> artificial

<220>

<223> synthetic

<400> 34

cacggcctgg cccagcgagc cctgcgggac cggttccaaa acttcgaggc cgtgctggcc	60
cggggcatgc acgtggaggc cggccggcag gagcccgaga cccccgggt gagcggccgg	120
cggctgccct tcgacgacct gtgatccgga ggacgacggc tcgtgtatct tgtgccaatt	180
gctgttgctc taccgcgacg gcgaatggat cctctgtctt tgctgcaacg gccgttatca	240
aggccactat gg	252

<210> 35

<211> 67

<212> DNA

<213> artificial

<220>

<223> synthetic

<400> 35

ctgggtcgcc aacagcgcca acgagtacgt cgtcagctcc gtgccccgcc ccgtcagtcc	60
gtagaag	67