

SEQUENCE LISTING

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

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

<130> T 10013 PCT

<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
 gccaccgc 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 ctgccgggag gctttgccgt ctcttcgcgc gtcactcttc acggcctggc 60
ccagcgagcc ctgcgggacc ggttcacaaa cttcgaggcc gtgctggccc ggggcatgca 120
cgtggaggcc ggccggcagg agcccagagc 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 ggcaaaactg 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 gcgcagttcc ggttctgacc gcacgtgatg 300
ttgccggtgc cggtgaattt tggaccgatc gtctgggttt tagccgtgat tttgtggaag 360
atgattttgc cggtgttggt cgtgatgatg ttaccctgtt tattagcgca gttcaggatc 420
aggttggtcc 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 cggtaaattg cccgcctggc attatgccca gtacatgacc ttatgggact	300
ttcctacttg gcagtacatc tacgtattag tcatcgctat taccatgggtg atgcggtttt	360
ggcagtacat caatgggctg 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 aactaggga cccactgctt aagcctcaat aaagcttgcc ttgagtgtt	660
caagtagtgt gtgccgtct gttgtgtgac tctggtaact agagatccct cagacccttt	720
tagtcagtgt ggaaaatctc tagcagtggc gcccgacag 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 taaaaaatt 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 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
gcacccgtac	ctttgggagc	gcgcgccttc	gtcgtgtcgt	gacgtcaccc	gttctgttgg	2040
cttataatgc	aggggtgggg	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	cttgtaacaa	2760
ctgagcttcg	gaggtccttt	gggtccagcc	agcattgatt	tcttgccaag	ctttagccag	2820
gtgaccagca	gtatgacgtg	cgatgggtatt	acgcccagcg	tgattttacga	ggtctgcatg	2880
ttggtgcccc	aggatgaagc	caagcgcata	ctggtcaagg	gtcacgggtgc	catggacctg	2940
acctgtcaga	aggcagtgac	gctaggcggc	gccggcgcct	ggttgctgcc	gcgtcccgaa	3000
ggctacacgc	ttttctttta	cattctgtgc	tacgacctgt	ttacctcatg	cggcaatcgg	3060
tgcgatatcc	cttccatgac	gcggctcatg	gcggcgccca	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	ccgatgggtg	cccgtaaga	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	ccgccctct	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	cgacagggtc	ctctgcggcc	aaaagccacg	tgtataagat	acacctgcaa	3960
aggcggcaca	acccagtgct	cacgttgtga	gttggtatag	tgtggaaaga	gtcaaattggc	4020
tctcctcaag	cgtattcaac	aaggggctga	aggatgccca	gaaggtagcc	cattgtatgg	4080
gatctgatct	ggggcctcgg	tgcacatgct	ttacatgtgt	ttagtcgagg	ttaaaaaacg	4140
tctaggcccc	ccgaaccacg	gggacgtgg	tttcttttga	aaaacacgat	gataatatgg	4200
ccacaacat	gaccgagtac	aagcccacgg	tgcgcctcgc	cacccgcgac	gacgtcccc	4260
gggccgtacg	ggatcccgc	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	cgcgtgatga	acttcgagga	cggcggcggtg	gtgaccgtga	4620
cccaggactc	ctccctgcag	gacggcgagt	tcatctacaa	ggtgaagctg	cgcggcacca	4680
acttcccctc	cgacggcccc	gtaatgcaga	agaagaccat	gggctgggag	gcctcctccg	4740
agcggatgta	ccccgaggac	ggcgccctga	aggcgagat	caagcagagg	ctgaagctga	4800
aggacggcgg	ccactacgac	gctgagggtca	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	ggcgggtgttc	gccgagatcg	5160
gctcgcgc	ggccgagttg	agcggttccc	ggctggccgc	gcagcaacag	atggaaggcc	5220

tcctggcgcc	gcaccggccc	aaggagcccc	cgtggttcct	ggccaccgtc	ggcgtctcgc	5280
ccgaccacca	gggcaagggg	ctgggcagcg	ccgtcgtgct	ccccggagt	gaggcgggcg	5340
agcgcgctgg	ggtgcccgcc	ttcctggaga	cctccgcgcc	ccgcaacctc	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	ccttgtataa	atcctggttg	ctgtctcttt	atgaggagtt	5700
gtggcccgtt	gtcaggcaac	gtggcgtggg	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
cgccccctaac	tccgcccatc	ccgcccctaa	ctccgccag	ttccgcccat	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	ttgttgtaa	cttgtttatt	gcagcttata	atggttacaa	6900
ataaagcaat	agcatcacia	atttcacaaa	taaagcattt	ttttactgc	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	cgtttccccc	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	caccgctggg	7740
agcggtggtt	tttttgtttg	caagcagcag	attacgcgca	gaaaaaaagg	atctcaagaa	7800
gatcctttga	tcttttctac	ggggtctgac	gctcagtggg	acgaaaactc	acgttaaggg	7860
attttggtca	tgagattatc	aaaaaggatc	ttcacctaga	tccttttaaa	ttaaaaatga	7920
agttttaaat	caatctaaag	tatatatgag	taaacttggg	ctgacagtta	ccaatgctta	7980
atcagtgagg	cacctatctc	agcgatctgt	ctatttcggt	catccatagt	tgctgactc	8040
ctgcgcagtc	caaaaaaaaa	ggctccaaaa	ggagccttta	attgtatcgg	tgggcccctta	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	tcataaaaa	cactcgcac	aaccaaaccg	ttattcattc	gtgattgcgc	8460
ctgagcgaga	cgaaatacgc	gatcgtctgt	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	tcattctgtg	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 ataatgacgt 120
atgttcccat	agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac 180
ggtaaaactgc	ccacttggca gtacatcaag tgtatcatat gccaaagtacg cccctatttg 240
acgtcaatga	cggtaaatgg cccgcctggc attatgccca gtacatgacc ttatgggact 300
ttcctacttg	gcagtacatc tacgtattag tcatcgctat taccatgggt atgcgggtttt 360
ggcagtacat	caatgggcgt 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 gcgaaaggga 780
aaccagagga	gctctctcga cgcaggactc ggcttgctga agcgcgcacg gcaagaggcg 840
aggggcggcg	actgcagagt acgcaaaaaa ttttgactag cggaggctag aaggagagag 900
atgggtgcga	gagcgtcagt attaagcggg ggaaaatagc ggccgccaca attttaaaag 960
aaaagggggg	attggggggg acagtgcagg ggaaagaata gtagacataa tagcaacaga 1020
catacaaact	aaagaattac aaaaacaaat taaaaaatt caaattttcg ggggatccca 1080
tggtggccct	cctatagtga gtcgtattat actatgccga tatactatgc cgatgattaa 1140
ttgtcaacac	gtgctgcagg tccgaggttc tagcgcgtgg cctccgcgcc gggttttggc 1200
gcctcccgcg	ggcgcccccc tcctcacggc gagcgtgcc acgtcagacg aagggcgcag 1260

cgagcgtcct	gacccctccg	cccggacgct	caggacagcg	gcccgtgct	cataagactc	1320
ggccttagaa	ccccagtatc	agcagaagga	catttttagga	cgggacttgg	gtgactctag	1380
ggcactgggt	ttctttccag	agagcggaac	aggcgaggaa	aagtagtccc	ttctcggcga	1440
ttctgcggag	ggatctccgt	ggggcggtga	acgccgatga	ttatataagg	acgcgccggg	1500
tgtggcacag	ctagtccgt	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
gcacccgtac	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	agggagaccc	aagcttggt	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 cgggggtgtg	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 ccgccatgcc 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 ccgccgggat 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
gtctcgcccg accaccaggg caagggtctg ggcagcgccg tcgtgctccc cggagtggag	4740
gcggccgagc gcgctggggg gccgccttc ctggagacct ccgcgccccg caacctcccc	4800
ttctacgagc ggctcggctt caccgtcacc gccgacgtcg aggtgcccga aggaccgcgc	4860

acctggtgca	tgacccgcaa	gcccggtgcc	tgagttcgcg	tctggaacaa	tcaacctctg	4920
gactcgacaa	tcaacctctg	gattacaaaa	tttgtgaaag	attgactggt	attcttaact	4980
atgttgctcc	ttttacgcta	tgtggatacg	ctgctttaat	gcctttgtat	catgctattg	5040
cttcccgtat	ggctttcatt	ttctcctcct	tgtataaatc	ctggttgctg	tctctttatg	5100
aggagtgtg	gcccgttgtc	aggcaacgtg	gcgtggtgtg	cactgtgttt	gctgacgcaa	5160
ccccactgg	ttggggcatt	gccaccacct	gtcagctcct	ttccgggact	ttcgctttcc	5220
ccctccctat	tgccacggcg	gaactcatcg	ccgcctgcct	tgcccgtgc	tggacagggg	5280
ctcggctgtt	gggcactgac	aattccgtgg	tgttgctggg	gaaatcatcg	tcctttcctt	5340
ggctgctcg	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
tatttgtaga	atttgtagtg	ctattgcttt	atttgtaaac	cgggtgcagct	gctttttgcc	5700
tgtactgggt	ctctctgggt	agaccagatc	tgagcctggg	agctctctgg	ctaactaggg	5760
aaccactgc	ttaagcctca	ataaagcttg	ccttgagtgc	ttcaagtagt	gtgtgcccg	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	cgccattct	6060
ccgccccatg	gctgactaat	tttttttatt	tatgcagagg	ccgaggccgc	ctcggcctct	6120
gagctattcc	agaagtagtg	aggaggcttt	tttgagggcc	taggctagag	atcataatca	6180
gccataccac	atttgtagag	gttttacttg	ctttaaaaaa	cctcccacac	ctccccctga	6240
acctgaaaca	taaaatgaat	gcaattgttg	ttgttaactt	gtttattgca	gcttataatg	6300
gttacaaata	aagcaatagc	atcacaaatt	tcacaaataa	agcatttttt	tactgcatt	6360
ctagtgtgg	tttgtccaaa	ctcatcaatg	tatcttatca	tgtctgctag	ccgggctttt	6420
ttttcttagg	ccttcttccg	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
gtaggtcggt	cgctccaagc	tgggctgtgt	gcacgaaccc	cccgttcagc	ccgaccgctg	6900
cgccttatcc	ggtaactatc	gtcttgagtc	caacccggtg	agacacgact	tatcgccact	6960
ggcagcagcc	actggtaaca	ggattagcag	agcgaggtat	gtaggcggtg	ctacagagtt	7020
cttgaagtgg	tggcctaact	acggctacac	tagaagaaca	gtatttggtg	tctgcgctct	7080
gctgaagcca	gttaccttcg	gaaaaagagt	tggtagctct	tgatccggca	aacaaaccac	7140
cgctggtagc	gggtggtttt	ttgtttgcaa	gcagcagatt	acgcgcagaa	aaaaaggatc	7200
tcaagaagat	cctttgatct	tttctacggg	gtctgacgct	cagtggaacg	aaaactcacg	7260
ttaagggatt	ttgggtcatga	gattatcaaa	aaggatcttc	acctagatcc	ttttaaatta	7320
aaaatgaagt	tttaaataca	tctaaagtat	atatgagtaa	acttggtctg	acagttacca	7380
atgcttaatc	agtgaggcac	ctatctcagc	gatctgtcta	tttcggtcat	ccatagttgc	7440
ctgactcctg	cgcagtccaa	aaaaaaaggc	tccaaaagga	gcctttaatt	gtatcggtgg	7500
gcccttagaa	aaactcatcg	agcatcaaat	gaaactgcaa	tttattcata	tcaggattat	7560
caataccata	tttttgaaaa	agccgtttct	gtaatgaagg	agaaaactca	ccgaggcagt	7620
tccataggat	ggcaagatcc	tggtatcggt	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	gcaagacgtt	tcccgttgaa	tatggctcat	aacaccctt	gtattactgt	8340
ttatgtaagc	agacagtttt	attgttcatg	atgatataat	tttatcttgt	gcaatgtaac	8400
atcagagatt	ttgagacaca	acgtgggttta	aacaaatagt	caaaagcctc	cggcg	8455

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

<220>
 <223> synthetic

<400> 19
 tggaagggt aattcactcc caaagaagac aagatatacct tgatctgtgg atctaccaca 60
 cacaaggcta cttccctgat tagcagaact acacaccagg gccaggggtc agatatccac 120
 tgacctttgg atggtgctac aagctagtac cagttgagcc agataaggta gaagaggcca 180
 ataaaggaga gaacaccagc ttgttacacc ctgtgagcct gcatgggatg gatgaccgag 240
 agagagaagt gttagagtgg aggtttgaca gccgcctagc atttcatcac gtggcccag 300
 agctgcatcc ggagtacttc aagaactgct gatatacagc ttgctacaag ggactttccg 360
 ctggggactt tccagggagg cgtggcctgg gcgggactgg ggagtggcga gccctcagat 420
 cctgcatata agcagctgct ttttgctgt actgggtctc tctgggttaga ccagatctga 480
 gcctgggagc tctctggcta actaggaac ccactgctta agcctcaata aagcttgctc 540
 tgagtgttc aagtagtgtg tgcccgctctg ttgtgtgact ctggtaacta gagatccctc 600
 agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacttgaaag 660
 cgaaaggga accagaggag ctctctcgac gcaggactcg gcttgctgaa gcgcgcacgg 720
 caagaggcga ggggcggcga ctggtgagta cgccaaaaat tttgactagc ggaggctaga 780
 aggagagaga tgggtgagc agcgtcagta ttaagcgggg gagaattaga tcgcatggg 840
 aaaaaattcg gttaaggcca ggggaaaga 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 ccgctgatct 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 tagtgacgca gcagaacaat ttgctgaggg ctattgaggc 1440
 gcaacagcat ctgttgcaac tcacagtctg gggcatcaag cagctccagg caagaatcct 1500

ggctgtggaa agatacctaa aggatcaaca gctcctgggg atttgggggtt gctctggaaa	1560
actcatttgc accactgctg tgccttggaa tgctagttag agtaataaat ctctggaaca	1620
gatttggaaat 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 acaggcccga aggaatagaa gaagaagggtg gagagagaga	1980
cagagacaga tccattcgat tagtgaacgg atcggcactg cgtgcgcaa ttctgcagac	2040
aatggcagt attcatccac aattttaaaa gaaaaggggg gattggggggg tacagtgcag	2100
gggaaagaat agtagacata atagcaacag acatacaaac taaagaatta caaaaacaaa	2160
ttacaaaaat tcaaaatttt cgggtttatt acagggacag cagagatcca gtttggttag	2220
taccgggccc gctctagtcc ggaatcagtc ctgctcctcg gccacgaagt gcacgcagtt	2280
gccggccggg tcgcgcaggg cgaactcccg cccccacggc tgctcgccga tctcggtcat	2340
ggccggcccg gaggcgtccc ggaagttcgt ggacacgacc tccgaccact cggcgtacag	2400
ctcgtccagg ccgcgcaccc acaccaggc cagggtgttg tccggcacca cctggctctg	2460
gaccgcgctg atgaacaggg tcacgtcgtc ccggaccaca ccggcgaagt cgtcctccac	2520
gaagtcccgg gagaaccgga gccggtcggg ccagaactcg accgctccgg cgacgtcgcg	2580
cgcggtgagc accggaacgg cactggtcaa cttggccatg gtggccctcc tatagtgagt	2640
cgtattatac tatgccgata tactatgccg atgattaatt gtcaacacgt gctgcaggtc	2700
cgaggttcta gcgcgtggcc tccgcgccgg gttttggcgc ctcccgcggg cgccccctc	2760
ctcacggcga gcgctgccac gtcagacgaa gggcgcagcg 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	agaactcggg	ttgtcgtctg	3480
ttgcgggggc	ggcagttatg	gcggtgccgt	tgggcagtgc	acccgtacct	ttgggagcgc	3540
gcgccctcgt	cgtgtcgtga	cgtcacccgt	tctgttggct	tataatgcag	ggtggggcca	3600
cctgccggta	ggtgtgcggg	aggcttttct	ccgtcgcagg	acgcagggtt	cgggcctagg	3660
gtaggctctc	ctgaatcgac	aggcgccgga	cctctggtga	ggggagggat	aagtgaggcg	3720
tcagtttctt	tggtcggttt	tatgtacct	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
agtgtgcca	taaccatgag	tgataacact	gcggccaact	tacttctgac	aacgatcgga	4320
ggaccgaagg	agctaaccgc	ttttttgcac	aacatggggg	atcatgtaac	tcgccttgat	4380
cgttgggaac	cggagctgaa	tgaagccata	ccaaacgacg	agcgtgacac	cacgacgcct	4440
gtagcaatgg	caacaacggt	gcgcaacta	ttaactggct	ccggaggcgg	cggctccggc	4500
ggcggcggct	cgagcggcgg	cggcggatcc	ctacttactc	tagcttcccc	gcaacaatta	4560
atagactgga	tgagggcgga	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	ccccctaac	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
cacggtgcg	ctcgccaccc	gcgacgacgt	ccccggggc	gtacgcaccc	tcgcccgcgc	5520
gttcgccgac	taccccgcca	cgcgccacac	cgtcgaccg	gaccgccaca	tcgagcgggt	5580
caccgagctg	caagaactct	tcctcacgcg	cgtcgggctc	gacatcggca	aggtgtgggt	5640
cgcggacgac	ggcgccgcg	tggcggctctg	gaccacgccg	gagagcgctg	aagcgggggc	5700
ggtgttcgcc	gagatcggct	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
aggaccgcgc	acctggtgca	tgaccgcgaa	gcccgttgcc	tgagttcgcg	tctggaacaa	6060
tcaacctctg	gattacaaaa	tttgtgaaag	attgactgg	attcttaact	atgttgctcc	6120
ttttacgcta	tgtggatacg	ctgctttaat	gcctttgtat	catgctattg	cttcccgtat	6180
ggctttcatt	ttctcctcct	tgtataaatc	ctggttgctg	tctctttatg	aggagtgtg	6240
gcccgttgct	aggcaacgtg	gcgtggtgtg	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	cttccttccc	gcggcctgct	gccggctctg	cggcctcttc	cgcgtcttcg	6600
ccttcgccct	cagacgagtc	ggatctccct	ttgggccgcc	tccccgcctg	gaattaattc	6660
tgcagtcgag	acctagaaaa	acatggagca	atcacaagta	gcaatacagc	agctaccaat	6720
gctgattgtg	cctggctaga	agcacaagag	gaggaggagg	tgggttttcc	agtcacacct	6780
cagggtacctt	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	gtggggtggg	gcaggacagc	aagggggagg	attgggaaga	7380
caatagcagg	catgctgggg	atgcggtggg	ctctatggct	tctgaggcgg	aaagaaccag	7440
ctggggctct	aggggggtat	cccacgcgcc	ctgtagcggc	gcattaagcg	cggcgggtgt	7500
gggtggttac	cgagcgtga	ccgctacact	tgccagcgcc	ctagcgccc	ctcctttcgc	7560
tttcttcctt	tcctttctcg	ccacgttcgc	cggctttccc	cgtcaagctc	taaatcgggg	7620
gtccctttta	gggttccgat	ttagtgcttt	acggcacctc	gacccccaaa	aacttgatta	7680
gggtgatgg	tcacgtagt	ggccatcgcc	ctgatagacg	gtttttcgcc	ctttgacgtt	7740
ggagtccacg	ttcttttaata	gtggactctt	gttccaaact	ggaacaacac	tcaaccctat	7800
ctcggctctat	tcttttgatt	tataagggat	tttgccgatt	tcggcctatt	ggttaaaaaa	7860
tgagctgatt	taacaaaaat	ttaacgcgaa	ttaattctgt	ggaatgtgtg	tcagttaggg	7920
tgtggaaagt	ccccaggctc	cccagcaggc	agaagtatgc	aaagcatgca	tctcaattag	7980
tcagcaacca	gggtgtgaaa	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	tttatcgga	ctttgcatcg	gccgcgctcc	cgattccgga	agtgcttgac	8520
attggggaat	taattcagcg	agagcctgac	ctattgcatc	tcccgcctg	cacagggtgt	8580
cacgttgcaa	gacctgcctg	aaaccgaact	gccgcgtgtt	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 ttcgggggatt cccaatacga ggtcgccaac atcttcttct ggaggccgtg	9000
gttggcttgt atggagcagc agacgcgcta cttcgagcgg aggcattccgg agcttgcagg	9060
atcgccgcgg ctccgggctg atatgctccg cattggctctt gaccaactct atcagagctt	9120
ggttgacggc aatttcgatg atgcagcttg ggcgcagggt cgatgcgacg caatcgctccg	9180
atccggagcc gggactgtcg ggcgtacaca aatcgcccg cagaagcgcgg ccgtctggac	9240
cgatggctgt gtagaagtac tcgccgatag tggaaccga cgcgccagca ctcgctcgag	9300
ggcaaaggaa tagcacgtgc tacgagatct cgattccacc gccgccttct atgaaagggt	9360
gggcttcgga atcgttttcc gggacgcgg ctggatgac ctccagcgcg gggatctcat	9420
gctggagttc ttcgccacc ccaacttggt tattgcagct tataatgggt acaaataaag	9480
caatagcatc acaaatctca caaataaagc atttttttca ctgcattcta gttgtgggtt	9540
gtccaaactc atcaatgtat cttatcatgt ctgtataccg tcgacctcta gctagagctt	9600
ggcgtaatca tggatcatagc tgtttctctgt gtgaaattgt tatccgctca caattccaca	9660
caacatacga gccggaagca taaagtgtaa agcctgggggt gcctaagag tgagctaact	9720
cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct	9780
gcattaatga atcggccaac gcgcggggag aggcgggttg cgtattgggc gctcttccgc	9840
ttcctcgctc actgactcg tcgcgtcgggt cgttcggctg cggcgagcgg tatcagctca	9900
ctcaaaggcg gtaatacgggt tatccacaga atcaggggat aacgcaggaa agaacatgtg	9960
agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca	10020
taggctccgc cccctgacg agcatcacia aaatcgacgc tcaagtcaga ggtggcgaaa	10080
cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg tgcgtctctc	10140
tgttccgacc ctgcccgtta 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 gcgaggatg 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
ttctacggg tctgacgctc agtggaaacga aaactcacgt taagggattt tggatcatgag 10680
attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt ttaaataaat 10740
ctaaagtata tatgagtaaa cttggtctga cagttaccaa tgcttaatca gtgaggcacc 10800
tatctcagcg atctgtctat ttcgttcacg catagttgcc tgactccccg tcgtgtagat 10860
aactacgata cgggagggct taccatctgg cccagtgct gcaatgatac cgcgagaccc 10920
acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag 10980
aagtggctct gcaactttat ccgcctccat ccagtctatt aattggtgcc gggaagctag 11040
agtaagtagt tcgccagtta atagtttgcg caacgttggt gccattgcta caggcatcgt 11100
gggtgtcacgc tcgtcgtttg gtatggcttc attcagctcc ggttcccaac 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 ctcggggcg 11460
aaaactctca aggatcttac cgctgttgag atccagttcg atgtaacca ctcgtgcacc 11520
caactgatct tcagcatctt ttactttcac cagcgtttct gggtgagcaa aacaggaag 11580
gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tggtgaatac tcatactctt 11640
cctttttcaa tattattgaa gcatttatca gggttattgt ctcagtagcg gatacatatt 11700
tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc gaaaagtgcc 11760
acctgacgtc gacggatcgg gagatcaact tgtttattgc agcttataat ggttaciaat 11820
aaagcaatag catcaciaat ttcaciaata 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 aataaacttt tgctttttctt tttagccaat aatatgtttc cgtgtgggttt	60
ttatagggtta accacttatg gtgtaaagta ggatattcat agttattgaa aacatgggta	120
cacaatgtaa cactaaacta ctatccgcac taatagcaac tgcaatcatc ctaactgcc	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 ttcctactcc	960
atctccagac aaggcagatc tgcgagtgga atttccttcg ttatctccgt gtgtcggcat	1020
acaatgcgct tcacgggaag atgcgtgata catagcgtac cccagacgg tacggcttat	1080
gagaacacaa ttgaaggaaa gtacagggtc ctgttgatat gttattacag aaggtcacgg	1140
aacacaaacg ttttctgcgt gtgtttttat aaaagagcgt ctcgaagcag cttgagccac	1200
actacgggtc 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 ggagtgaat aggcaaaggg tatcagacac	1560
cggccccgtc atgcagccgc tggttctctc agcggaggaa ctatcgtctc tgctgatttg	1620
caaatacatc ccaccttaag cgacgagtcc ataaagcatc gttatccggg tacggtgaaa	1680

gtgacccgga ttgcaccacg tccctttttt gtttttgcac cgtttatcgt caccactagt	1740
gcaatatttt 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 tcatgggtcat 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
ggcgctgat taactatatc gtgagtcacg gcctttttcc atgggtccgtc atgaccgcaa	2880
tgataacttta caggtattcc gaaacctgta tggaggtcac cgttaaagta ggtgatccgg	2940
tcaccctcgg aagtggacac gggttatcatc ctggccaaag agtacactgg tataatcatt	3000
catgtgtcgg catcggtaac ggcgaaaatg cgcacacctat ctgtacctac gaccctecta	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	gtggttggca	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
atcgtaaacc	aattgggttc	acaatcaaca	tcaccataaa	tttcccggat	ggaacttgga	4080
cacatgttac	agtctcacag	tgaacgaaaa	cggtacattc	ccactacca	ccaccaaaaa	4140
acccactacg	accacgagaa	cgacaactac	caccacaaca	aagaaaacaa	ccaccacgag	4200
aacaaccacc	gccgccaaga	agacgacgat	aagcactacc	catcataaac	actccagtcc	4260
caaaaaatcc	agcaccctta	acagtcacgt	agaacatcac	gttggttttg	aagccacagc	4320
agcggaacaa	ccgttacaa	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	gaggggggctt	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
gcgtcgggtca	tgacgcggcg	aaacgccgtt	gacctggacc	gaccgccgct	ttggtcggga	4980
tcgtccccgc	atttgcccgt	ctacgatgtg	cgttccccgc	ggccgttgag	accgccgtca	5040
tcacagcatc	acgccgtatc	acccgaactg	ccgtcgcgag	acgggatacg	ttggcagtac	5100
caagagctgc	agtatctggg	ggaagaacaa	cggcggcgaa	atcagtcgcg	caatgcgatt	5160
ccgagaccct	cgttcccccc	tccggatcca	ccatcgcagc	cggcagagga	tgacagagac	5220
gcggacgcag	aacgtgccga	atcaccacat	agtcagaaaa	gcaccgtcag	gcacgacgcg	5280

agtgagaacg	cagtgcggcg	acggcacgaa	agacggcgct	ataacgctct	gacgggtccgc	5340
agccgggact	cgctgctcct	gacgcgaata	cgcttctcca	accaacggtg	tttcggacgc	5400
gggctctga	gacatcccg	gggaagcgg	cccaacaccg	gcggaccgcg	acccggcgg	5460
gcgggactcc	gtcaactacg	ccaacaactg	acggtccgct	ggcagctgtt	ccgcctacgg	5520
tgccacgggt	ggacacagca	ggtctctagc	cagatcagaa	cccgtggga	ggaaagcaac	5580
gtcgtgagcc	agacggccac	gcgagtacgt	acgtggttcg	tgaaaagaac	cacgttttgg	5640
cgtcgcacgt	gggttccggg	acagaaccgg	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	caaatacgct	gaccgtggcc	tgtccgcccc	gagaaccccc	gcatcggtgc	6060
ctgtttcgtc	tatgcttagg	actgtgggtc	tcgagctacc	tggttcgacg	gcccattgacg	6120
atttagaata	caccgagcca	ttcctttatt	tcccccatc	cccggtcgct	tatgcgtggt	6180
aaacactacc	aataaagata	atctgccaat	cgcaccttat	atataatatg	tggtcgcgtg	6240
tggtcttttt	aaggagctct	gaaacacaga	caggatatgg	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	ctggccccgag	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	agggatgaac	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	ggctccgccc	tcggtgcgcc	catctgcggc	agcggtagcc	7380
gacgcggcag	cggcgccaac	gaacgcgcgc	actccgacgt	cgggtcccatc	gccacagta	7440
gcgggtaccag	acgcggttcg	gcgaatgaaa	cgtccgcctg	tacgcggacc	gatcaccaga	7500
aggcggacat	tgggctgtgg	ttcatgtttc	tgggtttttgg	actgtgttcg	tggttggcga	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	gccgaggtac	ggtaccgctg	ggatgggtgt	tttttgttct	ttgcttatct	7860
gcctcttcct	cgtgtgctgt	tgacctgggt	agcaagtcct	ccaactcgac	ctgccgcttg	7920
aatgtgacgg	agttggcctc	gatccatcct	ggggaaacgt	ggacgttaca	cgggatgtgt	7980
atctctatct	gctactacga	gaatgtgacc	gaggacgaga	tcacggcgt	ggcttttact	8040
tggcagcata	acgagtctgt	ggttgacctg	tggttgtacc	agaacgacac	ggtgatccgc	8100
aatttcagcg	acatcaccac	taacatcttg	caagacggac	tgaaaatgcg	aaccgtccct	8160
gtgactaaac	tgtacaccag	ccgcatggtc	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	cgctcttcac	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	ttcctcgga	ggactcagag	ccactgatgt	8880

cggatccggc	acggtctccc	gaagaggagg	agtaaacaac	acacggctaa	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	atttggttgg	gacggggaaa	ctttaatgga	gctcaaggat	aacctgacac	9480
tatggacggg	cccccaattac	gaaattagtt	ggttgaagca	aaacaaaacg	tacatcgacg	9540
gtaaaattaa	aaacatcagc	gagggggata	ctacaataca	aaggaactat	ctcaagggtg	9600
attgcactca	atggtccgtc	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	ggccttttgc	tggcgctatc	gcaagggtccg	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
cgcgcccgg	tcccacgggtg	gtttatgatg	aaaccggcgt	tggggatcta	cgcgggttcc	10560
tcattcaacc	tgcgaaaaga	ggaagttgcg	gtaaaaccac	gtcaataaag	acgtcaatga	10620
cacctcaatg	ttgcgttgga	acggtcttta	tatatacaaa	cgccgttatg	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 cataacacca 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 gccgactgct 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 tgggtcccaat 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
tgccgcagct	cctctgggac	ggtgatgaag	ttgcagcgtc	gcaaaccgat	gttgagaaat	13740
tcagtgatgc	tctcggccac	aaagggtcaac	gagtcagagt	agatgtgggc	ggtccacagg	13800
tacatggcgc	ccgaggcgcc	caggtacagt	tcagacggca	cgttgtgata	gcccttggtg	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
gacatcgcgg	tcgcgcgtcg	gtggacaaaa	agaaatcggg	ccgatccgga	aaaaaaaaaa	14160
aaacgacggc	aaaacaccgc	cgtgctcgag	cgaaggggtg	cggagggcca	gaagaggcgg	14220
ccttgacggc	gttggcagcg	aaaaaattgg	cacgcgagtc	aaacgggaag	tagcgtcggg	14280

gttttatgcc ccaagcagcg tcgtcgtcac tcgtggcgctc acagtcaacg gtgctgacgt 14340
 cctttggggc agtcggggcac gcgatcgtag atgccgttgt ggccgctgaa acgtcggttt 14400
 tcaaacagca ggttaagtcc cagacacatg aacgtgttga gattatctcc cacccggtatg 14460
 tagcggtcgt cgcgcacgtc gcaggcgtag acggccccgg tataggcgac gacgatgggg 14520
 ataaggtcga cgggccagcg caagtgagga aagggcgcggt tctcgccctt gaggctgacg 14580
 gttcccaggc cgagaacgcg cattccgaaa gcggttttga tgttgcgcag caagtgaccg 14640
 ccttcacgct tgttttcgaa acacctgagg ttgcatagac gcagttccgt tcccggcggg 14700
 tacgtcaacg gcatgaactg cccgtggtgg cggatgatga atcgcgcat ggtatccaaa 14760
 ccgaggctcc aggcgcgcaa cagcgggcga aagtagcgct taaccaacga cgaggtcagg 14820
 tagcgcacgc agtgcagggt ctgcacggcg cgcagcccga cgcgcgcaa ctccatgagg 14880
 ttgcgggcca ggtagtagac ggcggtgtcc tcgcgtacat agcaaaagac atagccctcg 14940
 tccgagatga ggcacacggc ggtcttcttc tgctgatccg gcgacaacac ggcctcggtc 15000
 acgaagcgac ccacgaaggc caggcgcgtc tcgcagcaca ggtagtgact ccaagctttc 15060
 acgtcctccg gtttgaagtc ctgcgtcgtc tcgatctcct gcagcactag gttccagccc 15120
 ggcggccaga ccacgggcaa cacctggcct gcgttgatgc gcacgtaagc ttccagacag 15180
 cccaggccga actcggccgt gagcgccagg ctagccagat cgctcatgtg acgcgccgag 15240
 tcagtgggcg agcccggggg cccgtcgcac accacgctcc gtcttcttgt cctcaccgcg 15300
 gccagcgtgg cgaggacact ttccgcgccc gaggtgttat cttcggtttg cccgccggag 15360
 ccggccctca ctatataacg tcccgcccgg gtctcctcca tgtatgcagg taagcaactg 15420
 agccgaacgc acctcagcag acgagaggat gtcgtcgcgg cgtcgcagct cgtcacgtcg 15480
 ctctggcgaa ccctcgacgg tgatttatat cccctcgagc aacgaggaca cgccggcgga 15540
 tgaggaggcg gaggacagcg ttttcacgag cacgcgggcg cgcagcgcca cggaagatct 15600
 ggatcgcacg gaggccggtt tgtcgcccta cagcgtctcc tcggacgctc cgtcgtcctt 15660
 cgagctcgtg cgcgagaccg gcggcaccgg cgccgccaag aaaccgagcg aaaagaaacg 15720
 atcgtcgtcg cgtcggcaac cgcagatcgc agcgggcgcg 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 tttgagcgcg 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 ggcgtgcggc 16380
 cgcgctagcg cttcactttc tcacgtcacg aaaaggagtg acggacggcc agtacgccac 16440
 gtctctgcgg cggctggacg aagagctgcg gcatcgcggc acgcccgaat cgccgcggct 16500
 caccgaggtc taccagacgc tacgcgatta caacgtgctc ttctataccg cccactacac 16560
 ctcgcgcggc gcgtctatc tctatcggca aaacctgcag cggtcaacg agaaccaccg 16620
 gggcatgctc cggctgcttt cggtcgaaga gatatgtgaa gagcacacgc tcaacgatct 16680
 ggcgttccta gtaggcgtcg agcttatgat cacgcacttt caacgcacca ttcgcgtgct 16740
 gcgctgctat ctccagcacc agctgcagag catctcggag ctgtgttacc tcatctatgt 16800
 acaactgccg tcgttgcgcg aagactacgc gcagcttagt gacgtgatct actgggccgt 16860
 cagtcaaaac tacgactacg cgctctacgc gagcacgccg gcgttgtttg actttttacg 16920
 cgtcgtgcgt cagcaggacg ccttcatttg caccgactac gtgtactgcg ccctgcgtct 16980
 gctggcctgt cccgacagac ctattatcgg tgacaccggc ggcagcagta gctcccaacg 17040
 cctcgtaggc gagtttatgg tgcgcgatcc gctgttgcg caccgcgcgc ccaccacct 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 tctctcaac 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 cgcggatgac 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	gctggcggcg	18120
cataaaatcg	tctaaattca	aaccgccgtc	gggtgcgcgc	ctgctcgtca	tcgccgcgcc	18180
tcgtcggtcg	atgaccccac	ggtgcttata	acgcgccgcc	gcggcttcat	gtggcgtgac	18240
ctccgacctc	gtgaggccga	aaacggcgta	catgaagacg	ctcaaacttt	tgaatgtggg	18300
cccggtagcg	caccgagggc	cccggggcgg	cgacgacggc	gggtccgagt	tccagcgggg	18360
ccttgccggcg	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	cgttgccacg	18720
ggttctgagc	gagtcccttg	cgcagcagcg	cagcctcgcc	tttaaacagc	ctgatgagcc	18780
gctgcacgtc	cccgtcaac	atacgtatac	acgccgtgta	ctcgtgacgt	atactggcgc	18840
gcagcagccg	aatgatacgc	agggccagca	cggcgttgga	ggccaggtag	atggcgtagc	18900
cgcgacgcgg	gttggcacag	gcccagcccc	cggggagcag	aaagtagtcg	tcgaccagcg	18960
tctgcgacca	gtcggcgaag	cccaggtcac	gtgatacgtc	gtcctggacg	cgggccacgt	19020
cgccggctgt	gaggtggcgg	atcgccggca	ggtgaaacgc	gcccaggtgt	cgattgcgct	19080
ccagcctcag	ctcggcgtgc	tccaaacggg	aatggtggga	cgccaccgcg	gagggcgaca	19140
aagaggagtg	gtcgccgccg	ccgtagttac	cgttgtgatt	accgccgtcg	tcgcgcccg	19200
cgccgcactc	gcaaaaaggcc	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	cgtttggcgg	cgcgactgat	ctctggcaag	tactgcgcct	19560
cgtgcaccag	acggcggaag	gcgccggcgt	tgagccagcg	aaaatgctgc	ggatcggggc	19620
gcaagggcac	gcctcgaagc	gcggcccaga	cagcgaggtc	cgactcgagc	gtcagaccgc	19680

ggatgtcgtgta cttgccgtg c gccgtagcgc aggctgaatg gacaagacag ctgcgggcgaa 19740
 tgtacaccat ggcgtgcttg ggatgttttg gcgccggcgt tttctttttc tgaccgccgg 19800
 cggccgccag atcctcgggc gtgcgacaca acaggccggc gcgcacagcc tcctgtcgat 19860
 tacgaatcgg cgtcaggtag gcgcgcagga actggtgaca aaactcctca tcatcacgac 19920
 agtcgtcgag atactcgtac gtggtgagcg gatcgcgaaa taggcgctcg tcaccgtcgt 19980
 catggtcttc tttagcctgc tcctccggct gctgggttg cggtggaggc ggcggtgat 20040
 ccacggggtt catgactgag aggaagaaga aggtggcggc gaagcgacgc ggagcgacgg 20100
 cggtaaagcc agacaccggc tatatagcta gtcacacag tctcctcctt cacgacgccc 20160
 ccgtgccgct cacgctatcc agcacgctac ggcccga aaa cacgtactcg ctgacgtcgt 20220
 acgcggggcga tgtatggctg ctcaccgggt tcgcggcgac gggtgcgctc 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 ccggcggtgga 20580
 gctgacatac gcgcagcaga ttggcgcggt cgtgcagtat ctgggagagt tcgtacatgc 20640
 ccgcaaaggt gtgcttaaac cacgcgccct ctacgatctc atccacgtag tcgcgctcaa 20700
 agaagctgta cacggcaaag aggccgttct caaaaaactc gccgaacgag agccccagca 20760
 cgtacacctt gtcctcgccg ggcaggtacg caaaggcgtg cccgtgccc gagaccaga 20820
 tctcggggcg cgtgtttgcg tccggcacgc attcgtacac actgacgagg ccgataaagt 20880
 acaagcggcc agcctggcg aggcacgaga agcgccggta ggtcttgtga tcgcgcacca 20940
 ccccaaagta ctgagtgtcg ccagcatga tgccgtgcag cggcggccag cacagcggga 21000
 gccaacgacc cgccgtggcg gcacgtagc gctgcaggtg aaccccgtc gcacgctcgc 21060
 gcggcttcgg gcgcttgtgg gtccaggcat cacgcaggcc gcgccagatg ctgctgaact 21120
 tgggctgccc gcgcagatag agcgacgaga gcgagtcaaa gtagccacg acgagcctgt 21180
 cgggagacac aagagcgcg aaatcaaacc tagaacgaca acggtgaaaa aaccgaccag 21240
 aagcgcggtgt ctcaaacacg ctactttcgg ttataaaaac accgtcgccc tatttctggg 21300
 cgtgtgtaca ctgatgactc acctacgctt tttgaacggc agtctcagct cgggattggc 21360
 ctcgtacagc gagctgcggt ccacggggcc gatgctctcg taacgaaagt cgtcgatgag 21420
 cagcgccagc cccacgcgca cgaagcccct gaggtcgcg gccagccgca ccaacttatc 21480

ctgccccacc	agcgccgcgt	acacggtgcc	cgtatcaccg	cagagaatcc	gcacgcggtg	21540
aaagaaggtc	ttgtcctcgg	cgccctcgat	ttcgcccagc	ggcatgacgg	gctcgcgcgt	21600
gtacaacgaa	cgttgaaagc	ggcgcagcat	cgaggccgag	agccccagat	cgcgcgcgct	21660
gcgcagcacc	agggaatgct	tctcggggcca	gatgaggatc	agttgcgctt	cgcggtgcgc	21720
ctctacgtag	gcgcaacgag	cggcggtgtc	ctcgcaggcc	agcaactcgc	ggaaagccag	21780
cagcgaacgt	aggtagcggc	cgcgagcgga	ggcgcgcgag	cggcggcaca	gctcagcccc	21840
atggtcggga	tgcaccaagg	gcacgttggg	ttgcagacgc	gcgcagatgg	attcgtgcac	21900
cgggtcgcag	cgaatcatgc	ccttgggcaaa	aaatccggcc	agatccgagg	ccaactcgta	21960
caggcagtcc	tcttgcgctt	cgtaggcgaa	cacggagccg	tacgcgtcca	cgaacacctg	22020
gtaccggcag	gtggcgtgcg	agaccgtgcc	aatgagatgc	agagctcggg	attcgccgaa	22080
aaagtcgttc	tggcagtgtt	ccagatcgat	ctcggtcagc	gagtgcggcg	aatgctcacc	22140
cccgaaccag	tagatgcact	gcgagggcca	gccagcgat	acgcacgaac	cctcgaagcg	22200
ccgcaagtaa	cgccgcaggc	cctcatagtc	gcgtcgcacg	cacaggtcgg	ccaagtcgcg	22260
cgtgcaaaaag	acctcgggta	ccaagcagcg	tttgcgacgc	ggccgacgcg	cgtgcccggg	22320
cagaggagga	aggcgcgacg	gcggcgacga	cgaggaggaa	gacgcggtgg	ccgccgagca	22380
gcccttgcca	cggccagaca	tgccggcagt	ccgcgacgat	ccacaggaga	caaaaaagca	22440
gaagcagcag	tagtctcgac	gacccgctcc	accccgctct	ccacacgctc	agccgcgact	22500
gagcgccggg	gcgcgccgct	acttggtttt	ttatagccat	ctgccccccg	tctcgggcac	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	gcgataaaag	gcggcaaagt	cctccaagtc	23100
ggctacatgc	gccctgggtc	tgacgttcca	aagcgtacgc	agtctgatga	agcggaccca	23160
tcgagcgtca	cggcacgccg	tcttgaacgc	agggcccggg	aagagattct	tctccccggc	23220
gcgctcgggc	cggcgaggcc	gacgcggttt	atatacaccg	tctcggacgg	cgggacgccg	23280

agccccgcgc	gcgcccgctc	atccggagac	ggcggaacc	gcgccgcgcg	aggaaacggg	23340
gaccggcaac	gacggcggtg	gcgccgacca	gattatgggg	gacaagccca	cgcttgtagc	23400
cctgttgacc	gtcgccgtgt	cgccgcgcgc	accgtcgctc	cgctgcccgc	tcgtcagctt	23460
cacggagctg	ctgttaccgc	cgccgtccgt	cgccgcgcgt	gcggtggcgc	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	tgacctcggt	23760
gatcgaagcg	ctacgcgacg	cggaccgcga	caactacggt	cgctgcgtgc	gccacgcca	23820
gattcacctg	tcggcctcgc	acctgacggc	ctacgagtcg	tacttggtgt	ccatcaccga	23880
gcagtacaac	acggcctcga	acgtgacgga	gaaagcttcg	tacgtgcagg	gctgcatctt	23940
tctctcggtt	ccggtcattt	acaacaacac	gcagggctgc	ggctacaagt	acgactggtc	24000
caacgtggtg	acgcccgaag	cggcgtagcg	cgagctcttc	tttctgctct	gctccaccag	24060
cgagagctcc	gtggtgctgc	aaccgctcat	caccaagggc	gggctctgct	cgtccatggc	24120
ggtttacgac	gaggaaacca	tgccgcagtc	gcagggcggt	cagatcggtt	ttctgcacac	24180
acaactggtc	atggtgccct	tcgtgccgca	cgcctgcccg	cattacgccg	tgcttttcac	24240
gacgccggga	aagccgggct	gcgccgggtg	tccgagcggc	gttgccgggt	tggaggaggc	24300
ggcgcccttt	ggacgggtca	gcgtcacgcg	gcattggcgc	acgctgctgt	gtcgcggtga	24360
ccatctgacc	tggatcagta	agcgcgtaac	cacgtacgga	cacaaaaaaaa	ttacgcgcta	24420
cctcgcgtag	ttccgcggca	cgatggacga	cgacgaggcg	gcgctacccg	gcgaggacga	24480
ggcgtggatc	gcgtccaaaa	acgtgcagta	cgaattcatg	ggtctcattt	tcaccgtcaa	24540
cgtggattca	ctatgcgtgg	acgcggaaca	gcgccaactg	ctgggcaccg	tggccacctc	24600
cttctgtcac	cggtctcggg	acaagatcac	agcgcgcaac	atgccgcgcg	ccttttcctt	24660
ctacttgcta	acgagcgcg	agcgcggtga	cgacctgcga	tttagccgca	accggtcact	24720
ctttttcagc	ggcgacgcgc	tcaactgtcc	gcttctcaac	gagcccaacg	tgttttcgct	24780
cacggtgcac	gcgccttacg	atatccactt	cggggtgcaa	ccgcggcaga	cgggtggagt	24840
ggacttgcg	tacgtgcaga	tcacagaccg	gtgtttcttg	gtggccaact	tgccacacga	24900
ggacgccttt	tacacggggc	tcagcggtgt	gcgcggcggt	gagccgctca	aagtcacgct	24960
gtggacgcgc	acgcgttcca	tcgtgatccc	gcagggcacc	cccatcgcca	cgttgatatca	25020
aatcaccgag	ggcgacggta	acgtgtactc	gtacaatcac	cacacgggtgt	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	cacggcgtcc	gacggcggtt	tggcgcccc	25320
catgccggca	gaacccggtt	gcggccccgt	accgctcttc	tggggcgacg	ataggtcgaa	25380
agccaccgtt	ttcatgcccg	tcgtgctctt	gacgggggaa	cctacggcgg	cgggtccccgt	25440
cgagcggcgt	gattgcaaag	ccgcgctcgc	ccccggtttc	aggatggagg	gggaggccac	25500
aggcggcgca	ttcgatacgc	tgcttttggc	cgtagacgac	ggtgggtaaa	cggtagttac	25560
tgcgggatac	gtcggcgtgg	tcgaggcggc	ccggctgggtg	ccggacaggc	gacccggcgc	25620
gctaccgctc	acggggaccg	agggcggtcg	acctaccacc	gccttgccgc	ccaaagtagg	25680
tttcaaggaa	ggaacaacac	cgacgcggct	gccccggcct	ttcaccggag	acgggggggc	25740
actcttggcc	ggggacggag	aggctgacga	aagcatggac	agcggcgatg	tggcggggga	25800
cacgatatca	tcctccgtgg	gcgataaaac	ggacgccgaa	gctgacggct	gtcgagccga	25860
agaagcggaa	gaggttcccc	cgccagaagt	cacgttcctt	gatgacgtcg	ttttagacga	25920
agccggttga	ggttgcaaca	gcgtggcggg	taccgtcgac	ggcgtgcccc	acacctgttt	25980
ctctagcctt	ccctgaaccg	gtgtcgacgt	caccgtctgc	gctcgggcgg	acgcgtgcgg	26040
cgtcgcgact	cgcttgccca	gcaccgggtt	ctggctcgtg	gatgtcgtcg	tcattggaga	26100
cgataactta	gctttacgta	ttctggacgg	cgtcgactgc	tcgggcgtct	gactgggagg	26160
cgaaatgacg	tcgttgtaat	cggacgacgg	tgttgtgtgt	cccaggctga	cgacggagcc	26220
ggtgtccgag	gagtcgtcgt	cttcctcctc	gctgtcttcg	accggtgact	ctgcagtttg	26280
gtcccttaaa	gccccaaac	catcagcgg	gttctgagac	gctgtttgtg	tcaccgcggc	26340
gcgtggagtc	gacggcctcc	gaggggtgg	ggacacgggtg	ttttgagaag	ccgtggaagt	26400
cgtaggcatc	ctgaagggat	tgtgagccag	gtgaggattc	ctgagggccc	acgcgcgttc	26460
gcgcggccag	ttggcgggg	tcatatcccc	gggcaacggc	gccgtcggag	cccagggcga	26520
gttaccgttg	accgggggtt	gggtaccgc	gaaggtaggt	gtcggggccg	gagcgggggc	26580
cgtagaagga	ttgacaggcg	tcggcgtgag	gatggcagcg	ccggcgccag	cagggacgtt	26640
aactccggcg	ccgaacgtca	acgtcgggtt	ctcgaacttg	tacgcggtgg	tgacgggcgg	26700
tttggcgctc	gtctcggtat	ccgtgatgtc	caccagcgtg	tcggtgaaac	gcggatcttg	26760
acggttgggg	ggatagccat	ccgagctgtc	ggaatcctcg	tcgcccgaga	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 cagcttgtag cgctcttgaa tgcgcgccag 27720
 acatttgcmc tccagctcct cccaagacct tcgcacgttc atgatgagac ggcccggtga 27780
 cacgagcttg 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 cggctctagca cagccagggtg 28080
 gtcacgcgcc ttaccacgat caccgaacgg gtaagtgtag ccgcgacgcg ccacggccgc 28140
 gcaacgcacc tcgaactcct cgagcaccga ggagaggtcg ggattgtgga aacgcagctc 28200
 gcggtagtat cccaacaaaa gcatgagctc gttgaacagc accgtacgcc ggtgcaggcg 28260
 tttttcgcca ctttttttca ggatcttggg gtgtgcctcg agatccacgt cgggcttttg 28320
 cgtgagatgg cgcagaaagt tgaccagggc caccacatcg cgcgctgta gaccgataaa 28380
 ctgcaaactc atgctggctt ttctccagaa cccggaagcg tcgtcgcccc ggactgcgcc 28440
 cgcggtctgc tattcgccca cgatggacac catcatccac aactcggtga gcgccccacc 28500
 tagaggagg gggggtagtt taatagcgga ggcgatagc 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	ctcattaatc	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	ttcgccccgac	tgcgagacgcc	29940
gacggccaat	cgcgtggcgt	aggagtggcg	ccccggcttc	attataacgc	cacgtcggag	30000
cccctgcgcg	ccacaacgcc	gtccggcgca	acttctgtct	cggcacggta	cgataaaaaac	30060
aacgtcccc	ctcgacgttg	ttttctccga	gcggtgatcg	ttcccgtccc	tctcctccct	30120
ccgcggcccc	cacggcgggc	gcctgctcgc	acggacctat	actattaccg	ccccaccgcc	30180
gtcgtcgtca	tgaacttcat	catcaccacc	cgagacttct	ccaacgacga	ttcagtctctg	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	gcgctgggcg	tggaggtgca	tcaactggta	30720
gccttgctgc	cacacgagcg	ccaccgcgaa	ctgtgccacg	tcctcatcgg	cttggttcac	30780
cagacgccgc	acatgtgggc	gcgctccatc	cgtctcatcg	gacacctgcg	ccactacctg	30840
cagaacagct	tcctacacct	gttgatgaac	tcaggtttgg	atatcgcaca	agttttcgac	30900
ggctgttacc	acagcgaggc	ctaccgcatg	ctcttcacga	tcggtcatac	ggactcggtg	30960
tcggcgggcc	tggaaactctc	acacagcgca	gcggccgggc	cgcccagggc	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	ccggttctcc	ccgtggacga	ctgggtcaac	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	gagcgtggt	ccggctgcac	31980
cgggtacgcg	acgcgctggg	gctgcgcgcg	tctcccaggg	ccgaggcgcg	ctatccgcgc	32040
ctcaccacct	acaacctgct	gttccaccca	ccgcccttca	ccacggtcga	ggcgggtgat	32100
ctgtgcgcgc	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	cgctctgtga	ccgacgcggc	ttcttcgctg	33000
tccgcgtctt	cgtcgctcgc	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	tcgaagacct	gcgggacgat	ctggccgaaa	acctacggaa	tctctgaacg	33420
cggtttttcc	tctttttcta	cgtgtctgtc	tcaggacgag	atgtcgatat	caataaaaat	33480
accgtcgacg	tggtttttcta	acagtgtggg	tttctttatt	gaccagcgga	gtacacagtt	33540
tacgagtaaa	aaagacaggg	aaaggttata	taaaatgctg	tattatatac	aaaaacatgc	33600
acatagacaa	acgggaccac	cgtgctcgtc	atccccctct	taatcagtta	ttcatgtagg	33660
cgtgtggcgg	ggtgaggggc	ggcatgccgt	tggcggcgcc	aggaataatg	tgccgtcgac	33720
cgacgtcgca	caccttgaaa	cgccgtcggc	gcacgcagcg	gtcgcaggac	gggatatccc	33780
agaggaagcc	catgtaagtt	tcggggctct	cgctcgtgaa	gcggtaggag	agttcaaagt	33840
ggtgcaacga	gcccgtccga	gctcgcagct	tctggcgaac	accctccacg	tcacggtgc	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	tggtttcggg	34200
gtcccttctt	tcccatgacg	caggtgaaca	taaccacgtc	ctcggccaaa	cggtagacgg	34260
cgtccatggc	ggggtcgtag	ccgtagacga	cgccgaaagt	gtccaccaag	acgtactggc	34320
gtacgaggaa	ctctttgcgt	tctggcacct	cgtggcccag	cgcgcccaac	aactggtggt	34380
aacaggtgat	gcgcggcacg	gtacggatca	tgagctccat	ggctctggatg	ctgccgcccg	34440
cgcggaacg	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
cgcagtgcg	aaagccatgc	cgcagaaaagt	ccttcatggg	ggccgccagc	tcgtagacgc	34740
agtcgcgcag	gtcatcgtag	cagtagatgc	caccgcgctg	cccgatgagc	acgatgagtt	34800
ggtaacgcat	aaagcccgga	ccctcgacga	aaccaaaggg	gtgcaggtac	tcctgacagc	34860
agacgtaagc	acctggtgga	gaaatgagaa	aatccacgc	acgttgaaaa	cacctggaaa	34920
gaacgtgccc	gagcgaacgt	cctctttcca	ggtgtcttca	acgacgtggg	gcttaccttg	34980
cgaacagacg	gtgcccacgt	tgcccacgaa	gggccccagg	gcgctgcgcg	aacggagctg	35040
gatgaagcag	cgttcggggc	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	tcctcgtcc	cgacaaatgt	agcggaaatc	ttcaagcaaa	tcgcgacgaa	35400
gtccgatgag	gaggatgcaa	aagaggctga	gcaacgcgat	gctgcccggc	gccacagtac	35460
atatgctcaa	caacgcccg	tgtcccaacg	cgcgactttt	ggctcggagc	agagccgaac	35520
ggcggtttct	ccacatcgtg	gatagcgtga	tccaatactt	ccatccttca	cattccgggtg	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	gtgcagttta	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	acacgttgtt	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	tcgatgaccc	cgaacatgat	gagctcctgg	tccaacgggg	37260
ggcagtgtcg	ctccagccaa	ctgatcttgc	tcaggttcat	ctgcaaaaac	tcgtaagagg	37320
ggtcgcagat	gcacacgtag	agacccgagt	cgtgccgcag	cctggctccg	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	gggggcccgt	gtgctgcagc	agccgagctc	gtcgccgccg	ttgccacagg	37680

aaccggtgcc tccgcagggc ctttttgagg gcctcgcagg cttctcgcgc aagtcctgag 37740
aggccctcgg cgtcgatggg gttcacctcg ggcgtccgag cctcgttttc ttcttcttca 37800
tcctcccttt cctcctccgt gtctcccg gcgtgtcct ccgttacgct ctctccccg 37860
gcctcggcca agagcgcggc caccaagtcc acggaccgct cgggtctccga 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 gcgccaaga cacgtggggg tttcccctta 38220
ggcgaccggg tttcttaaga tgtttttcat cttcgcacgc gatgtactac atcaaagggt 38280
cggctgaccg accgcattga cgcagtttcc gagtacgcgc gtctcggagc acctgacggg 38340
gagccacca gctcacgcgg ataggggaca aactgacgt gaggggagat tcccgtcact 38400
gacgggtgac aggaataaga cgggtgagga atttccacct ttttcttaag tgtgactctc 38460
cttacggtaa atcgcacctg tgacctctta accctctctc cctgggtacct aataacagtg 38520
aaaaacacac accacacgtc acgacaccga tcgattttct ttattcttag tgtgatgata 38580
ggtaagggca ctcgtagga tgtgcaatta tcattatcaa gcctttttca aggcgtagtg 38640
atgatcgttg ggcagaacc ccaggctcct agcgatctgg gaatagaagg aggagaacga 38700
ccccagggcc agaatgcca cagtgtacat ggcccaggct tccagaccga acgtggcggg 38760
tcgcagcttc agatggtagg ccaccgcctc cgagagttgt gaatgctcgt tcaggcaaca 38820
ggactgcaga tgggtgagtc caaaagcgt ttcgtttacg ccgcgcacgt gcaccgtctg 38880
ggccgggcaa tcctgggtgt gcgcgcgaaa atggtccagg caggagactc cgtctgcacg 38940
gcggcgagtg ttgttaccga cttcgatcaa cagcgtgtta acggcaagat gacgcgagaa 39000
cgcgacggcg gtgttggttg aggtctggcg gcagcagtac acgtcgagtg tcatgagggc 39060
catgtcgctt tgggtgtaca cggcgtagc ccaaccctgg aacacgagcg gacataacgg 39120
accgtgagcg gacgtcacgc cggcggttgt taccgtcgtc tcggcaggag aagataataa 39180
actcctgatc ctcatacaca ggagtccaag cgtcagaatt aaagtccgcg gagccacaac 39240
cgcgcaagtg aagccgatac gagtgttgct gaatttgctt 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	ggtggtaagt	cttttgccgc	39540
acgtagaaaag	ctttcaacgt	ggagcaaaaag	atgagaataa	agaccccaaa	aacgaaacaa	39600
accacgccga	tcatgccgat	gcagacgttc	atgtcgacgt	agccggcggt	gctgttggca	39660
gtgcggcaaa	agagtgtcat	gtcgtacgtg	cacaaaaaac	aacacacacc	acaggccagg	39720
tcgtagcgta	gttattattc	cgtagcagca	atgatagtac	agtcaagcac	atgctctatc	39780
cccgttacc	cgatgatgag	gaaacccccg	ttgttgtatt	ggcactgtcc	cgtttaatca	39840
ccacggtgaa	caccacggcc	aagaaaatga	tccctaatat	agcgaccact	aagagagcaa	39900
aagtccattt	ccagccgttg	tcaaagtacg	cccccggtg	gggatgcatg	gtggcgggca	39960
tttccatcat	atccatgtcg	aacgtgtgtc	gcggcgacgg	cgaactaacc	aggcagtacg	40020
ggggtcgata	gggcgggtgg	ctgcagtcgg	gtggtggcgg	cgggtggcgtg	gaaaccgtcg	40080
tcgggcacag	acccatggcc	tgctcgtagg	tggggggcgc	gtcgtcgtga	tcccggtcgc	40140
ggagcatcgg	cgtgggctcc	atgtcgggtg	cagtgcggc	gacggtggta	actgtgggtg	40200
agacggtacc	gacggcgtcc	gcggttcacc	ttcgagcaaa	gagccccttc	tttttgcgca	40260
aacgacggca	aaacagttct	ctgggacagc	cgggtggcgc	gtaagcgggt	gccacgcttt	40320
cagggtgggt	aaaacagtcg	cgggcaaagc	agtaattgtt	gcagaaccgc	aagaaccgga	40380
cgcgaaagaa	gcccaggagt	ccgcgcgcca	gaaagtgcgc	ctgccgcgtc	tcgggatgca	40440
cgccgaagac	ggcgccgctc	tcgttcacca	gtatggagat	gtccaggcgc	tgctgcgact	40500
ccaccggcac	ggcccgcacc	acaataacct	gcagcacgtt	cagcgagcac	gtctctttta	40560
accagttgcc	gtgggcccga	tcctcgtaag	tctggctccc	gttcaagacg	accgtcgtca	40620
gcgcctcatt	accgtctcgc	cagctgaaga	tggaaaccctc	gcgcttcatg	cacaggcgcc	40680
acagggccag	caggtcgcgc	gccaacatga	actcgcgacc	cacgtcgccg	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	agcggaaggt	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	cgcggaacg	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	accgtggtcg	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	aaaggttcct	cggtgagaaa	attctccacg	42060
gcgaacagac	cggtgcggct	ggccacgtac	aacagcgtgt	cgtgctccgt	aactatacgc	42120
aacgtgcacg	gcagtttggt	gacggcgcaa	ttgagcagcg	tctggtagaa	gttcttcacg	42180
tgcacgttga	tacgcattgt	tttcacgccg	tggaaactga	cgcggttatt	ggccgtgaat	42240
tccagctcgc	tgccgtttgt	caggatgaac	ttgatggccg	gcggaaccgc	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	gccgaaaggt	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	cgaagttttt	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 ggcttccgca 43260
ccacggtggg gaagtaacac tcacggttgg gcgggcacaa tgaccacacc gtctcctcct 43320
cgaacacggt gccgcgcgaa gcccatactg acggcgctcac gcccacaga tgcgccacct 43380
cgtcgtcggg acccaccgcc agaaactgac agttgcgcaa tccgaactcg agcatgtcgg 43440
cgcgacgagc ttcccagcgc gcgctggcga tggagagccg cggcaaccga tacaattcga 43500
aatgaattt gccctcttga tagatggtgc gttcgaacca ttcgcagcgt ggcaaaccg 43560
acttgcacaa 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 gctcaaatca 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 cggcgttaag 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 ccgtctcttc ggccagcttg ggtagatcct 44880

ccatgtgacg	cagcaca aaa	cggcgccacg	actcatcgca	cagctccgaa	gcgtaacaca	44940
gtggcgtgcg	gctttcgcgc	gccagttgg	ctttgaaata	aaagcgaccc	aacagcagat	45000
cgcaacgcgg	cgagtgcga	atcagacagg	gaccgtggcg	catgatgagc	tgaaacagcc	45060
tgaaactgcc	caaaccggca	ctgtgtcgcg	acacgggtgtc	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
gcacggcggg	accgctatca	cgcg tcaacg	acagcacaga	cggcgtgccg	tcgggagacg	45420
gcgactcggg	acgccaactg	acgacgcgc	caccactcgt	aaaaccgcgt	acacacgcta	45480
cgccgctcga	cacgttggt a	ttttcagcgg	acgcttcctt	gtcacccccg	ggcagcggcc	45540
cttcctcgag	ctcgctgtca	tctcccccg	tagtatcagc	gacggcctct	gccgacgatt	45600
cctccgtctc	gatttccgcg	ccgcggctcg	gaatcctacc	tggccggcac	cgatacacgg	45660
gcaccgagga	caccgcgtgt	tcctcg tccg	cgtcagccgg	agtcataagt	ttacgaggaa	45720
aagaacaaag	aaatcaggta	gatttcaata	aagtgtgtct	atatggcacc	gataactacg	45780
gtttataaag	tctgtgtgcg	ctgtgtttat	tttttcttct	gtgtctcctc	ctcg tatgct	45840
gtcagcgccg	ctcagacgaa	ttctcgaaaag	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
agggtctgcc	aatgtg cgat	gctggaggtg	agcacgtaga	tgccgggacg	tgtttcgggc	46140
ccgtcatagt	catagacgat	gattaaatac	acgtattgca	gccgtccccg	ggtctcttcc	46200
cacgtcaggt	acatgtcttt	cggtatcatc	aacgcgaaca	cctccgtttt	gagcgtgttg	46260
taaaggtagc	cgcgcatgac	gcaggtgagc	aacgagggtga	tgcccagcga	gacgg tcttg	46320
acgcagccca	gcgtctcgag	gcggcggtgc	agcagatgcg	ggcccaggtc	cagccactgc	46380
agcgcggcgc	gcgcggccga	ggccgtgtac	acgctttcga	gcaggcagcg	cgtgctggcc	46440
gagacgttgg	aggcgcgaat	gcctaacagg	tagaggctaa	tgtagaggtg	tcgcggcgag	46500
tcgcaacccg	tctccatgcg	gatgagcagc	gcgcccgggt	gcgcctcgaa	ctctaccagg	46560
ccctcggggca	cgaagaaaacg	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
gcggcgggcg	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	aggcgcggtga	cgccagcggc	47640
ctcatgtttc	ccattattag	cacgcgcatac	tccaccgtga	acctttacct	gtcgcccgaa	47700
cgtatgtttt	tccaccgggg	tctgatctcg	cgtctgttga	gtgaggaagt	ttcgccgcgc	47760
gccaacctag	acgcttacgc	gcgcgtgtgc	gatcgcggtgc	tggaagacca	cttgcatacg	47820
ccgcgacgcg	tgacgcggct	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	cggcgcgggc	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	gttgcccag	caggtgacgc	tgtaccagaa	cctggtctcc	48600
atttacaacc	tgaccacctt	tgtcaagcac	atcgacgccg	cggtttttta	gacggtacgc	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	cgcgccctct	ggaggacggc	48900
gtgacgggtg	acgtggaggt	acagggtcag	tacggactgc	gcgtacctac	cacgcgtttc	48960
gtagaacagt	tgcgcgaaact	ggttcgccgc	gatcggctgt	tggccgagaa	tctgcgcggc	49020
ttaaaccgag	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	ccgcggggac	ggcgcttgcg	49380
gcggcgcccg	aagcggatcg	cgcttacgc	gagttcttgg	aggcgccctg	ggaatcggcg	49440
ccccaacgcg	cgcgactccg	catgacgccc	gacaccgatc	acgaagaatc	gacggcaggc	49500
gcgacgtccg	taccggaggt	cctgggtgcg	cgctacgaac	ccgcacacct	ggccgcgagc	49560
gacctattaa	actggtacat	cgtccccgta	agccaggcgc	agcaggacat	cttgtcttcg	49620
atcgacccgc	ccgccggctc	gacatcggtg	tccctgccgc	cggcctcgcc	atgaaagtca	49680
cgcaggccag	ctgccaccag	ggcgacatcg	ctcgcttttg	agcgcgagcg	ggcaatcaat	49740
gcgtctgcaa	cggcacatg	ttcctacacg	ccttgcacct	gggtggaacg	agcgccgtcc	49800
tgcagaccga	ggcgctggac	gccatcatgg	aagagggcgc	gcgtctggac	gcgcggctag	49860
agcgcgagtt	gcaaaagaag	ctgcccgcg	gcgggcggct	gccggtctac	cgactgggcg	49920
acgaagtgcc	gcgccgcctg	gagtcgcggt	tcggccggac	cgtgcacgcg	ctctcgcggc	49980
ccttcaacgg	caccaccgag	acgtgcgacc	tggacggcta	catgtgtccg	ggcatctttg	50040
actttctgcg	gtacgcgcac	gcaaaccgc	gtcccaccta	cgtactcgtc	accgtcaact	50100
cgttggcgcg	cgccgtggtc	ttcaccgagg	accacatggt	ggtctttgat	ccgcacagct	50160
ccgcggaatg	tcacaacgcc	gccgtgtatc	actgcgaggg	tctccatcag	gtgctgatgg	50220
tgctcacggg	cttcggcggtg	cagctatcgc	ccgctttcta	ctatgaggcc	ctttttctct	50280

acatgctgga tgtggcgacc gtgtcagagg ctgagatcgc cgcacgtttg gtctccacct 50340
 atcgcgaccg cgatatcgac ctcaccggcg tcgttcgaga aagcgcggac acggcggcga 50400
 caacgaccac cgcgcgacct tccttacctc cgctgcccga ccccatcgtc gaccggggt 50460
 gccctcctgg cgtggcgccc agcattcccg tctacgatcc ctcgtcctca cccaaaaaa 50520
 cacccgagaa acgcccgaag gacctcagcg gtagcaaaca cggaggcaaa aagaaacccc 50580
 cgtccacgac gtccaaaaca ctggccaccg cctcctcctc ctcagcgata gcggcggcct 50640
 cttcttcgtc cgcggtacca ccgtcctaca gctgcggcga agggggccctg ccggccctgg 50700
 gccgctacca acagctggtc gacgaggtag agcaggagtt gaaggctctg acgctgccgc 50760
 cgttgccctgc caacaccagc gcctggacgt tgcacgcggc gggtagcgaa agcggcgcta 50820
 acgcggcaac ggccacggcg ccgtccttcg acgaagcttt cctcaccgat cgtctccagc 50880
 agtcatcat 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 atgcaagtgc 51120
 tcttcgatcc ctacggacgt cagcacggcc cggcgctcat cgcctgggtg gaggagatgc 51180
 tacgctacgt ggaaagcaag cccactaacg aactgtctca acgactgcaa cgtttcgtaa 51240
 ccaagcgacc gatgcccgtt agtgacagct tcgtctgcct gcgaccgta gactttcagc 51300
 gtctgacgca ggtcatcgaa cagcgacgtc ggggtgttgca acgtcaacgc gaggagtacc 51360
 acggcgttta cgagcacttg gccggcctca tcaccagcat cgacattcac gacctagacg 51420
 ccagcgatct gaaccgacgc gaaattctga aagcgctgca gccgttggac 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	gcgagatgg	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	caccgcacc	52980
gagaagcggc	tatgcaaacc	caagcctcgc	taaaccactt	ggaccaaatt	ttgggtccgc	53040
aacttctgat	ccatgagacg	cagcaggccc	tgcaacacgc	cgtccatcaa	gcgagttca	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	cagcagcccg	ttttcaaaac	gctgctagat	cagcaggccg	53400
acgcggcccc	gaaagcgctc	agcgacgagg	ccgatctgct	gaatcagaaa	gtacagacgc	53460
agttgcgaca	acgcgacgag	cagctgagca	cggcgagaaa	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	tgacacagcat	caagaggcga	ctgccaacgg	cgcgtccacg	ccgcgggtcg	53880

acatggtcca	ggcgggtggaa	gcgatctggc	agcgactgga	acccggacgc	gtagccggcg	53940
gcgcccgcgcg	tcatcaaaaa	gtgcaggaac	tgttgacagcg	cttgggtcag	acgctaggcg	54000
acctagaact	gcaggaaacg	ttggcgacgg	aatactttgc	gctgttacac	ggcatccaga	54060
ccttcagcta	cgggctggac	tttcggtcgc	agttggaaaa	gatccgcgat	ctgcggactc	54120
gtttttgcgga	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
ttgaagtggg	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	cggccgcgga	tcgcgtaggc	agcggcgaag	54840
gtggtgacgt	aggggaacag	agaccggggc	gcggcaccgt	gctgcgtctg	agtctccaag	54900
agttttgtgt	actcatagca	gctctgtacc	ccgagtacat	ctacaccgtc	ctcaagtacc	54960
cgggtgcagat	gtcgttacc	tcctcacag	ctcacctaca	tcaggatgta	atacacgcgg	55020
tagtcaataa	cacacacaaa	atgccccccg	accacctccc	cgaacaggtc	aaggctttct	55080
gtatcacccc	caccaatgg	cccgccatgc	agctcaataa	actgttttgg	gaaaataaac	55140
tgggtgcagca	actgtgccag	gtaggcccgc	aaaaaagcac	accatcccta	ggcaagctat	55200
ggctctacgc	catggccacg	ctggtctttc	cacaagacat	gctgcagtgt	ctgtggctag	55260
aactgaaacc	ccagtacgcc	gagacctacg	cctcgggtgtc	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	cctccgcac	caacgctccc	gggacctcaa	tctcagtcaa	ctgctccagg	55680

acacgtggac	cgaaacgccg	ctggagcact	gctggctaca	agcccaaatc	agacggctac	55740
gcgattacct	gcgtttcccc	acccgcttag	agttttattcc	cctagtcatt	tacaacgcac	55800
aggaccacac	cgttgtagcg	gtgctgcgac	cgcctccac	gttcgaacag	gaccacagtc	55860
ggctggtggt	ggacgaggcc	ttccccacct	tcccgtgta	tgaccaagat	gataacacat	55920
ccgcggacaa	cgtcactgcg	tctggcgccg	ctccaacacc	gccggtacct	ttcaaccgcg	55980
taccagtcaa	tattcagttt	ctgcgtgaaa	acccgccacc	catcgcacga	gttcagcaac	56040
cgcgcgccc	acatcgtcac	cgagcggccg	cggccgcaga	cgacgacgga	cagatacatc	56100
acgtacaaga	cgatacatca	aggacagccg	actctgcatt	agtctccacc	gcctttggcg	56160
ggtccgtctt	tcaagaaaac	cggctgggag	aaacaccact	atgtcgagat	gaacttgtgg	56220
ccgtggcacc	cggcgccgcc	agcaccagtt	tcgcctcgcc	gcctatcacg	gtgctcacgc	56280
agaacgtcct	cagtgtctta	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	ggcgcacttg	tcgttaaaca	56580
gactggacat	gcgcgtatac	ttgctcagca	tggtggccag	taccgggtgg	gtggcctctg	56640
agatctcgg	cggcaactcc	aaaacgacgt	tgacgacgtg	acggtgtttt	tcgtcccgt	56700
tggtggccac	cgtgggtccc	ggcgcggtgt	tagacatggg	gcaggccgtg	gggggaggac	56760
gaggaggaaa	tcgctgctaa	accgccgcgc	gcctgctgca	caatgtggcc	gccgacgtgg	56820
caggcggtct	gtttaaccag	cgcgcagccc	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	cgcagcgtg	tccaaagagc	57120
gtctcggaga	cgagctcgta	gacgcgctgc	cgcaccaccc	gctgactgcc	gcagagcgag	57180
cagtgtacga	gctcggcgtg	cgtgttgaag	atgacgtctt	tttcttgacg	gtcccgataa	57240
tagaacatcg	agttgagcgg	aaaattttgc	tggcagtgta	gcttttctt	accaggttg	57300
aggcagtgtc	cgcactgccg	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
gtctcgctgt	gcagaccag	tgcccgaac	ggcaccaggt	atcgcgga	cgtgtcgcaa	57600
aacgtctgca	ccgcttgctg	ggccagtacg	tagagcgggt	ttccgcaggg	taccttccc	57660
gcgtgccggc	gcaaggctgc	gatgaggccc	cgcagctgcg	gcgaccgcgg	ctgccgttgg	57720
tgacaccact	ggttacggtg	gtatacggcc	aaatcagcgc	gggcgtcgaa	gcgcttggcg	57780
cgtagtagtg	ctaggcacgg	cgagctgggt	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
cggtcgccc	gctcgcgatt	caaaaagcgc	ttatccgtca	cgaagagatg	aaggacgcaa	58200
gaacgtggca	cgtgatgcac	cagctgctgc	tggaggaccg	ccgacgtctg	cgccgcaa	58260
tgcgccggtg	gctgcgacgt	ttctaccgcc	gcttctccg	gctgcagcgc	accgcggccg	58320
atcaccagct	gcacatggaa	atggtcctcg	tgaacgcaga	ggggcgcgaa	gagacggcac	58380
agagcctgg	ggaactcatc	agtcgcgggt	tgcgagcgt	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	gcccgcggct	gccgctgccg	ccttcccttc	58740
tcccgccaga	gccagcaact	cctcctcctc	ttcatcagcg	tctccctcgc	ttgcgcatcc	58800
gcacgtccc	atacaggcct	cacaacgaca	caaccgccac	gaccccgccg	ccatgggtgg	58860
cggcgggcgg	cgaggcccg	cagcggcgcc	gccagcggcg	accatgggtg	gagagcaact	58920
cggatgacga	ggaggaggag	gaggaggagg	gggagatgcg	ctccgagagg	accgctttcc	58980
cgccgttcgc	gtgagcgcg	ccgacatgcg	ggcgcgccac	agggacggac	cgtgccgct	59040
gtgactgctt	acggtgacgt	ggttccggac	cgccaacgac	gtcgacgcgg	ctttcttggc	59100
gtacagctcg	cgcagcagat	tctcgtactc	gccctcgttt	tcgggtccga	aggcgataag	59160
ctcgatgttg	aagaccgacg	ctgaattgga	tttgcgacc	acgcacttcg	tcagcactcc	59220
gtaggccgag	ggcttgatct	cctcgatgtc	cttgagcgtg	acgatgagcg	actcgttcac	59280

cttaagcaca ttgaactcac ctacgtggcg cgccggcgaa acgagcttga cgggcgctcg 59340
 cacaaaacag cagagggaga cggcgagcc agtgttttta aagataaaac aaggcacgtg 59400
 gtctgtgagg ctctcccagt agctgagcag atactcgaca caatagaccg tgtctgtctt 59460
 gagcatggcg tcgcacaccg agtaattggg gtttttacag atgaggcccg catcggtgac 59520
 gcgcagctcg ctgggaccca acttgaggat acgccgctg gcctgcacca gatcctgatg 59580
 gagaaccttg ttcattctcca tcgcaccgac gccaccgccg atttatttac ccggcgcccg 59640
 ctcgctctttt ccctccagga ttccgttaat gtccataagc ttgctgacga tcgccgttaa 59700
 tagttgcgtc ttctcacgga ggatctctcc gtgactgcag gtcgcgcagt cgccgtgcac 59760
 gtacttgagg aaggcggcgt acttctgacc cgcgttcacg aaatttaagc gcgcgtccag 59820
 agagggcagc aacagatcgt agacgcgcgg cagcatcggc tcgaactgta atagcagatc 59880
 gtcgtcaaga tcgggtagcg cgtgtccgtc ttcaccgtcc tcgtcgtcac cacctcccc 59940
 ctcgagccca ccgctcgtag cagccgcggg ctccgcgtcc tcgtcgatca ccagcggtcg 60000
 cgtcggcacc ggagaatcca cgtcatcctg cacgtcgttt tctcctctc cgtcgtcatc 60060
 gtccagaaac ggcaccgcgt gcttagtcca ggacattctt tctcgcgtc ctcaatcagc 60120
 ggcgcggatc gccatgaatc cgagtaccca cgtgagcagt aacggcccaa cgactcccc 60180
 tcacggggccc cacaccacgt ttcttcccc gaccagcccg gcccgcgtcca ccagctccgt 60240
 cgccgcgct accttggtgca gtccgcaacg acaggccgtt tcgcgttaca gcggctggag 60300
 caccgagtac acccagtggc actcggactt gacaactgag ctgctatggc acgcgcaccc 60360
 gcgtcaagta cctatggacg aagcgtggc cgccgcggcg gccgcctcat accaggtgaa 60420
 tcctcaacac cccgccaaac gttaccgtca ttacgaattc cagacgctca gcctcggcac 60480
 ctcgaggagta gacgaactgc tcaactgctg tgcggaagaa accacgtgcg gcggcacgca 60540
 atccaccgta ctaccaatg cgaccaacac cactagctgc ggcggagccg tcgccggcag 60600
 tagtaacgca ggaccgcggc gcgcttcggc cgctgcgac ctagatgcag aactggcccg 60660
 cctcgaaacc tcggcgggcg actttgaaca actgcggcga ctgtgcgcgc cgctggccat 60720
 cgacacgcgc tgtaacctat gcgccatcat cagcatctgc ctcaaacagg actgcgacca 60780
 gagctggctc ctcgagtaca gcttgctgtg cttcaaattg agttacgcgc cccgtgcggc 60840
 gctcagcacg ctcatcatca tgtccgagtt tacgcatctg ctgcagcagc acttttccga 60900
 tctgcgcacg gacgacctgt tccgacacca cgttctcacg gtcttcgatt tccacctgca 60960
 ctttttcata aatcgttgct ttgaaaaaca agtgggcgac gcggttgata acgagaatgt 61020
 caccctaaac catctagccg tgggtgcgggc catggtcatg ggcgaagaca cgggtgcctta 61080

caacaagcct	cggcgccacc	cgcaacagaa	gcaaaaaaac	aacccttatc	acgtcgaagt	61140
gccacaagaa	ctgatcgaca	acttttctaga	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
gctgggtattg	gccgacctgt	tgcgcgaatg	cacgtcgccg	ctcggcgcg	cgcacgagga	61680
cgtggcgcg	tgtggactcg	aagcgccac	ctcgcccga	ggcgactcgg	actatcacgg	61740
cctgagcggc	gtcgacggcg	cactggcgcg	acccgacccg	gtattttgcc	acgtcctgcg	61800
tcaggcgggc	gtcacgggca	tctacaagca	ctttttctgt	gaccgcgagt	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
cgcgggccga	cgcgcgcccc	cgcttcacgc	tgcacgacct	gcacgacatc	ttccgcgagc	62340
accccgaact	agagctcaag	tacctcaaca	tgatgaagat	ggccatcacg	ggcaaagagt	62400
ccatctgctt	acccttcaat	ttccactcgc	accggcagca	cacctgcctc	gacatctcgc	62460
cgtacggcaa	cgagcaggtc	tcgcgcacgc	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
cgtcacaac	cgtgcgcgac	cacgtcggtta	tcagcgtgct	gtgtcacgcc	gtctcggcca	62880

gcagcgtcaa gatcgacgtg actatatttgc aacgcaagat tgacgagatg gacattccca 62940
acgacgtgag cgagtccttt gagcgctaca aagagctcat tcaggagctg tgtcagtcca 63000
gcggaacaaa cctatacgag gaggccacgt cgtcctacgc gatacgggtct cccttaaccg 63060
cgtcgccgtt gcacgtagtt tccaccaacg gctgcggtccc ctctctctcg tcccagtcca 63120
cgccgcctca tctccaccgg ccgtcgcagg cgacgcagcc ccaccactac tctcaccacc 63180
agtctcagtc tcagcagcat catcacctgc cccagtcacc accgcccggc ctgtttctca 63240
acagcattcg tgcgccttga cactgtacgg cagaaaagcc ggctccaagt gcaagcgccg 63300
cggcagcacc atgtgcaaaa acttgtcctt gcgcgcagtt tcgcccggcg gaaagacggg 63360
cgacagcacg ttggttacag ccttgagaac ctgctcaaag tacttgtcgg cgtgaatggg 63420
cacgccgtgc tcgcgcacgt agctcggatc ttcggtctacc tcgtagttgc acacgaccga 63480
cggtggtttc cgccctctct tctttgcccg ctctctctct ctctgttgc tctctctac 63540
cccgcggcg tcagcgtcgt cgtccgtgcc atcaatcgcg tccgaccggg aaaccacgcc 63600
ggtggttaca gaatcacctg tgtcggagga accctgcggc gccgtccgga caccgggccc 63660
cgtcaggacg taaaagaccc gatccccgac cgagggtagc tcctcagaac gggccgccag 63720
tcgcttaatg acggcaatgt gcggcaagtt agattgacgg tacaacgaga tgtccttaga 63780
aagcacccgac gaaagcacca ggtcctcgac acgcacacgg tgcaggtaca gatcgtcgcg 63840
agcctgcacc agacggcgca agatacgcca gaaaccgct ggacgcggc atttcttgac 63900
ttcatcgagt gagaggcgcg acaggcgcac ggctgcttcc gagacctcgc gatcctcaaa 63960
gagcagcgag aggacgtcac gcgtgacgcc cttgacgaac tcgcaagccg tcttgcgcac 64020
caaatccacg cccttcatgc tcaggcccga ggccctctcc actttgccga tgtaacgttt 64080
cttgacagatc atcataagag agacgaagac cttttcaaac tccagcttga cgggctccac 64140
aaaaagacag gccgtcacgt agtgcgccag gctgggcccga cgccgaccca gagcctgcgg 64200
cgtcaggcca cgaaagcgga caaacacgt gtccgtgtcc ccgtagatga cccgcgcctc 64260
caccgcggcgt tcgtccgagc ccctgacga tgtttcgagc ccctccggta acgtgctgct 64320
ctctccgaa tccccctccc gcgttccac tacatagtct tcctgattaa aaaaattgtg 64380
caaaaaacac ggctctgaaa agttgtcttt gatgaaccgc gccgtgcgct ctagcatgtc 64440
gcgaccgatg cgctgatgc tggcggcgat gggcagacac ggcatcatgc cgttgaccac 64500
gcctgtaaaa ccgtagaaaag cgttacacgt tactttgagt gccatctgtt ccttgctgag 64560
cagcatacgg cgcacggggc cttgacactc gcgcatgcat tcgcgcacgg cacggcgctg 64620
cgaaaccac ttgttgagca gttccgaaag caccgagacg cgaccggaag cacgcacaaa 64680

gcggtgagtc	acgccgttct	ctagcgtgac	gctgtataca	tcggcggggt	ccacggggta	64740
ctcgccaccc	ggcaccagca	gggtggagta	gcaaagggtt	tgagccatga	tgatggaagg	64800
atagaggctg	gcaaagtcaa	acacggccac	ggggtcgttg	taataacca	cctcgggctc	64860
aaacacogtg	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	ggtcacccct	gcgttgccgc	aggtaaagct	cgcccatagt	65460
gttgagctta	tagttgggcg	agttagtctt	ggccatgcat	acgggggtaca	tgctgataac	65520
caccgaaccc	gcaatataca	ccttggtggc	ggccgtgctg	gccggattgt	tgtgagaagc	65580
cgagggaaag	gcggcggcgt	actgccgctt	aaaaccacg	gcggggctgt	gtaaaaagaa	65640
acggccgccc	tgccgcgtag	gcaacttgca	gaagcgctgc	gagtcacact	tatacaggta	65700
ctcgaggcgc	gtgaggatgt	acttcaagtc	aaaagagttg	atgttgtaac	cggtcacaaa	65760
ggccggcgcg	taccgttgaa	agaaaagcat	aaagcccagc	agcagctcgt	attcggaagg	65820
gaactcgtag	acgtccacgt	ctgggcccac	ctgcccgcag	gtgccgatcg	tgaagagatg	65880
aagacccgag	tgcccaaaga	tcacaccctc	cgaagtgcag	ccccggccat	cggtcccgtt	65940
tgggatcccc	tgatccacgg	cggtgtttcc	ccccgtctcg	tagcacacgc	acgagatctg	66000
aatgacaatg	tcacggact	tctcggcgca	gggaaaacca	ccctcgccgc	tcacgacctc	66060
gatatcgaag	gacaggcatc	gatagcgcg	ccacgagctg	tcgtcgggca	cgccaccag	66120
gtcagagaca	tcgcagtcga	cctcgatata	acaagtcgac	gcgcgaccct	gctgccgcca	66180
gtcgtaacga	ttcacggagc	accagccgaa	cgtggtgatc	cgccgatcga	tgaccaaacg	66240
cgtcagcgga	tccacacgga	cctcgtagac	gggaaaaccc	tgctccagca	gatactcgcc	66300
gatttttctg	gccatggtcc	agttgctgat	agacacacac	tgcaaatacg	gcacgggtcg	66360
cgccccgtac	ccgtagatcg	aggttttggg	ggccggcggt	acagacacgg	cgatatggcg	66420
ccgcgggttc	ggcactagtt	cgccacgcgt	ggcaatgacc	tcacgcagcc	tatcggtgtc	66480

gctgtactca cagtaaaagt agctgcgctg cccgaaaacg ttgacgcaga tactgtagcc 66540
gtgttctgtg 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 tcaacttttt 67080
tgtctgtttt tttttcttc tcctggttca gacgttctct tcttcgtcag agtctttcaa 67140
gtgtcggtag ccgtttttgc gatgtcgagc tcggtctagt aggttgggct tctgtccctt 67200
gtcctgcgtg ccagtctgtc cgtccaaaga atctgtaccg ttctgctgcg ctgctgctc 67260
tgcgccaga cgggccaggg ccagaagcat ctggtaagcc tgctcgttgg tgtaaggcgg 67320
agccgccgtg gatgcatcag acgacggtgg tcccggtcct ttgcgaccag aattataaac 67380
actttcctcg taggaaggcg gagcctgtaa cgacgtgtct ttggtgctgc ccgacgtcac 67440
gggtggtcccg tcggcggaca ccagataggg aaagagggtc tgcagcggct gcgtgcacaa 67500
acgccgctgt cgagtataga tcaaataagt gataatgact acggctatgg ccacgaggat 67560
gatggtgaac gctccgaagg ggtttttgag gaagggtgca acgccttcga ccacggaggc 67620
caccgcgcca cccacggccc caatggctac gccaacggcc tttcccgcgg cggccaggcc 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 ttgaagagggt agtccacgta ctcgtaggcc gagttcccgg cgatgaagat 67980
cttgaggctg ggaagctgac attcctcagt gcggtggttg cccaacagga tttcgttgctc 68040
ctgccccagt tgaccgtact gcacgtacga gctgttggcg aaattaaaga tgaccacggg 68100
tcgtgagtag cagcgtcctg gcgactcctt cacgttcata tcacgcagca ccttgacgct 68160
ggtttggttg atggtcacgc agctggccag gcccaagaca 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	gccaggtgct	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	ctgccagca	gataagtgg	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
cttgagggta	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
gggccaaatc	cagcagcgat	gaggcgcgtc	gtggtctctt	gcgtgttgcg	cggaccctcc	69900
gggaaacgcc	cgcggtcgag	gaggaggggt	acggacttgg	cagccaaagt	cggctccggct	69960
ccctgaaggc	acccgagacg	gccgcggcgg	ccgtcagggt	ggagggcttg	gccacgggag	70020
ctgttggcac	gtcgccactc	tcatccggtc	tggacagatg	cctgtagagg	aggagatata	70080

gatcttttga	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	cgcgcatattg	accaaactcg	70380
ccttgacgtg	gggtagtacg	cccgcgttgt	cgcaggcata	ggccatgtcc	acattgtgag	70440
agaggggata	gcgatcggta	cagtgtgtga	agagggggcc	gttacacaac	tcgtagatct	70500
gctgaccag	tagcgggagg	gattccacag	gcagactctt	gtggatcagg	ttattgacca	70560
catacaggtg	ctcatcgtag	gtgaactgat	ccccacgtc	caccacgtct	tgatcctgg	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	gttgcgccac	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	gtcgatgata	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	ctcagcgcct	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	gctcctccgc	ctcgggcgac	gggggctcgg	agatgaccgg	ctgtgtctga	72600
cactcctccc	cttcctcagg	cggcccgggc	gccgacgcga	atgtcggagt	ttgccagcgc	72660
ggcggcggtc	tctgtctctg	gtgccgcggc	gctaattctc	ggggctggtg	ctgctgttga	72720
tgatgcgacg	ccgtctgtcg	ccgtctgttc	ggcggttagct	gatacgggtg	cgcttgggtc	72780
tgctgtgtcg	gtggctgctg	ttgctgctgt	tgttgcggtc	tgaaaagcgg	ccacgggggc	72840
tgcgactgtt	gctgctggtg	ttgcgatgct	cgtgactgcg	gcggccggtg	tcgcggcggt	72900
tgctggcggt	tacaaccggc	tgcgtttggc	cggcaataac	ccgctgcccc	cgccgcccc	72960
gctgctcccc	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	aaaagtcctc	cacgccctgc	tcctgcaacg	cggcaaactt	73260
gtccatcagc	gacgcggcca	gcgcctcgca	gccatccacg	aagaagagca	catcgtcgga	73320
cgcggggatc	tcctcgcgca	cgctcagaat	ctcgtaacgc	gccatcactt	cggggtcgca	73380
atccaagttc	tcggcgtcca	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	aagcgcgtcg	ttaacccgtg	73860
cagcgagcca	atgtagtctt	tgaagccgta	gtagcagagg	aatttgttat	ggaaacggct	73920
ttccacgtaa	ctcagcacac	agtctggcgc	cacatccagc	agatcgtgct	cctgatagtc	73980
agccgtcaca	gccaccagaa	atttgacgaa	agcattgaac	tcgcccattgt	cacctatggg	74040
cacattcttg	ggcaacgcgt	tggaacagac	cttctgccaa	aactgtaagc	aggggagacc	74100
acattcagga	aagagtcgct	cgtgatgtcg	atacagcaga	aatcccaagc	agcccttagc	74160
cggattacga	cgcggaacgt	gatcgcggcg	aaaaaacacg	ctaccgcgct	tgcccttgcc	74220
cgcgcggtag	atgggtcggt	ttttcacccg	caccatgatc	aacgtgggta	ccgacagccg	74280
cgagagcttg	atctccatgg	gcaccacggc	gtacgtaccc	tgcgcgtaaca	gcctaaagtc	74340
cagcaggcgg	tcgtgatccg	aattcttgga	cgacttgatc	tgcttggtga	agagaaagcc	74400
cttgcgcgac	gacgtggtgg	agaacgcgcc	gtgaatggat	tgaaaatgct	gcgtcatcca	74460
tttgataacc	aagttggtgg	tcaacggatt	gtccacaatg	tatgaggtag	cggtataaag	74520
cgccacgttc	tggtatcacgt	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	acgggggtcga	tgagccgcat	cttgcggcag	taatccaaga	tgcgattgag	74820
ccgataggta	cgggtccacac	tagcgcccag	catgcgaccg	ccgcgccccca	tcattccccc	74880
ggaatccccg	ccacccccac	caccacgacc	gccgcccaga	ccgtcgctcg	ggcccccgct	74940
cacgtctcgt	ccaccacccc	cgccagcacc	gccgcccgga	accccgtcgt	cacctttgcc	75000
gtccaaaccc	ccgtccttgg	cgtcgacgtt	gtaacgccga	ccgaagctgc	ccaaaatatc	75060
cacgtcgttg	agaaaacgcg	actgcacggt	gatcacgcag	ggctccttct	tgggctgctt	75120
gggcaccacg	ggcaagcggg	tgcgaccccg	cacgaaggcc	gtctgataac	acgtgtggca	75180
acaagtaccc	ccacaggcct	cgcacagccc	cgcggcgcag	cccaccaggt	gattcgtgag	75240
cgtcgacgaa	cccgacaagc	ccgtgttata	caccgagaca	cgatttagat	accagacgaa	75300
gcccgaacct	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 gtgatcggtt 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
 ttccggcgtca agctgcagcg aattaaagag cgtaggcggg tacaacggca cgcgcaccgc 76080
 ctcgccgccc tgacgtcgca ccgtggtcgc ctctccacg catggaatca gctgaccggc 76140
 aaagagaaac tccttcaagc cgttgcccac caccacgtgc acagtcgtct cggacgcctg 76200
 acagcccact gccgcgcaca acgcccagc atcggtaggc acgcgatccg cctcgggctg 76260
 gtaggcctcc aacgcgtact tctggcgggc gtctcgcac agccgatgca cgtctccgtg 76320
 atcctcggta aaagccacga tgccttgcgt atgatgaaag tagagcgcaa aaggacaaaa 76380
 ggacgtgact ttcgtgagca ccccgccgtc gtaacaaagc acaggcgtgc gcacagagac 76440
 gccgaaatcc gcctccaccg tgagccccgc caacagagga gcgatcacca cgctcgagga 76500
 acggtcgcat agcgagagag tggccagaat ctctcgcgtt tctgcgttca acctgctgaa 76560
 gtagagaaaa gccgcgggccc ccaccggcgc tagcgcgggtt agttcctcgt ggctcatggt 76620
 ggatgaacgg aagacaatgg ctacgccgcc actgagtga ttttatacca aggaaaagtt 76680
 cagcacgtca tgtttgacgc acgacgtctg atacaccacc gtggccacca ctgcgggtctg 76740
 gctgcgggtg 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 gtgttttctaa atcacaaaga accgcctgac gggtttacaag cagaaacacc 77220
 gcaccacggt ggtacaagcg cggtaggatct 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	cggtgcccgg	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	cctgggtcaat	gagcgccatc	tggtgtcggc	ataagaacag	gcatcaaccc	77940
cgtggccggc	gaggcgggtga	gcacttttgt	tggtcacgtg	accatccgcg	caggaagcga	78000
ggcccgtaga	accgcccgaag	aggcgggtgcc	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	acgctactcc	cggatacgcg	78360
tcataagcta	ctggacccta	gggggggagt	gtctacaggg	ctacgtgcac	gcccccttac	78420
ttagggatatc	cgcccccttc	ctctgttttg	gcctagtaaa	cttaacgccg	ccgcttctca	78480
cgtgaccctt	gacaagccta	cgtcacactc	gcgtgaccac	accactccg	gatatacgtc	78540
atcccgtgga	ttccggacat	acggtgacgt	agcgagcgta	gcgagctacg	tcacgtatgc	78600
atgcgtcatc	tccggcgga	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	cccgggtgcgc	atgcgcgggc	cagggcccgc	gggaggggtc	79080

ccctgcgcat	gcgccggtaa	aattccagt	tgtgtgtcgt	gcgcatgcgc	cagtattttt	79140
ccactagagg	cagtcagtgc	gcatgcgtcg	gtaaaattcc	actagatgtg	cgccgtgcgc	79200
atgcgccggt	atttttccac	tgggcggccg	cacctaggga	gcgcgagccc	cgtgccgggc	79260
atgggccgcg	gcggtggaaa	attaccgctc	cgcccaccta	ggcggggcat	ctgaaaacct	79320
ataaaacccg	gcgtgcccgc	cgccccccgg	cgcagtccgc	ggcaggggtc	cggccgtgct	79380
gcggtccgca	cgctgcgccc	gctcccgcct	gcctcccgcc	ctacccccca	ccctccccgg	79440
ccgaggcccc	gcgccggtcc	gtccgcgggc	ccgtcccacc	gccctggagc	accatccggg	79500
gccgtgggcc	gggcaccggg	cgcgccccgc	tccggacctc	ggccgggggt	ccctcccctc	79560
cccccgctcg	accccccatc	cgacggcccc	gccgggctgg	gacccccgca	ccgggggtccc	79620
ggttcccgtc	cgcggccccg	ggggaccgga	gcgggggctt	cccacccccca	ccccgctcct	79680
ccccgggctc	cgggccggga	tccctcgctg	ctcccggcga	cctccgcccg	cttcccggtc	79740
caccgcgccg	ggaacggacg	ggaccggggg	tccgcgcctt	tcccctcccc	ccacgggggg	79800
ctgggtcgcg	gaccccggtt	cctaggctcg	ttccgcgggt	ggcgaccggg	gatccccac	79860
ccagctcccc	ttcccggccc	gccccgctgg	cttttggggc	cctccgggct	ttttttttcc	79920
ggctgggtgt	cgcggcggtc	ggccgacgac	gacggtaggt	gggcgggggtg	gacggtggtg	79980
gggacggggc	acgccccggc	tcgacggcag	tcggtcccgg	aaggttgggg	gctggggggc	80040
cggtcaggag	cttcgggagc	ggggtcgacc	gcgacggctt	ccgggtctcg	cggcggctcc	80100
ctctcggcgg	ctccggttgg	gtccccctcc	cccctctcga	gggtccggcc	gccagtcgtg	80160
accgggggtc	cctcggccta	gccgcgggct	ctcggtccgc	cttatcctgg	gcgttgggcg	80220
gtcccgtgac	gtccccctcc	ccactgctc	ccaaaaaaa	ctccgcccga	accgtcgcgg	80280
cttgctggcc	ctgggcgtgg	tccccactc	ccctcccccc	atcggccgcc	cagccgggggt	80340
cggcgcctcg	gaccccacca	ggctgtggcg	tgtgtgctgg	ccgatgcggc	ggcgagggtg	80400
gggtgtggcc	gaagcgctcg	gggtcgacgg	tgggccgcca	tgacacctca	attgccgtca	80460
gtacgccctt	ccacaatcac	cgtccccaca	cgatgggccc	ggcaggtcac	ccaacgttgg	80520
ttcaggccca	gtcgagtttt	tccccggcac	gaacgcacgt	ccccgtgggc	tccacgcggt	80580
ttccaccctt	tcttgagggg	gtccggaaca	ccgtgaatcc	acggggaggg	tcccggcacg	80640
ggccgaggag	accacgaccg	tcccaccggg	cgtgtcgact	cgtccgagac	ccgggaaggg	80700
aacaggcccc	accatttttt	ttttcccttc	tccgatttgc	cgtggaaaac	ccgtgaaccg	80760
atacgggtac	agacggccga	aaaaaaaaatt	cgagacaata	cgacggcagg	gcgtgatttt	80820
ctcccccatc	cgacaaaacc	gtgtccctca	aaattcccca	cctttctctg	ctcaaatggc	80880

cccgaaactg 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 tctgttttct gccctgaggg ctaacggtcg 81300
 ctgacgtcaa accatctcgt gctcgctgag tcacatccgg ttgttgacaa gcgatggagg 81360
 accgcacca aagtgcgccc tctagtcacg gcgcctgacc ccttttataa actgctcgaa 81420
 gaaaagaaca ctttatgtga aaaaatacag aatgatgaca agttcatcca acacaaccgc 81480
 tcaacaacgc catatctatc agtgtccaaa aactatcttc taccctttga 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
 ccgatcccg ctcgggtagg cgatttgcac ctggttggtg aaaagctcat aagtctgtat 81840
 gtgacctata tatatattat acgctatgta caccgaactg tcgctgttgt ataagaagaa 81900
 aaaactctcc atattttatat cgtctgaatt tttgcttgat agacacgtgt ttggaactct 81960
 gtccccccac gttttcactg tgtataacaa aaatatgtgt ttctcaaaag atcttgaggt 82020
 gtttgaaaac gggggaaacc tgcgtttggg tgcgctaagc cccggactgg gacgtagccg 82080
 gcgtccggca cctatatattt tctatttttt tacaaaatat atgatgaacc aagaataaaa 82140
 ctctagctct cgtctatttt taatatgctc tacttagaac ctttttaatg acagaatgaa 82200
 ctccatgtta tacgctcttt atatagtttc tctgcactaa cttttaaaac cgtatccttc 82260
 cctgttgtag aaatcatctt ttgatacaca atgatgacct gatatccctc catatatatg 82320
 atcggatatt attccgtag acttgctctc cttttttttc ctcatctcct atatctggag 82380
 atatatgttg accaccaccg ccatgaccac caaaaagcta gccgtcacga ctagaaatgt 82440
 gtaggattcg gactttccgt tcgagaagaa agagaccgcg tctctggacg ctctttttgt 82500
 cggctctgaat cgaccgggga tacgtaagag agcggcccta catcgggggg cgctcgagac 82560
 cgacgacgtt ccatctgacc agaaaaaaaa aaggcacccc tcggtagcga cctctcacca 82620
 tcgtttgccc gtccgcccgt ccttcgtagc catcatcatc atctcaggct ctatcggtac 82680

catcgttgtc	atctgaaaaa	aaaaactgcc	tcacccacct	gcgtaaaaac	accatctttc	82740
cggaggtgcg	gtaagacggg	caaatacggg	cgtgccgagg	caaaaaaaaa	cgcaccatcg	82800
acaccacacc	ctcatgagca	ccacctgtcg	gtgttggtcg	tcctccatcg	ttctctacga	82860
acatctcgac	gcccgggtga	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
aggtagtaaa	tgaacaaact	agatgatgct	ataaccttat	attgtgtgta	tatagatagg	83460
tgtgaaattt	gtaggataaa	aagtgtcggt	gtatgatgca	caacgatcgt	gaaactggag	83520
actgtagctc	tctaccgaat	gcaaatacac	aatgacatc	gattcccgtc	cccacataaa	83580
gaaatgtgct	ttactgtgaa	agaatgaaga	agattcttgt	tcctcgtacg	acggggccct	83640
cgctcgtcgt	gcctcttccc	ccctccggga	gaggggacgt	cggggccctc	cgtcgcaccg	83700
ggccgaagcc	agtgaatgt	ttactacact	gtcatcagaa	tatatgatgt	atattatttc	83760
ctccaaactc	ctcaccatag	ccaccaattc	gcatcactta	agaaagtagt	agcaaccgcg	83820
gcggcggcga	cgggccggtc	gtcgtctcct	cgtcctcaaa	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	ctggaaaacga	cacacgttcc	cccccaatct	tgggcatgtg	tatatataaa	84180
gaatgggagg	gagaggacgt	ggggctcgag	aagaaataaa	cgccaagctc	gattcgaacc	84240
aaaaaaccac	atgtgtattg	tgctttgttt	ttttttttac	ggtgggggaa	aaggaggggg	84300
ccgtcattaa	cggaaaccgt	gtatgggggtc	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	cggtgggtgt	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	gttgctggtg	tcgtaccggc	aaagacgggtg	agatccaata	gcgactgctc	85200
gtcgaaggga	cagtacgcta	tcatgaaacg	atagggtgcc	aacgcgcggt	ggatgcgag	85260
ttcgcacatc	tcgttctgac	actcgtggca	ctgcagggcg	cctaggatca	gggccgagac	85320
agcgccgcag	cggtaggtac	ccatggcggt	gttagtatcg	aactggtcaa	aaaattgggg	85380
cgtaccgggtg	acttgcaacg	cgcgacggcg	tagcgagacg	gccacgcgcg	agaaagagca	85440
cacgtaggcc	atggcgcggt	gcatgggttg	cgagaaggtc	tcgggaggac	gcttctgcag	85500
atcgcagacg	tcgtcgcgta	gccaggcgct	catttgaccg	ggcttcttga	ctaaccgttt	85560
gagcgtgctg	caatggtcgc	cccagccgtc	ctggtgggtc	aggatgcagc	ccaggtccag	85620
gttggtgagt	ttgttgaaga	gcagctgacg	catgccgccc	accgtctcca	gatagggatc	85680
gtgcggggtg	acgggtagcc	cgtgcaagtg	gtgggtacttc	atgtagctga	gcgtttcgtc	85740
gatgatggcc	agcaacgtgt	gcaagtggg	agcgttgtag	acggcgaaga	tcttttccac	85800
caccagcttg	cgcagcaacg	gttcctccag	ccaatcgaac	tgttgacgga	tgtgcaacag	85860
gtagtcggtg	tgcatgagct	cgtcgtgtga	cagcaggatg	cgaccgcgcg	gctgatgatc	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	gcggacgatc	cgtgatgatt	attggctgag	gaggggtgag	aagaaccgaa	86220
agtcgtagga	caactgggaa	ctcggcgacg	aagatgcgtc	gaatcgccgc	cgtgatggtg	86280

cggttcgcgcg tcatcgttgt cgtaagactt accgtagtgg gggatgaagg gcaccgaggg 86340
 ggacgcggcc acgcgtcgct tgaaagagga ggacgcccta tgtccgccac ggaagcccgc 86400
 ggtgcccattg atgatgtgtc cgccggtgcc cccgagtgcg tggcgggagg aggggtggaag 86460
 gggaggagga tagtggtccg gatcgccctt ggtatcatcg tctttgctgt agcgggggtcg 86520
 tcgtgcgggg acgcagggtc ggtgatgatg cgaggcggcg ccgacggtat cttccgcgag 86580
 atggtattcg ctggcggctg ctccgttccg tgtcgacggc gaggttgagc ttcgctcgcg 86640
 tcggaacttc cgtggcacgg gttcgtaatc cagacagaag cgccgtgcgc gacgggcgcg 86700
 gcgttcgcgc tcgctcaggg aagataacga cggagcgtcg tgacggccgc gtgagtgcag 86760
 ctccatggcc gccgtcgcta ggaaggtcac gttcgggcac gctgatgtat atatagatga 86820
 gaccgctgcc ggggggcggg tcaccggcgc cgtggaaagt gaggtcaga cggcggtcgc 86880
 cggcggcacg ggcgctcg ggggtctgat tttgatgga atgtggacgt ttttggcgtt 86940
 ggagtgcac tttttggtga aacagcggct ccagaggctg gccagagcg cgtagctgtg 87000
 ctcggtgcgc aggtcgatga aacttgcac ggtctcttgc gggttgcggg gcgtgtagtt 87060
 gagacagcga aaatcccgcg tgcgcgcgcc gtcgcgcgcg ttgacggcca cgcagcaggc 87120
 gccgtggggc tgaaagagga ggacgtgggg cgcagtaaac tgctcgctga cgtgcggctc 87180
 gtagtgttgc gtgaggtgct cgagcagtgg cggccacacg cgggtgacga cgagccgctg 87240
 caagtccgtg tcggaatcg cagcggcagt ggcgccgtcg ccaccgtaca ggtgataggc 87300
 gagcacctcg gtgagaccgc ggcgtcgata acgcgtcacg ttaagcgagc gcgtctcgat 87360
 aaagttaggt tcggtcgagg ggcagatatt gtcatgtacg ctgagaatga cgcgtggcgg 87420
 cggcgacagg ggcaacgcgg gcaggtcgtg cggcgggtgg tggatgaagca ggttacgcag 87480
 atccagttgg gcgcgcacaa agcctagcgg gtgttcgcgg taggcgtcgg gcacgatgaa 87540
 cagcggcaac agacggcgat gcatgaaata gccgtcgtct tggccattt 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 gctcgtccc gtaatcgaga tagtcgtcgt catcgaaagg 87960
 cgcgccggcc gcgtccacgg gcacgctgtt ggggtgggcac gcgcttttga agaaatagac 88020
 cgggtgccgg tcggggtgcg ttagccaaa gaggtcgcgc catacgggtc 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	aagcccgcga	ggtgcgtgcc	gtcgatgcgg	ccgccgtagc	cggccagccc	88680
caggccgtgc	gggctggtcg	ccgagtgggg	ggattcgtcg	agacgcagta	ggtgcgtctc	88740
cacgtagtcg	tgtagaaagt	tgtcgagcga	gaagtatttt	tgcattgacgt	ccagcagctc	88800
ggtggaaaagc	cggcggccca	gaaaacccgg	ttcgcgcgtg	cactgcgctt	cgggcgccgc	88860
gtcagcgtcg	taagccacca	cgcgccggta	ctcgagcaac	cgcgcgcgtg	ccagcgcctg	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	cgggtggagat	ggtgctgtac	tggccctcga	ataggtagta	89220
ggccatggtc	agcagcacct	ggccctcggg	gtgcccgaag	acgctgatga	accacgaggg	89280
cgagggtggg	cagaggaaga	cctggttgag	atgacgtagc	acggccgcgt	ggtgaaagta	89340
caccaggtgc	ttgaattcgc	gcacctcgcc	gccgtgttcg	ggcgagagca	cgggcgtgcg	89400
gaagagatgc	cggtagagcg	gttgcgtctc	ggcctcgtcc	agactggcga	tgagcgccga	89460
gaggggggatg	ggctggcgcg	cggccaggta	gcgcgagagc	tgcagcgttt	cgttgttcac	89520
ggcgaagacg	ggcgccaccc	gccgcgagtc	cgagcacttt	tgcgtctgta	ggcagaaata	89580
aacacgtcgc	gagacctggg	gtttgaccag	cagggggaag	acgcagtggg	ccgtcgggtg	89640
ctgcgagagt	acgttggcga	ctatatgagc	agaatcatac	tctgttgcca	acagaacgag	89700
cgtcatcgtc	gcgcgggcac	gatgcagctg	gccagcgcgc	tgtgcgagct	gctgatgtgc	89760
cgtcgcaaag	ccgcgcctgt	ggccgattac	gtgctgctgc	agcctagcga	ggacgtggag	89820
ctgcgcgagc	tgcaggcggt	tctggacgag	aactttaagc	agctggagat	caccccggcc	89880

gatctgcgaa	ccttttctcg	cgacacggac	gtggtgaacc	acttgctgaa	gctgctgccg	89940
ctctataggc	aatgccagag	caagtgcgcg	tttctcaagg	gctatctctc	ggagggctgt	90000
ttgcctcaca	cgcgcccggc	ggccgaggtg	gagtgcgaaga	aatcgcagcg	tatcctggag	90060
gccctggaca	ttcttatact	caaactgggtg	gtgggcgagt	ttgccatgtc	cgaggccgac	90120
agcctggaga	tgttgctgga	caagttctcc	acggatcagg	cctcgctggg	ggaggtgcag	90180
cgcgttatgg	gcctgggtgga	catggattgc	gagaaaagcg	cgtacatgct	cgaggccggc	90240
gcggctgcga	cggttgccac	accgacgcca	ccggcggtcg	ttcaggggga	aagcggcgtc	90300
cgcgaggacg	gggaaacggg	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	ggcggtgatg	tcaccgacca	tggtcaccat	acctcctccc	90720
cagataccct	ttgtgggttc	cgcgctgaa	ctcaggggcg	tgaagaaaaa	gaaacccacg	90780
gcggcgccct	tgctgtcctc	cgcgtaaca	gcctggcagc	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	gcccaccggc	agataggtaa	agcgggtggg	ggtaaaaacc	91140
gctttggcta	cggtggtgtg	tggggagatg	cagacggtgg	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	atcgcttctg	atggtgcccg	gaaagatgga	ctgaaaagtg	91500
tcgttgaggt	tgacgacatc	caactgcggg	acttgacgcc	cggattccag	cagctcgggc	91560
atgcaaacga	attgcgcgtc	caggcatttg	taaaaggtaa	tgccgaaaaa	accttcgggg	91620
atatagaggc	tgacgcccag	cgaggtgggc	actttgcgct	cgcgatgatg	ccaaatgatg	91680

tgttttattgt	aaaaggccag	ctgcgtgtgg	cattgtttga	cgatgaaact	ggaaggcatc	91740
cacttgtagg	gaactttgag	cggcgacggt	aatggcgacg	atgcttcac	ttctcccgga	91800
tgctgctctt	tgctgtat	ctcctcgatc	gattggggca	gcgtaaatgt	ggtttgaaaa	91860
tcgctatcgc	tagcgaaacg	cacgcagtaa	cgcattgtga	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	tggtgcgaca	actagtacaa	92220
ctacggcgac	aagtacttca	tcgacgacta	gtaccaaacc	cggttccacc	actcacgacc	92280
ccaacgtgat	gagaccacat	gtcacaatg	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	aacctcgtcg	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	ttactgctg	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	gcgggttaa	ccaaaaata	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

tttggcggggt	tttctaagct	gggtactata	aaaatcgaac	cacagatagg	ttatactatc	93540
gtttcgaatg	ggacccgcta	gaatgtagta	ttgtggaaac	tgggtcatat	tcatagtaag	93600
atttttaacg	tgttgccctag	tcatattgaa	gtattttgta	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	tggtttggt	tgcctgcgtg	93900
tactcactgc	tgattctggt	cgttttgctg	ctcatctacc	gttggtgcat	cggcttccaa	93960
gacgacctag	tctcccgcac	cttggtctgt	taccgagctt	gtatccaggg	cccgatatgt	94020
aaccagaccc	acaacagtac	ctcgtaaata	aagacgcaca	gacctcacgc	acatagtacc	94080
atcacaccgt	gtggcgtgta	ctttattaca	acgagcaaga	gtgcccctaa	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	caggggcaaaa	aggacgtcgt	ccgagtcgtg	94440
catgtacatg	atattaatga	cgccttgctg	gtcgtcgtat	tctagtaagg	cgctttggca	94500
gaaggcgtag	ttttctagcg	aaatgttgag	cgccgctgtg	atgctgtgtg	tgggtgtgcat	94560
gttgcgcgtc	agttcgcat	tactttgact	gtccgtcttg	gtgatgatga	ggctctggcc	94620
tacgacggtg	gtggagacag	ggtaggagat	acctttgatc	aggtattggt	ttgttacgac	94680
gtagctgacg	tgttcggaga	cggtagcgc	ggagaaggat	tcgcctagt	gcagacaaaa	94740
caggtcgggg	aaggtttcca	gcgtgcttg	ttgcatggt	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	gaggctggtg	atgtcgggtga	tctggtccgg	95220
cgtccagagg	gctcgttttg	ccagggtccac	ggccgtggga	tatagcagca	atgtggtgcg	95280

tggtggtggt	tgtgagaggg	aggtgatcat	aaattcttgt	atttgtaaga	gtgcggcctg	95340
gcggtctagg	gcccggtgga	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
gtgacgggtc	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	agtcccagag	tgggtgtcga	tcccttccag	tcgtgtggag	tggtttgggg	95940
tggcatccag	acgtgaggta	ttgacagatc	aatgggcggg	ggcacgggtg	tgggctgctg	96000
accagggctg	tcttgtgcct	tcagctgctg	cgaaaaagat	cggtagctag	ccaggtcttt	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
tgcggcgctc	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	aatacgatgt	96600
cattggccgc	tcgaagggga	gaagagggga	cacgcgaata	agccatgccg	tccgggcgtg	96660
gggacgacgc	tgatttgacg	gggaacgctc	tcgggagatt	gcctcacgtg	cgtaagcggg	96720
tcggtaagcg	caagcacctg	gatatctacc	gtgcctgctg	gcgggtcttt	ccctcgtttg	96780
tggcgcttaa	ccgcctgttg	ggaggtcttt	tcccacccga	gttgcaaaag	taccgtcgcc	96840
gtctttttat	cgaagtacga	ttaagtcggc	ggattcccga	ctgcgtgttg	gtgtttttac	96900
cgccggactc	tgggtcgcg	ggcatcgtgt	attgctacgt	gattgagttc	aaaaccacgt	96960
actcagacgc	cgacgatcag	tccgtgcggg	ggcacgccac	ccacagtctg	cagtacgccg	97020
agggcctgcg	ccagctcaag	ggcgcactgg	tggactttga	ttttctgcgt	ctgccacgcg	97080

gtggcggtca ggtttgagc gtggtgcca 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 tggcgagtg cgccgagcag ccgttgcccg ggaacgtacc taactacttt 97740
 ggaatcacgc agaacgatcc ctttatccgc tttcacaccg attttcgcgg cgaggtggtc 97800
 aacaccatgt tcgagaacgc ctccacttgg actttctcct ttggtatctg gtactatcgg 97860
 ctcaagcggg ggttgtagac gcaaccacgg tggaacgag 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
 gcttggaag gccccgtcgc cgcgggtaac 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 gttgttggtg 98520
 aaggtgacca acgcggatag cgtcttcgct ccgcgcacgg gcaaatttac gttggccgac 98580
 ctgctgggtt cggatgccgt agccggcggc gggttgcccg gggggcgcg cggcgcgaa 98640
 gaggagggct acgggggacg gcacgggcgg gtacgtaact ttgagtttct ggtacagtac 98700
 tacatcgggc cgtggtacgc gcgcgacccc gcggtcacgc tgtcgagct ctttcccggc 98760
 ctggctctgt tggccgtgac cgagagcgtg cgacgcggct gggatccctc acgtcgcgag 98820
 gacagcggcg gaggtggcga cggcggcggc gccgtgctca tgcagctcag caagagcaac 98880

cccgtggccg actacatggt cgcgagagc tccaaacagt acggcgatth acgtcgctta 98940
 gaggtacacg atgccctgct ctttactac gaacacgggc tagggcggt gttgtcagt 99000
 accctgccgc gtcaccgtgt gtccactctg ggctcgctcc tctttaacgt caacgatatt 99060
 tacgaactgt tgtacttttt agtggtggg tttcttccga gcggtggcggt gttgtaattt 99120
 ccaccacgtg tcgctcgctg cataaagggc gaacgtcctc ggagagggtta tattcgcttcg 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 cggctgcctt tgcttgggtt ctttccatcg tagccgctgt 99720
 gccaccgcc gctacgggtt cactggacta ccgttggcta ggctgtcaga tccctataca 99780
 gtatgccgcg gtggacctca ccatcaagat gtgggtttttg 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 gccgaggcg tgaaaaagtc ctccagcgt tgttacgccg acgcgacgtc 100320
 ggcgccggtt gtggtaacga caaccacgtc ggagaaagcc acgttggtgg agcacgcgga 100380
 aggcattggct tccgaaatgt gtcctgggac tacgatcaat gtttcggccg aaagttcctc 100440
 cgtcctctgc accgacggcg aaaacaccgt cgcgccgac gcaacggtga cggcattatg 100500
 agcggcggcg ctgtacggca gcggggagaa aagtggcaga taaatcacgt caggttcaca 100560
 cgtcgttagc cagcgtcggc atatgaagg 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 acgggcggcg cgcgtttcat 101100
cgaacacggc cgctcaaag tccagccccg ggaaggcctg gcgcagttcg cggtagat 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 ttgccgtgc 101400
ggacccgcgg gacggcgggg ttctcttcgt cgcgggccat catcgttcgc tcggtgagcg 101460
ggtagcgacg gtgaggacaa tgacgatgga cgagcagcag ccgcaggctg tagcgccggt 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 cggaagagtc cgagctgggt tcgcgcgggc ccgtcagtc 101820
gctgcagcca gacaaggtgg tggagtttct cagcggcagc tacgccggcc tctcgctctc 101880
cagccggcgc tgcgacgacg tggaggccgc gacgtcgctt tcgggctcgg aaaccacgcc 101940
gttcaaacac gtggctttgt gcagcgtggg tcggcgctgc ggtacgttg ccgtgtacgg 102000
gcgcgatccc gagtgggtca cacaacggtt 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 cgatattaaa 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 ctcttctgc ttccgccagca ccgttgccct tgccgtctta 102720
 tcccgcgccc tacggcgccc ccgtcgtggg ttacgaccag ttggcgacac gtcactttgc 102780
 ggaatacgtg gatccccatt atcccgggtg gggtcggcgt tacgagcccg cgccgccttt 102840
 gcattcggct tgtcccgtag cgccgccacc atcaccagcc tattaccgtc ggcgcgattc 102900
 tccggggcgt atggatgaac caccgtccgg atgggagcgt tacgacgggtg gtcaccgtgg 102960
 tcagtcgcag aagcagcacc gtcacggggg cagcgggtga cacaacaaac gccgtaagga 103020
 agctgcggcg gcgtcgtcgt cgtcctcgga cgaagacttg agtttccccg gcgaggccga 103080
 gcacggccgg 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 tgcccggtta 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
 gaagtggaaag cgggtgctgat 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 ggacagtcg gcttggggtg ccgagtcctc gtcgccgctg 104100
 gcctcctcga agccggcaaa catggcttcg gacagggggg tcggcgtcgg tgtggatgag 104160
 aggtcatctt cgtcgtcctc ttctcttctt tctcctctt cctcgggtgg tggtaatccg 104220
 ggggactgcg ggagaaactc ggagacggcg ccgcgcatga cgttgctccg tggaaagaga 104280

ccggcgcgca gctgcacctg gggacgcttg attttgtccg gtttaccggg tgtgagagtc 104340
 caaaacccac ggcggaaaaa gtggatgcgg cctagcggct gtcggtgttc caaatgaacg 104400
 gcctgatcgc cggtcagcgt gacgcggagg gtgattcgca cacgatcggg tagcgggccg 104460
 gcttctatgg agacgcccg 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 gccggcgcgga 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 ctggcgtcag gcgtcgtggg 105120
 ccaaagttgt tgaggtccac cagtagtcgg tcctgttcgc ccaccacgca gcggcccttg 105180
 atgtttagat cggtcaggtc tacgggtgctg 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 cttcgtggga ggtcgggaag ggttccggca actgtcgcaa 105540
 atatagcagc ggcgacaggt gtggcgccca aaagtcgcga gtctgagtgg acgtgggttt 105600
 ttatagagtc gtcttaagcg cgtgcgcggc ggggtggctca acctcgatgc tttttgggcg 105660
 tcgaggcgat gcatggcccc ggccaggcctt 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
 cgttgtcggg atcctcgtcg gtgtcctctt cgggcgcgac ggtggactcg gccttaaggc 105960
 ggccgcgtgt cataacgccc gacgtgcacg ccgttgccga ggatgctgat ttgcgtttgc 106020
 ggcccgcgga agtggaggcg cccgccatgg cggcgccgcc ggtgacgcgg ggcgtcttgc 106080

gctcgggtggt tacgagttct tcgtcggagt ccgatccgct ggtccagacg tcgtcgtcgc 106140
cctgggcggc accctcgtcg tgccgggtccc aggtgtgtcg gtactcaagc ttgccctgga 106200
tgcgatactg gctggtgaag gtgggggtgct cgctgtactg agggccgcgc tgcagcagca 106260
agtcgatatc gaaaaagaag agcgcagcca cgggatcgta ctgacgcagt tccacgggtct 106320
cgcgatatcg ttgtacctcc aggaagatct gctgcccgtt catcaacagg ttacctgaga 106380
tgctcaggcc cgggatgctc ttgggacaca gcagcccaa 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 cgcgtaatc acagcgtcgg ctacgggcag gtgtcgggtg ttgcgctcgg 106920
ccgccgacgg gtagtggtgc acgttgatgc tggggatgtt 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 ggccgcgcgc ttacataggc aggcgaccaa 107400
acgcggaacc cgaaataaaa acgttatata cagagacaac cgcggtattat tgagtgtctt 107460
tttttattac aaaaaaaaaag 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 tacaaaaaca 108000
cccagataag gcccgtaaaa gcggcggtag atacgtaacg tgtgcgagtt tttcagcgtc 108060
aattcgtaag ggacgcgcac ctccagtccc tcgtccgccg cgccggagcg tggcggtaca 108120
aagtaaggca gtggcgcgtc cgaaaagaag ggtcgtcgca ccgtttcgcg tcgcagccgc 108180
aggcgaaacg cactgggtc ggctggcgcc tcggtgcggt cgaggtcac gttgaaacgt 108240
aacatgccgt cttggtatag cgtgagtgac gacagcgta ggtccggcg tgattcgttc 108300
gggtctagct ccaatcgccc aaagacggag ggtcccaatg tcttggctgt ggtttccgag 108360
aggcgcgccg agatacggt ggtgagtgca cgcgccccg agatgccgc ttccactcga 108420
tgccagcaca gcgctgtcg tacgcgcacc gtcagcgtgg gcgtcagatc cgtgtccgtt 108480
gattccgcgg aaatcgcggt ctccgttacg ttgtttatat ccagcgtcgg ctcgaaacgtg 108540
agttctggca gatgcagcg cagacagtcg tgtaacgccg tgtgatgcgc ggctttacgt 108600
cgtagcggta gccgtttcag cagcggcgtg atgatacgga gcgcgaagag attgagtgat 108660
aagcgcacga tggccatgcg cgtcagttgt tgggtcaatta ccgagcgag gatatggcag 108720
cctgggcgtg cgggaaagag agagaaggcc gggcgcacgt cagaatcctc gttagagacc 108780
acgcatagaa tgccgcgttc acgatcgtcg ttgcgggtcat cctcgtcctc ttcttctttc 108840
ttctcttctt tttctttttt tttctcgggc tcgtgggaag ccgccgtttc ttcttcttgc 108900
gacgtcgcg gggcggtttg agactcgccg ttcgcttccc ccaattgcag cggcgtagag 108960
agcagaatct ggaagggatc ccgcaattct tcgggtcgga ggtcgaggtg caactggatc 109020
agatggtagg tgccgcggtg cacccgaggc tgacggatgt cgtgtttatc cgtcagtggt 109080
aggatggtct gcggtgagcc gctgtgcttg tccagctcgt ccggcgtttt caggagaaga 109140
ctgtcgtcgt cggtactggc gacgcccata atggctcgtg tggtagtggg ggagaggaaa 109200
gtgagcggcg gcgtcgacag agctcggcgt tggcgggcg atttgccgt gtgtcggctg 109260
ctattgctgc caacgccacc gccgccgct cgtctggctc gtggccggcg ggcccgattc 109320
cgaaggttgg ggtcgacgcg tggcatgctt ggtgtctgcg ggcgcgagag ggccggctca 109380
gcctttaaat atgcaggtcg cggatttggt atcgggtgaa acgtcacaca ccgtgaagac 109440
gacctgttcg cggtagaggt catccagctg tcgcagcatg acgaaaagcg ccgacagccg 109500
cgcgatctcg tcgtcgggcg acacgtgctg tggccgcgcg ggcgtgcgcg gctcgcgcg 109560
gctgcgctcg cggccagcc gcatcagcag ctctggcac ttgacgagca gcatggagct 109620
gtcctctagc gccaaactgc gcacgtaggt catggtcagc tccgaggcta ggttagccac 109680

catggacatg gagaggcagg cggctctcat gtcgatcagc aggtgctggt cgatgaccgg 109740
atcgggggatg gtgaaggtgg cgtcgcgaaa agtaatggtc tgcagctgct gcacggcagc 109800
ctttacctcc tcgtacgaac ggtcgagcga gaagaggccc atgatgagta gtcgctggtt 109860
gatttccagc gccagtggca tgggtacgat ccagggcagc accagctccc actggcccag 109920
cgtcagcagg ttctcgcgcg ccagcgggtcc gtggaagagc ggcggcagca cgcatagcgc 109980
gtcgcccttc tcccaagtca cgggtcccgt gttgaggacg gtgtagagca gtccgtgcgt 110040
cggtagctgt aggaggatct ggttgccttc tacgcgccgc atcaacgtca gcgtcatatt 110100
gcgcagcagg ccgcgcagtc gtacgtagcc gcgggtgtga tctacgaact ggtgtaggcc 110160
cagctggtag tgcttgatga gatgtagacg ctgcggaatg ggacacacgg ccgctactag 110220
tttggtcagt ttgcctacgt cggcgatgct gagcttgttg tcgaaagtgc agaagatgtt 110280
ggcctccatg gccgccatag cggcggtgaa atcctggccg cgacggagga gaagcggaga 110340
cgaacaacgt ctgcaccggg cgcggcgta gagcgagcgt ggcgcgccg ggcgcgcgtt 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 ctcgtcgatg gttttgaaga gcgttttggt ggccgcgata 110760
atctcttctg tgttaaagta ctgcgcgcag gggctgtaga atttggagtt gtagcctaga 110820
cgttcgcgat gtcgggtgtt gtagagtacg tcgctcagac agccggcttg cgaggcccag 110880
gggttggtg tggccgcgaa agtctgtgcg tccgcttcgc gatggtcgta gatggccttg 110940
gtggcggcct ccgtgtcgta cggatcgacg gccagcatgc aggaggcacg cccgcgcggg 111000
ttgttgggga tcttaaagta attaacgtcc atcgtcaccg gcgtaaggat tagttcgcac 111060
gcggcctttt gtccgtgcac cgtggcggcg gcattgcgt cggacatgct gccgaacgtc 111120
agcatggaga tggctccgt atctaacagt tgcggtcgtt ctacgccggc cgcgtgccgg 111180
atccagcggc ccacctcgtc gtgccgttac acgttcatag ggaagacgcg aaagagggtc 111240
tgcacgcgga cgcctatgtc 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 tgagtgaac 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 ctctgcggca 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 cgtgtacac 112920
 agcgccaccg tttcgtgtt ttctggcag tgcgtaaagt cgaagaagg gtgcagctcg 112980
 gtgtagagcg tgatgttgcc cacctttagt aagtcggtga ccacaaagtc ctgcttcatt 113040
 tcgttcaccg tgcgcgggac ctgcgctcgt acgcggtaaa aatgcggtat gcggcgcc 113100
 gcaccgcca tgggttctg ctgaaaacga cactcgagca gtcgttgcat ggcgggttcc 113160
 gagggcggtc cgcgttcctg gaaggtctgt agacaggcg cgggctcgtg cagcaccggg 113220
 tggcacagcg tcttgagcgc gtccacaaag tctatcttt gtacggcacg gtcccgggtt 113280

agcaggtagg ccgtggtggg caacgcgttg cgaacggtgt cgttaagctt aactttgctt 113340
 tctaccgtgg tgtaaccgcg atcctcgggc agatacagcc ctacggggaa gaaaaacgtc 113400
 aggtccacgt tacgttctag cggatctttg gtatcggtgt ttttgtagac gcgccgcaag 113460
 ttttccataa tcaccgtttt ttcgcccagt 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 agtcgcatc 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 tggaaactga 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 cggcgtagc 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
 tgccgtgccg 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 cgccctcgga accgaggaac gctacgctat 115200
 ggccctgcctg ccgcgcgacc tcagcctgca cctggacgac tacccttacc 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 tgttatcgac 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 gccgcgcatc gcgttcgacg ttacgtgtgc atcatctcgc gtctcatgta 116040
 cgctcggtag ggggagagat ggcgtaaaca ccgtcaacgg cggtcggaga cgggagaaga 116100
 ggaggaggaa gagacgctgg aatcggggga gactgacgcc acgccgccat ttgactttac 116160
 ggggcagcag ctgcgcgggg cctatcagga acaccgacgt cgtaaacatc tagccgtgca 116220
 gcgttacgcg ccgtgccgtc gtaagctcat cggcgggatg gagtttgccg aggtgacggg 116280
 cgtgagtctg gaccgcatcg ccgtcaacgc tttcaacacc aaccgcgtta tcaatatgaa 116340
 ggccgcgctc tcgtccatcg ccgcgtcggg tctcggcgtg cgcgcgccgc ggcttcccaa 116400
 gaacatgacc cacagttttg tgatgtacaa gcacaccttt aaggagcccg cttgcaccgt 116460
 cagcaccttt gtttccaacg acgccgtcta cattaactcg ctcaacgtca atattcgcg 116520
 ttctacccc gagttttctg 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 tggcccgga 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
 gtccatcatct tccctcgtcc cttctgtccc aacctccgtc agcgttgacg gcagttctga 117420
 acccacgtcg ccgcgagcgc ggtttgcatc acgatgatgg aagccgcggc cgctgccgcc 117480
 gcggcggtttc gtccggagga gcgtccgacg cggggttggc acgacgcggc gttgttaatg 117540
 gacgacggta cggtgcgga gcacgcgttt cgcaacggac cgctgtcgca actgattcgc 117600
 cgtgtgttac cgccgccgcc cgacgccgaa gacgacgtgg tttttgcttc cgagctgtgt 117660
 ttttattgca gcggtcgttt taaccgcagg tegtccgtct tctccatcta ttggcagaag 117720
 catagcgatc tgggtgtacgc gcttacgggc attaccatt gcgccaagtt ggtggtgga 117780
 tgcggtcagt tggggagtag taggctacgg tggcgcgacg gtgatgcgag tggtgaggag 117840
 cgccggggag acgacgacag cagggacgag ctgtacgacg tgccgggcat ttatatgatt 117900
 cgcgtcaacg acggcggcag caccggcccc agacacgtta tttggccggg taccagcgtg 117960
 ctttgggcgc cgacgttgt gatcactacg gtgcagcgac gaatctcggc ggcgcgcgcc 118020
 ctggtgaaca cgttccgcca atatTTTTTT ttgctggaac ggcgctcgca cgaggagctg 118080
 gttctttgtc cgcccgagat ggaggagcgt ctagcgccat tgttgcagag 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 tacatcgaa 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 gtttctgcct ttggggagtt ttacgcgcct gggttacgat 118680

cgtctcgttt ctgccgatgc cggcgctcagt cgtcggcacc tggtaggtct gctgcgtgcc 118740
 tagctgaccc tgaaacggat ggcgtgtata tcgtcacaca ggtaggtggc catgatgacg 118800
 gcgatgataa gatcgtccga gatacgattc tggcgcttgg ccgagtagcg tgccgtcgtg 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 gttggtggtg 119160
 ccctccacgg cgatacgagc ttctccagg 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 aagcggccgg cataaacatg ttggccgtct tgcgcacctg cgagttgagg 119580
 ctgatgaagg tgggcttggt cagtcggtag caaggacacg ccgtggcgtc gcccttctcc 119640
 gtgaagctgt gcaggtgctc ttgcacacg taagagacca cattgagcat gtcaaagggc 119700
 gcattgttga ggcgctcaa gaaacacgtg gcgtcactgg tagtggtggt ggacgatatg 119760
 aagatgatct tggtaggtatt ctgggccagg aaccccagaa tggtagtgaa ggcctctttc 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 gtcaggcccg 120240
 cgccgcttgg aactggtcgc gtccgtgttc gagcacctga cggtaggagt cgtcaacgac 120300
 atcctggacg cctgcagcca cccggacgtg aacgtcgtgg agacaagcaa cacctgtcgt 120360
 ccctgccctt ctctgttcc ctccgcccc aaaactgtca gcgacgctca gacgtcatgt 120420
 gcgacgcctc gggcgccgtg gacatgaggc acgtccagaa cgcgtttacc gaggagatcc 120480

agttacactc gctctacgcg tgcacgcgct gctttcgcac gcacctgtgt gatctgggca 120540
 gcggctgcgc gctcgtctcc acgctcgagg gctccgtctg cgtcaagacg ggccctggat 120600
 acgaagctct ctatccggtg gcgcgtagcc acctgttgga 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 tctggcgttt 121020
 gaggcgcggt tcgctgacga tgagcaattg cctctacacc tgggtgctcga ccaggagggtg 121080
 ctgagtaacg aggaggccga gacgctgcgc tacgtctact atcgtaatgt agacagcgct 121140
 ggccgatccg cgggccgcgt tccgggcgga gatgaggacg acgcaccggc ctccgacgac 121200
 gccgaggacg ccgtgggcgg cgatcgcgct tttgaccgcg agcggcggac ttggcagcgg 121260
 gcctgttttc gtgtactacc gcgccactg gagttgctcg attacctacg tcaaagcggg 121320
 ctactgtga cgttagagaa agagcagcgc gtgcgcatgt tctatgccgt cttcactacg 121380
 ttgggtctgc gctgccccga taatcggctc tcaggcgcgc agacgctaca cctgagactg 121440
 gtctggcccc acggcagcta tcgtgactgg gagtttttag cgctgacct gttacgagaa 121500
 gaaatggaag cgaataagcg cgaccggcag caccagttgg ctacgatcac gaatcaccgt 121560
 cggcggggcg gactgcgtaa taacttagac aatgggtcgg atcgccgttt gccgaagcg 121620
 gctgtggctt ctctggagac ggccgtcagt actccatttt ttgaaattcc gaacggagca 121680
 ggaacctcct ccgcgaacgg cggcggcaga ttcagtaacc tggagcagcg ggtagcgct 121740
 ttgttgcgcg gcgacgagga attcatctat cacgcgggtc cattggagcc gcctccaag 121800
 atacgcggtc atgagttggg gcagctgcgc ctggacgtaa atccagacct catgtacgcc 121860
 accgatccgc acgaccgca cgaggtcgcg cgtacggacg agtggaaggg tgccggtgtc 121920
 tcgcgtcttc gcgaggtctg ggatgtgcag catcgcgtgc gcctccgtgt gctgtggtac 121980
 gtcaattcct tttggcgcag tcgcgagctg agctacgatg accacgaagt cgaactatac 122040
 cgggcgttg acgcttatcg ggcgcgcatc 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 tggatcgctc 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 cgggccgtcg cttgccgttc 122760
 gacgatcttt agtccggagg acgacggctc gtgtatcttg tgccaattgc tgttgctcta 122820
 ccgcgacggc gaatggatcc tctgtctttg ctgcaacggc cgttatcaag gccactatgg 122880
 cgtgggccac gtacatcggc gtcgtcgacg catctgtcat ttacctacct tgtaccaact 122940
 gagcttcgga ggtccttttg gtccagccag cattgatctt ttgccaagct ttagccaggt 123000
 gaccagcagt atgacgtgcg atggtattac gcccgcgtg atttacgagg tctgcatgtt 123060
 ggtgccccag gatgaagcca agcgcacctt ggtcaagggt cacggtgcc a tggacctgac 123120
 ctgtcagaag gcagtgcgc taggcggcgc cggcgcctgg ttgctgccgc gtcccgaagg 123180
 ctacacgctt ttctttttaca ttctgtgcta cgacctgttt acctcatgcg gcaatcggtg 123240
 cgatatccct tccatgacgc ggctcatggc ggcggccacg gcctgcgggc aggcggttg 123300
 cagcttttgc acggatcacg agggacatgt agatccact ggcaattacg tgggttgac 123360
 ccccgatatg ggccgctgtc tttgttacgt gccctgtggg cccatgacgc agtcgctcat 123420
 ccacaacgat gaaccgcga cttttttctg tgagagcgat gacgccaaat acctatgcgc 123480
 cgtaggttct aagaccgcgg cgcaggtcac actgggagac ggcttgatt atcacatcgg 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
aggctcctcg ggtccgcggg ggtttcgacg tccctgtgct cgggtggaacg gatggtcgag 124980
ctgtcggcgc agtctccggc cgccgatttc tcggtctccg aggcttgggc tttcgaggag 125040
gccgtaaata tggcgctggt ggctgcgag gccgtgtcac cttacgatcg ctttcgccta 125100
attgaaacgc ccgacgagaa tttcttggtg gtcaccaacg taattccgcg cgagtcggcc 125160
gaggtgccgg tggtggatag cagtagcagc ggtggcgata gcgggcccga ggacaaaaag 125220
aaaaacgtcg ggaataaaac cgcgggggaa aagaacggcg gtgggtctcg ggccaaacgc 125280
cgctcgtagc gacgcgctcc gaaaaacgac gccgccacgc cgtcttttct acgtcgacac 125340
gacgtgctgg agcgtttcgc ggccgcggct gagcctttgc cgctcgcttg tgtgcatgat 125400
tatgcgttac gcaatgctga ccgtgttacc tacgacggcg aattaatcta cggcagttac 125460
ctgttgatc gcaaggetca cgtggagctg tcaactctca gcaacaagg gcaacacgtg 125520
gaagctgtgc tgcgacaggt gtacacgccg ggcttgtag atcatcaca cgtgtgcgac 125580
gtggaggccc tgctgtggct gctgtactgt ggaccgcga gcttttgcg gcgtgacacc 125640
tgtttcggtc gcgaaaagaa cggttgcct ttccccgcgt tggtgccc aaactcttttac 125700
gaaccctg gcgactatat gacctacatg aatctggctg agctgtacgt ctttggttg 125760
tatcgcggt acgaattcct tgcgccaac ccgcaggcga cgacggcggg tgggtggtggt 125820
ggtagtggt 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 cgacgcgggt 126240
 ctcatcacgt tgaatctatg acgtcggta acaaacagct cttaaaggac gtgatgcgcg 126300
 tcgacctga gcgacagcag catcagtttc tgcggcgtag ctacggaccg cagcaccggc 126360
 tcaccacgca gcaggctttg acggtgatgc gtgtggccgc tcgggaacag acccgataca 126420
 gtcagcgaac gacgcagtgc gtggccgcac acctgttga gcaacgggcg 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 acaggaaga ctgtcgccac tatgtctctc gacttctgg 126780
 ctgggctcg ctgggctcg ctcggaacga cgactcaggg ctgggatccg ccgccattgc 126840
 gtcgtcccag cagggcgcg cggcgccagt ggatgcgcga agctgcgcag gccgccgctc 126900
 aagccgcggt acagggcgcg cagggcgccg ccgctcaagt tgcccaggct cacgtcgatg 126960
 aagacgagggt cgtggatctg atggccgacg aggccggcg cggcgtcacc actttgacca 127020
 ccctgagttc cgtcagcaca accaccgtgc ttggacacgc gactttttcc gcatgcgttc 127080
 gaagtgacgt gatgcgtgac ggagaaaaag aggacgcggc ttcggacaag gagaaccagc 127140
 gtcggcccgt ggtgccgtcc acgtcgtctc gcggcagcgc cgccagcggc gacggttacc 127200
 acggcttgcg ctgccgcgaa acctcggcca tgtggtcgtt cgagtacgat cgcgacggcg 127260
 acgtgaccag cgtacgccgc gctctcttca ccggcggcag cgaccctcg gacagcgtga 127320
 gcggcgctcc cggtggacgc aaacgcccgt tgcgtccgcc gttagtgtcg ctggcccgc 127380
 ccccgctgtg ccgacgtcgt gtggcgggcg tggacgcggt gctcgaagaa aacgacgtgg 127440
 agctgcgcgc ggaaagtcag gacagcgccg tggcatcggg cccgggcccgc 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 ctccttcggc gaggtctggc 127800
cgctcgatcg ctatcgcggtg gtcaagggtg cgcgtaagca cagcgagacg gtgctcacgg 127860
tctggatgtc gggcctgata cgcacgcgcg ccgctggcga gcaacagcag ccgccgtcgc 127920
tggtgggcac gggcgtgcac cgcggtctgc tcacggccac gggctgctgt ctgctgcaca 127980
acgtcacggt acatcgacgt ttccacacag acatgtttca tcacgaccag tggaagctgg 128040
cgtgcatcga cagctaccga cgtgcctttt gcacgttggc cgacgctatc aaattttctca 128100
atcaccagtg tcgtgtatgc cactttgata ttacacccat gaacgtgctc atcgacgtga 128160
acccgcacaa cccagcgag atcgtgcgcg ccgcgctgtg cgattacagc ctcagcgagc 128220
cctatccgga ttacaacgag cgctgtgtgg ccgtctttca ggagacgggc acggcgcgcc 128280
gcatcccaaa ctgctcgcac cgtctgcgcg aatgttacca ccctgctttc cgacccatgc 128340
cgctgcagaa gctgctcatc tgcgaccgc acgcgcgttt ccccgtagcc ggcctacggc 128400
gttattgcat gtcggagttg tcggcgctgg gtaacgtgct gggcttttgc ctcatgcggc 128460
tgttggaccg gcgcggtctg gacgaggtgc gcatgggtac ggaggcgttg ctctttaagc 128520
acgccggcgc ggcttgccgc gcgttgagga acggcaagct cacgcactgc tccgacgcct 128580
gtctgctcat tctggcggcg caaatgagct acggcgctg tctcctgggc gagcatggcg 128640
ccgcgctggt gtcgcacacg ctacgctttg tggaggccaa gatgtcctcg tgtcgcgtac 128700
gcgcctttcg ccgcttctac cacgaatgct cgcagaccat 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 ctcaccgggc tgctggcggt ttgggacgat gagcccctca 129060
gtctctttct catgaacacc tttttgctgc accaggaggg cttccgtaat ctgcccttta 129120
cggtgctgcg tctgtcttac gcctaccgca tcttcgccaa gatgctgcgg gccacggta 129180
cgccagtagc cgaggacttt atgacgcgcg tggccgcgct ggctcgcgac gaggtctgc 129240
gcgacatttt gggtcagcgg cacgccgccg aagcctcgcg cgccgagatc gccgaggccc 129300
tgagcgcgt ggccgagcgg tgcgacgacc ggcacggcgg ctcggacgac tacgtgtggc 129360
tcagccggtt gctggatttg gcgcccaact atcggcaggt cgaactcttc cagttgctgg 129420
aaaaggaatc gcgcggacag tcgcgcaact cgggtgtggca tctgttgctg 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
tgctgggccc ttccatggac ctgtgcttcg gcgtgctcaa gcagggcagc ggtcgcacct 129780
tgctggtgga accgtgcgcg cgcgtctacg agatcaagtg ccgctacaaa tatttgcgca 129840
aaaaggagga cccctttgtg cagaacgtgc tgcggaggca cgacgcggcg gccgtggcct 129900
cgctgttgca gtcacacccg gtgccggggc tggagtttcg cggatgaacgc gaaaccccg 129960
cggcacgcga gtttctgctt tcgcacgacg cggcgtctct cagggccacg ctcaagcgcg 130020
cgcgcccgct caagccgccc gaaccgctgc gcgagtacct ggccgatctg ctgtatctca 130080
ataaggccga gtgttcggaa gtgatcgtgt ttgacgcaa gcacctgaat gacgacaaca 130140
gcgacgggga cgccacgac actattaacg cgagtctcgg cctagccgcg ggcgacgccg 130200
ctggcggcgg cgctgatcac cacctgcggg gcagcccggg cgattcgccg ccgccgatac 130260
ctttcgagga cgaaaacacg cccgagctgc tgggcccggc caacgtgtac gaggtagcgc 130320
gcttttctact gccggctttt gtcaatccgc gtcaccagta ttactttcag atgctcattc 130380
agcagtacgt gctcagcaa tactatataa agaagcatcc ggacccggag cggatcgatt 130440
tccgcgacct gcctaccgtc tacctggtct cggccatctt ccgcgagcgc gaggaaagcg 130500
aactgggctg cgagttgctg gccggcggc gcgttttcca ctgcgaccac atcccgtctc 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 ggcccaaga aaaacgcggt gcgctcgacg tttcgcgagg acaaggctcc 130980
gaaaccgagc aagcagtcaa aaaagaaaaa gaaaccctca aaacatcacc accatcagca 131040
aagctccatt atgcaggaga cggacgactt agacgaagaa gacacctcaa tttacctgtc 131100
cccgcctcgc gtcccccccg tccaggtggt ggctaagcga ctgccgcggc ccgacacacc 131160
caggactccg cgccaaaaga agatttcaca acgtccaccc acccccggga caaaaaagcc 131220
cgccgcccc ttgtcctttt aactcataaa ctttcaggtc tcgctacga ttcgcgagtc 131280

gggaatggga caccctggtg tgtttctccg tgtgtatatatt attttttttt gtgtgtgttt 131340
 gcgccccctg gtgtctaatt tgctgtttga aacacgtaaa gtagctggtg gaagaacaga 131400
 taaaccttta ataaaaaaaa agtatgtgct cccgacccac ggtctgcgtg tctctttttt 131460
 atgtccatgt ctccaagtct ggtgcgggtg gcggcggggt caagcgtcct cgaagtcttc 131520
 atcatcgctg 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 aaggcgccca ggtggtagcc 131820
 gaattgcact ttgacgtatt gaaaaaagac ggcttcgatc agtaaaaagt agattatgga 131880
 gatgatagcg tagaccacga agacggccaa caccatgtgg cctgtacgca cgaaaaagtt 131940
 gtttccgaag ccgtagcaca gggccatggc taccacggtg gtgttgaaac caagtgccat 132000
 ctccaccagg ttgacgatga gcgtgcgaaa ctgcaccgta cttttgagct 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 tcgctcggga ggcgatggg 132660
 gcgcgccgat gacgacaggc tcgcgggtcg ttaaatacta cgatgggagc cgccgcggct 132720
 cacgacgcgg tttgagcacg tccgggcggg cggcgaaaaa agaccccgcg ggccttcgcg 132780
 actctcttct gtccgaggat gaccgctcag ccgcggttgc accaccgcca ccaccgtac 132840
 accctgttcg ggaccagctg tcatctcagc tggtagcgcc ttctggaggc ctcggtgcct 132900
 atcgtacaat gtctgttttt ggatctgggt ggcggccgtg ccgagccgcg gcttcacacg 132960
 ttcgtggtgc gcggtgaccg tctgccgccg gctgagggtc gtgctgtgca tcgcgccagc 133020
 tacgccgcgc tggcctcggc cgtgactacg gacgccgacg agcgccggcg cggcctagag 133080

cagcgtagcg ccgtgttggc gcgcgtgttg ctagaaggca gcgcgttaat ccgcgtgttg 133140
 gcgcgcacct tcacgccggt gcagattcag acggacgcta gcggcggtga gatttttgag 133200
 gccgcaccgg cactgggctg ggaaaccgca gcgcgtgcca acgcgcttag tcttttccac 133260
 gtagccaagc tagtggcat cggtcgtat cccgaagtgc acgagccgcg tgtggttacg 133320
 catgccgcgg aacgcgtctc cgaagagtat ggcaaccacg cgcacaaaaa attgcgtcgc 133380
 ggttactacg cctacgattt ggccatgtcg ttctgcgtcg gcactcacia gtacgtgctg 133440
 gagcgcgacg acgagggcgt cctggcacgc ctctttgagg tgcgcgaggt gtgttttttg 133500
 cgcacctgtc tgcgtctggt cagccccgtc ggtttcgtgg ccgtggcagt gaccgacgag 133560
 cagtgttggt tattgctgca gtcggcctgg actcaccttt acgacgtgct tttccgtggt 133620
 ttgcgtgggc agccgccgct acgcgactac ctggggccgg acctttttga gacgggcgcc 133680
 gcccgttctt tcttttttcc cggtttcccg cccgtgcccg tctacgcggt ccacggtctg 133740
 cacacgttaa tgcgcgagac ggcgttggac gcggcggtcg aggtgctctc gtggtgcggc 133800
 ctgcctgaca tcgtgggctc ggccggcaag ctggaggtgg aacctgcgc gctctcgtc 133860
 ggcgtgcccg aggatgagtg gcaggtcttc ggcaaccgag ccggcgggcg cgccgtgctg 133920
 ctcaatgcca cggtttttcg cgagcgaccg gccggcgggc atcgctcgtg gctgttgccg 133980
 ccgtgcccgc gtgacgacgg cgacggtgaa aacaacgtcg tggaagtcag cagcagcacc 134040
 ggcggtgctc acccgccgag cgacgacgtc actttcaccg tgcacgttcg cgacgccacg 134100
 ctacatcgag tgctcatcgt ggatttggtt gagcgcgctg tggccaagtg tgtacgcgcg 134160
 cgcgacttca atccctacgt gcgttatagt catcgactcc acacttatgc ggtttgtgaa 134220
 aagtttattg aaaatctgcg ttttcgctcg cgacgcgcct tctggcagat ccagagtcta 134280
 ctgggctaca tctccgagca cgttacgtca gcctgcgctt cgccggcctt tttgtgggtt 134340
 ctgtcgcgtg gccaccgca gttttatgtc tacgacggct attcgggtca cggaccgctc 134400
 tcggccgaag tgtgcgtgcg gactgtggtc 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 agcggcggcg gcggtggtag tggcgtgggc 134700
 gacgcggacc acgcgagtgg cggcggtcta 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 ggcgcccttc 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 aagtgcgtg gatactagta aaaaaagtg 135480
 cgtcaaagtt ctacgcgtgt gacgtggata ctagtaaaag ggacgtcaaa gctcactacg 135540
 tgttgcgtgt ttttttttct atgatatgcg tgtctagtgc gcttctcact cttcctctcc 135600
 ccgttcccag cgcggtggca gcttgggggg tgagggcaaa ttggggtagt tggcgttgag 135660
 cacgtctagc agggccaggc ccacgggcca 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 aggcacttgc gcgttaagtt gcaattttcc acgcatgaaa taacggtaca 136020
 gagcgcgaa tgcagcaggt tgtcggcctt gacgatgccg cagcgggtgt tgagccgcag 136080
 atccgagagc ctcacctgcg tgacggcgtc ttcgggtctcg 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 gcggacctt caagcggttc 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 gtacagtctg gcgtcgcgcg 136920
 cgcccaggct catggagtcc tcgcgccgcg aggcgtagcg cgtgagcagg tcgcgcagct 136980
 cgcgcacgcg 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
 tggtagaacag cagcttgctg cgctcataag ccagcggttc ggccgccacg tacaagcgga 137580
 tgtgcttgcc gcgcagctgc gcctccagcc gctccgagcg caccttcttg aagacgcgta 137640
 cctcggggcg gttggctacg cgcacggcg ccagggcgct gccacctgc 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

cttegtccga ggccggcggc acgcgcgtgc cctgcgtcga ccgttgggcc ttctttccct 138540
 tccgcgcgct gctcgtcacc ggcacggcgg gcgccggcaa gacttccagc atccagggtgc 138600
 tggcggccaa tctagattgc gtgatcaccg gtaccacggt gatcgccgcg cagaacctca 138660
 gcgcgatcct caaccgcaact cgttcggcgc aggtcaagac catctaccgc gtcttcggct 138720
 tcgtcagcaa gcacgtgccg ctggctgaca gcgccgtag ccacgagacg ctggaacgct 138780
 accgcgtgtg cgagccgcac gaggagacca ccatccagcg cctgcagatc aacgatctgc 138840
 tcgcctactg gccggtcatc gccgacatcg tggacaaatg cttaaatatg tgggagcgca 138900
 aggccgcttc ggctccgcc gcggctgcag ccgccgcctg cgaggacctc tcggagctgt 138960
 gcgagagcaa tatcatcgtc atcgacgagt gcggccttat gctgcgtac atgctgcagg 139020
 tggtggtggt tttttactac ttttacaacg ccctggggca cacgcgactt taccgcgaac 139080
 gccgcgtgcc ctgcatcatc tgcgtcgggt cggccacgca gaccgaggcg ctggagagcc 139140
 gctacgacca ctacacgcaa aacaagagcg tgcgcaaggg cgttgacgtg ctctcggcgc 139200
 tgattcagaa cgaggtgctc atcaactact gcgacatcgc cgacaactgg gtcattgtta 139260
 ttcacaacaa gcgttgccacc gacctggact ttggcgacct gctcaagtac atggagtctg 139320
 gtatcccgtc caaggaggag cacgtggcct acgtggaccg cttegtgcgg ccgcccagct 139380
 ccatccgcaa cccctcgtac gccgccgaga tgacgcggct ttttctctcg cacgtcgagg 139440
 tgcaggctta cttcaagcgg ctgcacgagc agatccgcct gagcgagcgc caccgtctct 139500
 ttgatctgcc cgtctactgc gtggtcaaca accgcgcgta ccaggagctc tgcgagctgg 139560
 ccgacccgct gggcgactcg ccgcagcccg tcgagttctg gttccgccag aacttggcgc 139620
 gcatcattaa ctactcgag tttgtcgacc acaacctctc cagcgagatc accaaggagg 139680
 cgctgcgccc cgcggccgac gtcgttgcca ccaacaactc ctccgtccag gtcacggag 139740
 ggggaggatc tgtaatcggg agcaccggcg gcaacgacga gacggcgttt ttccaggacg 139800
 atgataccac caccgcgccc gatagccgtg agacgctgct caccttgcgct attacctaca 139860
 tcaagggcag ttcggtggga gtcaactcta aggtgcgggc ctgtgttatc ggataccagg 139920
 gcacggttga acgtttcgtg gacatcttgc aaaaggacac gtttattgaa cgcacgccct 139980
 gcgagcaggc ggccacgcc tactcgtag tttcgggcct gctcttctcg gccatgtact 140040
 acttctacgt gtcgccctac acgaccgagg agatgttgcg tgagctggcg cgcgttgagc 140100
 tgcccagcgt gagttcgctc tgcgccgtg 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 tttctcaaat acgtcaagcc acctagcctg gcgctgcttt 140400
 ctttcgagga aacggtgcac atgtacacta ctttcgcga catttttctc aagcgctacc 140460
 agctcatgca gcgtctcacg ggcggtcgt tgcgcacgtt gccgctcgtt acctacaatc 140520
 gccgtaacgt ggtgttcaag gccaaactgtc agatcagctc gcagaccggc tccttcgtgg 140580
 gcatgctttc gcatgtgtcg ccggcgcaga cgtacacgct cgagggctac accagcgaca 140640
 acgtgctcag tctgcccagt gaccgccacc gcatccaccc cgaggtggtg cagcgcggcc 140700
 tttcgcggct ggtgctacgc gatgcgctcg ggttctctt tgtgctcgac gttaacgttt 140760
 cgcgcttcgt cgagtcggcg cagggaaga gtctgcacgt gtgcaccacc gtggactacg 140820
 gccttacttc gcgcacggcc atgaccatcg ccaagagtca ggcctgtcg 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 cggctgaccg tcgtccggt aaggaacaac ccgtcgtcgc 141480
 aagccgggtt cgaccaagag aaaaaacccg ggtgcggggg gagacgggtc gtcctttggt 141540
 tgttcgcgga cggcgtacat gccgcgtggg tcagtcgacg gcgtcgtctc gtgcggtcgg 141600
 tcatcattct gttcacata 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 cggccccttc tcgctgcgc ggtgtgactg gttgagcgaa tgagcagcta 141900
 ggcttggtgg tgctccgcgt gcgggggaga agacgattaa caacaaaaaa taagtggaag 141960
 tggccggtgg 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 tatcggtcat 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 agaacctact 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 gctgtttggt gtttggtatgc ttgattatat cctgttctat ggggtagatt 144540
 attatcaata ggcttgggtt tcaaagggtca gcctgtgtat tgtcgtgtct ttttttctgt 144600
 tctcatgatc gcggagacca cacagacgtg cgcgtctccc aatggctagg cggtcttttt 144660
 aggtagtaat tttttgatct ttttttttcc ttaacaagtc tggcttgatt tcttttatct 144720
 atgatcgatt cttcttttcc tcgggggttg catcttccgt gaaagtaaag tgacactact 144780
 ctaaattgta accatattat ctggtgatta ggagaaaaaa taatttttcc 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
 tgggtgggtggc 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 tggctctgat cgtctttttt ctaggcgctt ccgaggaggc gaagccggcg 146040
 acgacgacga cgataaagaa taaaagccg cagtgtcgtc cagaggatta cgcgaccaga 146100
 ttgcaagatc tccgcgtcac ctttcatcga 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 ttgttttagc gtctcgaaga gtatctgcac 146640
 tcgagaaagt agcgttgcca tttgcagtcg gctccggtgt cgttcacca gttacttta 146700
 taaacgtact gtttaaccac gttgcgtcgt gacgttgttt gtgggtgttg ctaggcgggc 146760
 tggaaagatg atgtataaat agagtctgcg acgggggtcg gcgctctgcc ggctgcggcg 146820
 gcactcgctc cacggcctcc gacgagcgtt gcgctcgcg cttgcgccgc cgcgatcatg 146880
 atctccctac taccgtcgtg cgaaaatatt ggacttttgc gaatcctaac cgcatcctgc 146940
 atcagagcgt caatcagact ttcgacgtgc gccagttcgt ctttgatacc gcgctctgg 147000
 tcaactgcgt ggacggcgat ggcaagggtg tgcacctcaa caagggtggt ctctgcgcta 147060
 ccattatgca gcacggcgag gcttcggccg gtgctaagac gcagcagggc ttcattgtcca 147120
 ttgacattac gggcgacggg gagctgcagg agcacctgtt tgtacgcggc ggtatcgtct 147180
 tcaacaaatc cgtctcctcg gtgggtgggt ccagcggacc caatgagagc gcgctgctca 147240
 ccatgatttc cgagaacggt aatttgcaag tgacttacgt gcgccattac ctgaaaaacc 147300
 acggcgaatc ctccggtgga ggcggtggtt gcggcgccgc gtctaccgcc tccgccgttt 147360
 gcgtgtcctc gttgggcggc agcggcggga ctgcgcacgg tccttctgcg gaggaacagc 147420
 aacggcgaag gcaggaacag cgtcacgaag aacggcgcaa aaagtcgtcc tcgtcggccg 147480

gtggtggtgg aggcggcggc gctggtggtg gcggtggcgg cggcgggagc ggcggtcagc 147540
 actcctcgga ctccgccaac ggactgctgc gggatccccg gttgatgaac cggcagaagg 147600
 agcggcggcc 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 tgctggcggc 147900
 ggtggtggcg gcggcagcgg ccgcatgtcg ctgccgctgg acacgtctga agcggtggcc 147960
 tttctcaatt actcgtcctc atcctccgcg gtctcttctt cctccaataa ccaccaccac 148020
 catcatcacc accataacgc cgtgacggac gtggccgccc gcaccgacgg tgcgttactt 148080
 ctaccattg agcgcggagc ggtggtttcg tcgccgtcgt cgacgtcgcc gtcgtcactt 148140
 ctttcgtcc ctcgaccag cagcgcccac agcgcgggcg agacggtgca ggagtccgag 148200
 gcggcggcga cggcggcggc tgcgggggta atgatgatga ggaggatgag gagggctccg 148260
 gctgaggcgg cggaggcacc accgcagtcg gaggaggaga atgattccac cactccagtc 148320
 tctaactgcc gtgttctcc gaattcgag gaatccgcg cgctcagcc tcctcgcagt 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
 aactcttcct cgtcttcttc ggctccactg ccgccgccac caccaccgcc gggcggacgt 148800
 cggggtcggg cccggaacaa taccgagga ggcggcgggt gtggcgggtg tagaaacagc 148860
 cggcggcagg ccgcatcgtc gtcgtcctcc tcctctcgga gatcgcgacg gagaaacaac 148920
 cgccatgagg acgaggacaa cgatcctctg ctccggttgt cgcaagtcgc cggcagcggc 148980
 cgccggcgag ggccctcggt cctcgaggac ggactcgaaa ttatcgatcc cagcgaggag 149040
 gctgcgatcg ccgccgcctc gatcgcggcg tttttcgacg attaaaaaac agagccgaga 149100
 ccggaaaaat tatgaaacag gacgcgcttg gacatttggg tttccacccc tttcggtgtg 149160
 tgtctatata tattgtgggt actgattttt ttttacaata aagagataga catcacagtt 149220
 caccaccttg tctccccggt gtgtctatta tcatcaatca cccacagagt cgccagcca 149280

tgggtctctcg gtaatgcgtg tccagatacg cgttggccag tataaagtgg tcgttgccca 149340
 cgaaggcgcg ggtggtgttg cgcggcgacg ggtggcagga cttgagtacc aagtgccgcc 149400
 gtcggtcgat caggtactcg caggtgtgcg cgtcggcgcc ccacagcatg aacaccagat 149460
 gctcccggcg ctctgacagc ctccggatca catggttact cagcgtctgc cagcctaagt 149520
 gacggtgaga tccaggctgt cagtgcacca cggatgaacac ggtgttgagc agcagcacgc 149580
 cgcgctcgcg ccaggcgctc aggcaacccg aggccggacg ctgaaacccg tccaccgtac 149640
 gcgccagttc gcgaaacacg ttgttgaggg agggcggcgg tggtcggcct gccagcgtgc 149700
 cgaaggccag gccgctggcg ctgccgtcgc agtacgggtc ctggcccacg atcaccacgc 149760
 gcacctgctc gggcgacac 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
 agtccggcgt agtatttata taggtggcgt agcagcggcg ggtccagctg gtgacgcagg 150120
 caaaattcct tctactgcgtt 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
 cgcggcgctg 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
 cggcgcgtta gttcgggaca ctccgcgggg actttctcgg cggcggtagg agcgacgctg 150720
 acggcgactg aggaaacaat gggcagcaga aggcaacacc acagcagtac caccggtcca 150780
 ggtgagaaag agaagccgca atccgggcgg cggcacatca agtctgcggc acgatgagag 150840
 tgtgacggta aggagccagt tggcgccgaa agttggcgct caggtcttcg atccctaaaa 150900
 cgttatatat tgcattccagc aggtgagcca ggctaaacgg attcacgtac caggtttggt 150960
 taccgcgac gatgacggcc agaccgtggg cgctacagtt ggagagggtc ctgggtacga 151020
 aggtaactga gtcgatgtcg cgccacgggg ggaatgagac agacgactgg cgcacgctgt 151080

aatcacaact gtgattgacg tattgtagcg tgtaatttag gttgcactca gcctcgaagt 151140
agaggggggaa ccacagttcg tcgtactcgt cgtcgtcctc cagttctggc tcttcttcat 151200
ccaccgcaat gtctacgctg ctctgagatt cctcttcgta caggatgatt gacaggttat 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 ttcttgttcc agaaaccgtt gacgttgaga 151500
tggaatcga cgtggcgctg gatgtcagat tgctgaccga ggaaaccgtg gtgggagtga 151560
tgacggtgtt actcgtggtt gaagtgacgt taggggaggt agtagtggtta ccggtggtgg 151620
cgacggtagt gtttgtcgtg gcggcggcag cggtggtact ggtaacggtg gtcgcgttgg 151680
tttccaccgc ttcacacagt aagcaaaagc acagggccag gaaaagcaac cagccccgcc 151740
atcgccgccg ccgcttcatg aggtgggcag gcgaaagctg gtgaattcgt tgtacagcgg 151800
caagtggggc gccgcgatcg aagggtacgt caacaagctg acgttgatat taaatacgtc 151860
tggtctgcttt 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 aaggtcgac atgggcggcg tggtgaccgt 152400
ggcggtggcg ggcagacgg ggtttgcggc gacgggcaact ccggccacag cggcggcagc 152460
ggcgggccacg gcggcgctgg ccgagccac acctgccggc agtcctccgc caccatgac 152520
gccgcccggc agagcgtcgc ccagacagac ttccacagtg gcgggcgcgc tctcggcggg 152580
cagtacggtt tgccgatcga cctcgcgacg aaagctggtg aggaactcac tatgatccat 152640
ggccgcaggg cccgagatcc cgggattctg cgggtgctga ccgagtgcgg gccgagttat 152700
atggaagacg attagcttgg agcggagttt tgcgtcccta 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 ctcttggtgg ccggggccag 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
 agcagtggtc gtgttcctga agcagcacgc ggacccgcat cgtggtagcg ttcaagcgag 153600
 tcccgtagac ggcgtaaatg ggataggtga aaagggtccca agtggcggtg tgatggcggc 153660
 cccaactgaa gaaagagcac gtgtactcag tgggtctcctg 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 aagtgcggc gcttggtggtg 154200
 ctacttttca ctcccgggtg catgtcgccc aagagcgcaa ctacgagcgc gatcgccagc 154260
 acggaacaca tggtgccgtg tgacgagacg gcgtgtggac gagctatatg tggcaggagg 154320
 tcgcgtcacc tcttgtagc 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 tggtgagaaa gcgtgttttc aacggggtac ttatcatcat ccctgaggcc 154740
 aaaaagggcg aattgcaagc tgtagtgta caaaaaatag tcaagttagt gtcatttgtgt 154800
 tgatacatgt aagccatgct cacttcaggc tcataccacc cgatcccaat cgcggccgcc 154860
 accgtcacca cgtcccatct ccccaaactt accaccgcca ccactaatag cgtcaccccc 154920
 gcacggtaca 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 agccccgtat gtgcctctcg 155460
 ccatcagggc tatacacatg agggggagaa ggacaagtat ccgggaccac ccgcaccccc 155520
 acatcacgag accagagaca gagatgtata aaaaaagcta cttttattaa acagcattct 155580
 caccacacgt taatactgtc acggggaatc actatgtaca agagtccatg tctctttcca 155640
 gtttttctact 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 gtcaccgcg gctttgacgc cttcgttaca 156000
 agcatcggcc gtgcgctgcg ccacttcggg tgggtgtgtc acaggcatgg tgtgctccat 156060
 gaggaaggga gtggagaggg ccaggttgca catggtgccc aggcgacacc gcaccgcac 156120
 cacctcactc ttcacctcat gattgcgggt gtagatgatc tggatgccct tgttggtcac 156180
 ctgcatggtt ttgcaagctt tgatggcctc atctaacacc tggtcatac 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 ccacaaaac cgccgcgcc atggtggctc gaggtcacgg atgctcctcc 156540
 gccactgctg catttcatct cctcggactc actctccgag tccgaagccg aactgcagga 156600
 ggaggaagac gaagaggaac tatcttcatc gggccggccc aagggatcgg gaagaggagg 156660
 gtggttcatc tgggagagcg ggtgctggg agaggctact cgcggtgc cgctgccgg 156720
 ggaaggggaa gacgcggtag caccgcgggt ttcgacttct tcaccctgtt cttcctcgct 156780
 atcagagatc acgatacagc cggcggtatc gataatcttg ttgcggtact ggatggtaaa 156840
 gtcgggctcg ggcttgatgt cttcctgttt gatgaggggc agcatgatag gcgcgggagg 156900
 cacgggcgggt ttaataatca ccttgaaagg acgcgtgggt ttgcgcgggt tcttacgcgg 156960
 gctgagctcg ggagtagcgg atgccccggg gagaggagtg ttagtaaccg cgacgctgg 157020
 gggggtcggc ttgttaagag gggcgctgct aacgctgcaa gagggggttg 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 gctcttgct ccagagggtg tgggttcctc agcaccatcc tcctcttct 157380
 ctgaggcaac ttcctctatc tcagacactg gctcagactt gacagacaca gtgtcctcct 157440
 gctcctcctg agcaccctcc tcctgttct catcactctg ctactttct tcctgatcac 157500
 tgttctcagc cacaatcact gaggacagag ggatagtcgc gggtacaggg gactctgggg 157560
 gtgacaccag agaatcagag gagctagcac cagcgggtggc caaagtgtag gctgcaatag 157620
 catcttcctc atctgactcc tcagcgatgg ccgtaggtc atccacacta ggagagcaga 157680
 ctctcagagg atcggtcccc agaatgtact gggcaaagac cttcatgcag atctcctcaa 157740
 tgcggcgctt catgacattg ataacctcag gcttggttat cagaggccgc ttggccagca 157800
 tcacactagt ctctctaag atatagcagc acagcaccgc aaaaaactca cttagagag 157860
 agatggaccc gtacatggtc atcatacaag cgtcactggg gaccttgtag tcattacaca 157920
 tggtttccac acatgtagtg aggatatcca taaatatgtg atcaatgtgc gtgagcacct 157980
 tgtctctctc ctcatccaaa atcttaaaga tttctgggc ataagccata atctcatcag 158040
 gggagcactg aggcaagttc tgcaatgccg ccatggcctg actgcagcca ttggtggtct 158100
 tagggaaggc tgagttcttg gtaaagaact ctatattcct gtagcacata taaatcatct 158160
 ttctcttaag ttcactcttc ttagcacggg ccttagcctt cagtgcaccc cctaacttgt 158220
 tagcggcgcc cttggtcaca tcatgcagct ccttaataca agccatccac atctcccgct 158280

tatectcggg tacaatgtag ttctcataca tgctctgcat agttagccca atacacttca 158340
tctcctcgaa aggctcatga accttatcta agatatctaa ggcattctgc aaacatcccc 158400
ccatcatatt aaaggcgcca gtgaatttct cttccgtctg ggtatatttt ttcagcatgt 158460
gctccttgat tctatgccgc accatgtcca ctcgaaacct aatctgtttg actgtggagg 158520
aggataacaa cacatataag tatccgtcct cctgactcat ttatcgctac ctcgatgccc 158580
cgctcacatg caagagttaa tcttcactct atctgacata cacaagtaaa tccacgtccc 158640
atgcagggtta gtatatatca catacatgtc aacagactta ccgagttctg ccaggacatc 158700
tttttcgggg ttctcgttgc aatcctcggg cacttggtca 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 ctgagctgcc 159240
tgcactttct tctgccgctg ccttaagtct tccaaatgcg tcagcgggtgc aagcccgtc 159300
cccgagctca ttttcagaca cataccctac cgccacggcc ttgtgcggca cactggtggt 159360
ggtgggcatc gtgctgtgcc taagtctggc ctccactgtt aggagcaagg agctgccaa 159420
cgaccatgag 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 ctataggcgg 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 caaaccgcta 160200
 tccacgcca ttgatgtact gccaaaaccg catcaccatg gtaatagcga tgactaatac 160260
 gtagatgtac tgccaagtag gaaagtcccg taaggatcatg tactgggcat aatgccaggc 160320
 gggccattta ccgtcattga cgtcaatagg gggcgactt 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 gacccgtaa 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 tegtctatcg 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 ctttttagcg cggcacacat ccagccgttt gtgtttctta acgctctcca 161220
 ggtactgatc caggcccacg atccgggtta tcttgtcgta ttccagggtg atccatcgat 161280
 agggaaacgt gccagcggcg cccagcaggt actgcgcctt gtcgttcact ttgccgcagc 161340
 gtattcgccc gtcagcttcg aggtataacc tacaacacgg aaggggggta caaacgtga 161400
 aattagactt ttttttttaa tgatgttttg tccctctctg tcttactctc ccataggctg 161460
 taaggccctc gaggaagaga cttacggatt gtagttgcag ctgctcagtt 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 gcagaaggtg 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 gacccttaa 162360
 taccgctgg aaccccgaga attgcaaggg ggaccgtggg ggcgaggat agataaaagg 162420
 acagtaaaac gtcgccgcgt catgcggttt ggaatacgtc agtttagacc atagcgggga 162480
 cggattctgg ttcgccgtta gcgttgacca cggagacgcc agacagggcg ttgccc aaac 162540
 cgcgcacaga agcaggcagt gaaagtgggt acgaagcaga agccgtagca tattatttcc 162600
 cgtgacgcag gctagttggc aaagagccgc acgtgaact cgaggctccg ggctgcggc 162660
 gccagcgaac cggcggcgtt gaacgtggtc cttttgttg tgccgccgcg acggttctga 162720
 cgtctaaagt cgctgatgag caacgacacc tcggtcacgt tgattctgca agcacaggtt 162780
 ccgaacgtca tttcacacc catgcggtta cctgccgtt acccgttcgc cttaccttc 162840
 ccgttgatcat acacctttag cgcgtatcct cacctcttga gcacgtcaaa gttgtccaag 162900
 ccgtggctcg catcgtagtg gtagttcaac gtgaggtcca cgagctgttc cacatacttg 162960
 taacgggttt ggtcgggcag cgcgcgagag cacgcgtccc agtaatgcgg tactcggtaa 163020
 taatcgtttt tttctgcggt ctcccgctgg cactgaccca gcaccacggc gcacagacaa 163080
 acagacagcc acacccgaca cagccgcatg ttgcagactg agaaagaaag ctttattatg 163140
 agacatcata cacatagtat aggcgaggtg atggggcggg gaaagagttg gaaccgaaag 163200
 ataaaaaaaa aaaagcctag tcgtactcgg gatctctgag cgagacgggt tgcattgcaa 163260
 ctttcattag tttgggaatc tgccagctgg tgctgttcga aggttcttcc atttccgagg 163320
 cggtcagttc atcgtaacac gagacgtagt acctgatggg gtcttctca ttgtccgaga 163380
 ggtgagattc gatggtcaaa ggcgagcctc tcccataatt gggattcacg aacgacgtgt 163440
 ccaagttgcc atcctttctg aaatagatga cgttctcagg atcatgtttc atgcgtcgc 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 caggaatgtt 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 aatagcgcgg tgacgtacgc cgcggggcct tagaatctcc 164400
 acctgtaagg ccatctcctc 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 gttcaccgtc gttgaccacg taggccacgt agaggccaac attttccacc 164700
 acgggttcta gctgcaggcg gcacgtaaag cttagaaacg acggctgtac ggtttggttc 164760
 ccgtgaagct gaagcgtcac ttccttgccg gggctcactg tgctgtaacg ccgcaccgag 164820
 tcggctcatct gctccggatc ggtagaccag aagggcgctgc 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 ccagagcta ccgcacggta aatagggac atgatcacca 165360
 gcgcagtctg aagtgggtgg agttcaattt cttggcgtat ttccagagaa aggctttgta 165420
 ggccgtaggg gctggccagg caccaaactc aatattggta gacactacgt cgtaaatgcg 165480

ttgtttcttcg tctaagatta accgaaaaaa tagccggttg atgtgacgac gcacagcttg 165540
 cgcggttagga ttgagacact tgggtgccctt gtccttttaa atagccagca cttcctgacg 165600
 attgcagctt tcgctcgtcg 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 acactttcca 166200
 ctttatagca caacgcgatc aaaagaccaa acagactaaa aataaatcgc attataattt 166260
 tattatctac gtcactatca gtaattcgta atatccggtt ttcccggaaa atcactcaaa 166320
 actacgtcca tgacacatca actcccgata actacctccc ttgaaatcg gatcccccca 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 cagtgcggtc tcgggtccgt gcacacaaca gctgcacggc attatgatgc 166860
 ttaaaaattaa ccataacgct ggggctactg atgaaggagt agtaatgagc caggacgccg 166920
 tacatcgaag gcagcaagaa agagtacag cacaatagca ccgggctctt atgtaggcga 166980
 cagcttattt ttctgacgt cgcaaaaag 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 gtgatgttg acgcctggaa cggacaacga cgtataattc 167400
 ttagatgcg c 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
 agctcccgtt aaacattaga ttaatagacg ctagtggatg acagcatgtt attcgcccaa 168240
 ttgtgatggg ggttatactt tcttgttttt tgctcatatg ctgtaagggtg ttcgaggatc 168300
 gtggggagta tatgtgttaa atcggaatca tatttactga ccgcgccata cttcgtatac 168360
 gaacctaacc ggcgtaaagt gttttccgat atataaactg ggcctattg tggctgtagc 168420
 gcccataggt atggcatata cccacggtga tggtgtgtta ttcgtttttt gtgataaaac 168480
 gtagtttatg tttacgtgt gttccgtcac gttatgtgtg tcgttaaaag acggcgtctg 168540
 tacagtatgg ctttgagttg tatcttgaat tgttattgca tttggagggtg tgtacagagt 168600
 gggtgtgtg 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
 ataggtaggt gtactgtttg tgaggtcgca agtgtgattt tcttgcagag attttatcca 168900
 tcttgtgtga aaatattgag atacgcgatg 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 attccaggtg gtaacgatag gataatgacc gttcgcctccc 169200
aacggatgac acaaagtatc cgaataacca acacgcccac tcaatccgca tatttttaatc 169260
acactattca catttcacac actgcatttt ttaacatggt 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 gtttccagca 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 ttgcgcagca 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 gacgtggtct cataattctc ggcccacatc 170220
ttttcggcaa tgtcagcggg ggcgaagggg aacgaagagg aagaatattc gaggagtcgc 170280
gggcagctca acagcaccca gaacagccac ggcagagttc ggagcgactc tcggcggcac 170340
atgatgattc tttctttccc tttttcgcag agacgctgcg cgctgctcc tgctccgtgt 170400
gtcggccgct caaacgtcgg gccggcgtgg tggtgaccac cgtgcgacgc agcttctcgc 170460
ccgggatgcc cgcgactgag cgtccggttt ttttgcaggt cttttttgct gcctcctcct 170520
cgccgtcgcc gtcgcgccg acgtggtgga ccagcaccgc gcaggaactc tcgcgtcgcc 170580
ggcggtagcg 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 cgcctatcgg acgcgggtga taaaagaacg tacgatgaca cgctgttagt 170940
 acgactctcg tcgtcgctct gggaacgacg tgatggacga cggtagatga cctcgctctg 171000
 ccacgcgtcg aagcggtcgc 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 cgtgttggtg gtagcactag 171720
 tagattgact ggaattagag ctggtacctg tagtggtttc actcgccgat gcggcgagtg 171780
 caaataaaat taatatccac agcatgttta ttactatata attgatatac gaaccctctt 171840
 gtcgtaacaa tcagcgttat acacgctgta tcggcatcgt tttaccggaa agtttatcgt 171900
 aatgtaaccg gcgttggtga 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
 cacacccggg agccgcctga tcgccaggga ctctcaccg tccatcgctc gaacaagctc 172200
 ccgccaccga tgctgccacc atcaccgaga gaaagaaccg cttgctgcag atacgcttgg 172260
 gctcgcctcc gtgcggacgc cgtttcgtgc agacgctgag tagatcgagc agagaatgtc 172320
 aaaacgacat taccgcgatc cgctcccctc ttttttcttt ttctcattca cgtgtattct 172380
 tgatgataat gtaccatggc tacggtggtg aactgcgtcg cggatcccgt cacgggtttc 172440
 aacagatcga cgtcggtcag cggcgccgtc accgccatgt ccggcgaggg cacgctgttt 172500
 ctctggttag cgacgtggac cgacgacgaa gacgatgaac ccgcgcggcg gtctgttatt 172560
 cgcgacgacg cgtagctgca ctgggaagac acttcctccc aacggaccaa gatctcatcg 172620
 ggccgttcgg agaaacggta tcgtctgtcc gactcccgcc gtacggcgcc gagggccagc 172680

gacgacaggt cgcgaaccg gcgctcgat 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 ctgcgcggg aacggccccc tcaaccctct tacgtagcgg gagatacggc 172980
gttctcccg cggccactta cttgcacggt cgcttgaacg gcggcttgga ccgccacatg 173040
taccgcatcc atccattctg gcagcagcgc gttcgacgac gtcgtacgag tcgcggatga 173100
tgttaccccg ccagcacctc cgccggcaac cgcgtcgctg ttgctatcgt cgccgggttc 173160
gggcgatgac agcgccggcg gcgcgggtct cgtctcgctc accatttcca ccgtgtcgaa 173220
gcgacagccg ctgccgtagt acatggcccc gttcaacggc cggcggggcg ggtcgccgag 173280
ttccgggtcg ggcacatcca tggtcgcgg tctgcttctc tgccgctcgt ggtgccgacg 173340
gcacttctca ggataatgac agccgcaaaa tagatcgtgg agcatgtctc gccaaactgtc 173400
ctggtggtaa tatcttaagt acgcgatgag cgcgcgatg gccataatca taagcgtaag 173460
caaaacggca cagataacgt gaaacaccgc ggtcatccaa gtcggggcggc gtcggggacg 173520
cgggtgggtcg gtttctctta cgccggcgtc actcagccac cacaccgta 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 ctcggcgctc ttcatgacgc tctgcaccgc 173820
cttttccaag agttcctcga tgtccgacca tcgaggaggc ggggctaact cggaaaccga 173880
cacgataggc agcgtggtcg gtcgcgtcgg cgtgcgggggt cggggacagg gacacgagag 173940
tcccaccttc gagagattct ccagcccagc ggtgcgcggc agtctcgat tccgcggtgg 174000
cttttgtggc gtcggcgttt tcgggaaggg cctgggcgtc accggcggtg tccagccgac 174060
cggcttgggt ttcgtggcg gcggtgtttt cttggtgggc ggcgtgctca ggttcttacg 174120
cggcgcgggt atcggcgctg 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 gcggcgctcg cgggtgggtg gccaccgcga tgagccccag 174480

ttccagatcc agcggctcga cgacgtcttc tttcgggaatt cgatagcagc acgcgcaggc 174540
 accacgctta tcagaagcag cacccgaggag cgggcctcgc gacgaagtct cgtcggatcg 174600
 cttgcggcct cggcgctggg taaataagga aatggccagg accaggggaag ccagtccggt 174660
 accgccgagg agcccgacgc cgagccacag ccacaccatg atcttctctc ctgcttgga 174720
 tctcaaactc cgtgtcggga agggccggtg tacggacatt tatgccttg atttctgga 174780
 acgtcatttt ttggcaagga atgtgtttat tgtccaaaca ctgaggaagg agatgtgagc 174840
 caagtcggaa aattccttat cacaccgggg gcggttacg 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 tgggttcga tgcggtgtt 175140
 ggcggctgcg gtgggatgac gggctggtgg gactcctccg acggcggggg gacgaatact 175200
 gtcggcgccg aaaccggggg actctcgact atctcgcaga tcaccctgtc gggatcgctg 175260
 ccgtgtccg gacgccgtcg atgaccatat tgaaccatgt cgtaaatacat cgtctccttg 175320
 taacacgctg aacagcagcg gctacaagga cccgaaatgc atttgacgct gcacttacag 175380
 ctgcagctgc agtagcgcac ccatcggcag gtgaagacgt cgattacgga gtccttgaag 175440
 aattcccgtt aacggatgag atacgcgcag aggaaaatca tgaaaacaga acagccgact 175500
 acggctgcga tgccgggtcc cgaaaacgta ttcggtgatc ctaccaaaca ccaaattccc 175560
 agggccgcgc atgttatcca ggccacaata atcgtgggaa cgccccattg gcattgccac 175620
 gaaggatcgt gcacgtcgca acccatcgct actgcgttct ccacaaacg ccatcgact 175680
 atttatccct acagcggctg ccgagtcacg tccgccggcg cccatcggcc gcggcgatct 175740
 cctagtaaca ctcgtcogac acttcacca tctccagctc cgccggcggt tcggcatcct 175800
 ccactagcgg cgtcgtctca tcttttcgc 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
 cttcctccgt gacttaaagt cgcgtgtggt agatctcctg ttccgtggac gaaccgtccg 176160
 gcaggatagc ggttaaggat tcggtgctaa ggccgtgtcg ccaacgtcga atgctacgtt 176220
 gcaacagctt cgacggacgg ccatcctccc tctcatcgca ataataaac accagcagcg 176280

cgcacgacgc gatcacggtg acacccatga ccagacccac gcagatagcc agccccgcta 176340
 gcgtatccag cgccatccccg ttcgctccccg 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
 cagcgctcct tccccgtgct tacagccttc ccctgaaacc cacgttaacc gaccgtccccg 176700
 aaaacaccgg tgtaacaca ggaaaaaaag gaaccgcgca ggaaccacgc ggaacatggg 176760
 aactatctg gaaatcctgt tcaacgtcat cgtcttcaact ctgctgctcg gcgtcatggt 176820
 cagtatcgtc gcttggtact tcacgtgaac caccgctcgtc ccggtttaaa aaccatcatc 176880
 gacggccggt ataaagccac ccggacacgc gccgcggcac ttgcctacgg cgctgctcca 176940
 gggaaactcc tcttccttct gctcttctc cttcaccgca gggatcgttt ccctcgacca 177000
 gggacccacc gaagcaacta ccggaacaac ctggaggagt cgcgccatga cggcgcccaa 177060
 gtgtgtcacc accactacct atctggtgaa gaccaaggag cgcccttggg ggcccgacaa 177120
 cgccatcagg agatggtgga tcagcgttgc catcgtcatc ttcacgcggag 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 cggtaaagtga 177900
 ggatgttgcc gagcaagcgc acttgccggc cgtgatcggc acgcgtgtta ttgtaggttc 177960
 gttgccagat ggcaagtgct gtcaacagca gacgttgtgg gcggtcgggt tatttttgtg 178020
 ggttgcggtg agagtcggca ctcggtgttt tgtgagtgat ctcaaccgtt tgtgttgctt 178080

ttagcagcgt ccaaaacagc gacgcgactt tggggatggc ctcgtgctca ccgccgcgga 178140
 gagtgctgcc ggacctgctc gtcagcagcg agctacgcag acggaatata tggaggagag 178200
 ttacgtgtgt cacaggagag cgcgggtctc cggcggtaac gacggcgggtg tcgtcgacac 178260
 gtgtgcggcc tgctgtgctc tgcggaaaag cgccgggtctc ggagaccgtg gacgaaaaag 178320
 agaacggagc agctaccgct ggcggcgggc gcgttaatgc tgccgttgat gttagacgtt 178380
 gtgagtactc ggaaacagcg gtgaggcaga agctcgatcc ttcagggaac gacagtcgat 178440
 gtgtggtagc cgcagcaggt gaggttgggg cggataacgt gttgcggatc gtggcgagaa 178500
 cgtcgtcctc cccttcttca ccgccccacc caccctcggg tgggtgttct ttttcttgt 178560
 gtctgcaga tagttccacg gacagcgacg gcaagtccat aatcaccggt gtgcaagtgg 178620
 tggaccacga cgaagatata atcgcgccgc agagtgtgtg gtgcacggcg ttcaaggag 178680
 ccctttggga tgtggctctg ttggaagtgc cgcgttgggc gtggcagggc tggaagaggt 178740
 ggcgaacag cgagtctggg cgtcgatgga gtgctgggtc tgcgtcggct tccagcttgt 178800
 ctgacttggc gggcgaggcc gttggagaat tgggtgggac ggtcgtcgcg tacgtgatcc 178860
 ttgaacgtct gtggttggca gccagaggct ggggtgtgca aaccggtgtg gaagccgagg 178920
 aggctatggc gcggcgggca cagcgcagtc tgtggcgat gttctctcgt ggaggcgacg 178980
 gcgaatgcag cagacggtgt tcgatggaga tggcgtgca 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 tagcggcggg tgtgataggg cgaccgctga ggcgagctgc gtgtgctgc 179280
 cgtctgtgtt ccccgctccc gccgcaagag tccccgctc ccgccacgca acagcccgc 179340
 atcccgaac tccccgtccc cgccgcgaaa ggcccccgtc cccgtcctca ccaccgtccc 179400
 cactcccgtc cccgtctccg caacgccccg tccccgcccgc aaaaggcccc cggccccgca 179460
 acgcatcgtc cccgccgcaa aaggcccccg tgcccgtagc cgcacacccc ccgtccccgc 179520
 cgcaaccccc gtccccgtcc ccagcgtaac tcccgttact agcgcggcg cccagcacgc 179580
 ccgaaaacac cgccgtcgcc gccccgaaaa gcgaagcgcc gcgcaaaagc tgcctagaaa 179640
 cgccgcgcaa acaccgtaga aacaccgcc gccaaacccc gagcgcgcgc 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 caccctgtcc ccggcgccgg 180120
 tccgcgaaac aaaaaacacc gcgggacgac acgcaccggc agtgcgacac aagcgccgga 180180
 cacagcacgc cgcaaacgcg ctgaggacac cgctgcgctt acttatgtcc agagacacac 180240
 gcaccgccag cgcgcagaaa 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
 cgcagaaaagc tccgtggaca aaactccgcg agccctgtcc agccctcagt cctattccgc 180720
 gaatcggcgc gcttacggcg gcaaaacctc cctcagcccc gtcccgccacc ggcggcggtc 180780
 ggggtgtgtc gggggcgcgg ctgggtggat gcgtgcgtgg ggtgggtgtc ggggtgtgtc 180840
 gggcggtgtg cggtgtgtgtc tgggtgtgtc gcgggctgtg ggcggtgtg ttggcggtgt 180900
 gtgtcagggg tgtgtcgggg tgtgttggcg ggccgtgtct gcgtgtgtgc cccgggggtc 180960
 gcgaccccc cctccctctg ggcgatcgct tctgcgtgtg tcctcgacgc gggttgtgcc 181020
 gtacttcgtc tgcgttttcc cccgcggtcc cctagggact tcctcttttc 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 ggagggaat 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 catatccac ggctgttcaa 181980
 tccaggtatc ttgcgggata tcaacaacat agtcatcaac cagcggacga ccagccggtt 182040
 ttgcgaagat ggtgacaaag tgcgcttttg gatacatctc acgaatcgca accgcagtac 182100
 caccggtatc caccaggtca tcaataacga tgaagccttc gccatcgcct tctgcgcggtt 182160
 tcagcacttt aagctcgcgc tggttgtcgt gatcgtagct ggaaatacaa acggtatcga 182220
 catgacgaat acccagttca cgcgccagta acgcacccgg 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 cgcgccgact gcatctgcgt 182520
 gttcgaattc gccaatgaca agacgctggg cgggggttgt gtcatcatag aactaaagac 182580
 atgcaaatat atttcttccg gggacaccgc cagcaaacgc gagcaacggg ccacggggat 182640
 gaagcagctg cgccactccc tgaagtcct 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 gaccgtggtc 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 aattttctct 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 gttgggcat 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 ttgccatta actcagtttc aatacgggtg agagccagac aggaaggaat 185100
 aatgtcaagc cccggccagc aagtgggctt tattgcataa gtgacatcgt ccttttcccc 185160
 aagatagaaa ggcaggagag tgtcttctgc atgaatatga agatctggta cccatccgtg 185220
 atacattgag gctgttcctt gggggctcgtt accttccacg agcaaaacac gtagcccctt 185280

cagagccaga tcctgagcaa gatgaacaga aactgaggtt ttgtaaacgc cacctttatg 185340
 ggcagcaacc ccgatcaccg gtggaaatac gtcttcagca cgtcgcaatc gcgtaccaa 185400
 cacatcacgc atatgattaa tttgttcaat tgtataacca acacgttgct caacccgtcc 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 ctttttcatc 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 tgtcacagg 187140
 ttaagggcaa tttgtcacag acaggactgt catttgaggg tgatttgtca cactgaaagg 187200
 gcaatttgtc acaacacctt ctctagaacc agcatggata aaggcctaca aggcgctcta 187260
 aaaaagaaga tctaaaaact ataaaaaaaa taattataaa aatatccccg tggataagt 187320
 gataacccca agggaagttt tttcaggcat cgtgtgtaag cagaatatat aagtgtgtt 187380
 ccctgggtgt tctcgtctca ctcgagggtc tcgccgtcgc tcgactgcgg cgagcctact 187440
 ggctgtaaaa ggacagacca catcatggtt ctgtgttcat taggttgttc tgtccattgc 187500
 tgacataatc cgctccactt caacgtaaca ccgcacgaag atttctattg ttcctgaagg 187560
 catattcaaa tcgttttcgt taccgcttgc aggcacatgc acagaacact acttcctata 187620
 aacgctacac aggctcctga gattaataat gcggatctct acgataatgg gagattttcc 187680
 cgactgtttc gttcgttctt 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 ttcagcggta 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 aagctaaaaat 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 gcctggttgc 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
 tgcgtgatga 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 cggacacggt tatcgttcct ggccgatata 190260
 agtatataaa cgcgagttag cttttccgt cgttttgta caccgttcc 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 gtcgtcgag gttatccact gaattccgt aactgaaata acgtatatgg 190620
 taccgaggct ggcaccacat gggtttgcgt ttggtgcacg gcaccaaag cagagtgaga 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 cgttgttaag cggcggaaaag 190920
 cgaaactgac gtgccggcgg agccacatag ttccggttcac cgtgttgctg cggttcgtcc 190980
 tccctatagt aatagtagtc gtcctcatag gggttgccgg cgtgagccag cgttacccaa 191040
 cagcagccca ggccgacgag gaggcgcagc caccgcctca tggcggcttc gccagtcaat 191100
 cgtcttttagc ctcttcttcc cgtgaggctc ttccggtggc gcggtgccga cctcggaccc 191160
 agggaactat ccacctcagg tacacacagc aggctacctg gacaccgaag ctgaacaagg 191220
 ctacgtgttt caaaaactgc accagtacca catagaggaa tgtcaggtag cgtctctccg 191280
 caaacagccg ttccaagtct gagggcggtta cccgcagcgg caaccagggc agcctggacg 191340
 ccggccggca atggagcacg ctccggttac aggcaactgca ggggtaaacg gttaacatca 191400
 cgtaagagag tcgtgcgtcc acctgtggga gctcagtttc gtaacgtaga gccccgtcat 191460
 tttccagctg ggggtgcgcg accttgaaat gggtcgcgct ccgctcggtta ccccaggtgc 191520
 cgtaggctct cggggccgta tcggagaagt tgccacgcac aagccaggcg gccacgagta 191580
 ccccgctgctg gacgtaacat tcggacacgg aactggagac acggtagccg gacacgtccc 191640
 caaaccgcg aggggtactgg ggcagacgga cggacttgct atttgacaac ggacagatac 191700
 gagacgacga ggacgcagac gactcgtcgc tggaccacga caaccggagc gactccttgg 191760
 agcggctcga gactacactt actgcgatca gacaccagtg ccagaagaag 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 cgggcccagc ccgggaaagc 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 cgaagcggtc ataacaatcc 192420
 cgggaggcga gtgttagggg agcagagtag ttccggggtc ggtttccttc cggcgacgac 192480

agttccgtgg gcagcagaat gtacagcgcc tcggtagctg tcgcggtgcc ttccacgagg 192540
 atgggctgcc ggtgcctttc gtgattttcc ccgtcgtgta gccaaagccga ggcccgc aaa 192600
 gtcttaggcg aggggaattg tccatagagt ttcaccgcac ccttcagtag atggttctga 192660
 ataacacagc cgcacgtgaa gtaggtaggt tctctcgtct cctccgtggc tgccgccacc 192720
 actcccagcc accacaacag gcagatcgcc agaggggttcc ggaggcttcc ccggcgtagc 192780
 atggtttttg 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
 cgttcgatgt cctctaacga gctccacagg ggaacccaag gcacgaggca ccgggggttcg 193080
 cactctacat aataagtttg gcattggtgg cagggggaaa agtagaacia cagagtttt 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 gaatactcta ctcggtactc cgaaacatcg 193380
 ggcagaggcg gtaacggctc cgtctccacc aaggggcggag gttcatcgaa aagagtcaag 193440
 gataattcag gcatactacc cgcgaccggg gccagaggg 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 tccagaaggg cagtgtatcg 194280

cgcaggtagg gggttgtcac ggcgccacggt atgagcatga aaaggatggt agtggctatg 194340
 gtggcgctgg tctggaacac gacggtgccg tagagacgta ccatccagag aaagtgttga 194400
 acgctccgca ggggtgtcttc atcttttggtg attacggtga ctcgacggat cggcggtggt 194460
 gacggcggcg acacgggtgg gggtttctct ttcttatggc cgagtggctc gccttgggtga 194520
 aactggatct gtaccatgac ggggtgctcga cgaacagtcg tcggggcttc aggtaccccg 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 cgccgggtgca 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
 ccaaattcatt ccgcagaaag ccgtactgat ggcgatgtga aagaccacta gggcgtagac 195300
 ccggacgagg acagcaaaac ggcgcagcca cataaggccg tgggtgcagct gcaggaggga 195360
 agcccattgc ggcgaatgta ggcacggcag 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 gcccggcggt ggtgaacgag agaagcgcca catacagcgc aaacaccagg 196020
 ccgttgctgg ggtgtctgtg atcggtgagc tccagcgcgc ccagaaccaa tactggtgtg 196080

cagctaagca atagcggcga gggatcgtcg ctgcactcgt agcccagcga ggggtaaccc 196140
 agccaaacca gcgcgctaata gagtacgctg aaagcgggtt ccagcgtcag caatccgtag 196200
 acacgcatga cgatcgcggg cgcgcgtagc caacacacgg cattttcgga aactgtggac 196260
 gctgttttccg aataccggga ggagatcgtg cttccctctt ccaaggatcg gaaagtagcg 196320
 tccgtcgttt cgcgcggacgc ggcttccctg gtacgctccg tttccgacga cgcgggtttcc 196380
 cgctgcgtgg aaactgtctt catgtcggga ccgcagcgcg cgcgggcgta tccgcaagg 196440
 ctcgaagcta cagcttgtca gaggaaaagt aggtttgcaa aaaggtgcgc aggggtcatga 196500
 ttctcagcac catcagcaga gtgaaaacca gactgagaaa caccttgacg gccgcaaaaa 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 cccacgggcg 197100
 cataggtgtg cagcgccacg cggcaacagt cgaccaagc cagactgcgg gtcgccagcc 197160
 gggctctctg gatcccgggg ggcacgtaga tgaccgtgcc atcgggtgggt acttgaaacc 197220
 ctttttctct tctcatggtg cgctgcgttc tctggaaacg gctgctctgt ccgaaaacca 197280
 gttccgaacg aaaatctagg gcgagagggt ggacaacggc gtcgacgacg aagcatggga 197340
 caggctcgtt gcggttaacg tcatcgcgtc ggacgacggt agttctaaga gacgtagatc 197400
 gctcagcagg tctgacagt 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 agcgcgggga tgtgcgccag 197820
 gaggccggcg agtaatagca ccagctgtcg gaacggacga cgcgagcgcg ggtgccggtt 197880

tcgctgagcg agaaccggtc gctcatagcg gaaatacacg aagagcgcgg aggccacagg 197940
 caccaggagg agcacctcgg gcgcccagac aacgtgacaa ggaaagcccg gacgcgactt 198000
 gagagtgcgt gtagggaaga ccagagagaa gctacccaag acggccaccg ccgcggagat 198060
 ttggaagagg agcaagccgg cgattcggac gacaacctcg aagcgatgca cccagcccag 198120
 cacggccacc acggccgctt catcatagtc gtcgttggtg ccgctgtcga acagccgccc 198180
 aaacacgata tgtcgtggg tcgcgggtgg aaagcgcaga cccatgacag ccggaggcta 198240
 tatgaccgcg cgtctaagac gcgagatccg tggggggact ttagatgtt tgggcggccc 198300
 gcagttctaa caggcttgat tgggtggagac ggccggcgcg gcgggtgggg gaaacgacga 198360
 gtttttccgt tacgccatgg ttcgcgtgag gtttctctgt acctcccgca aaaggtcaca 198420
 gcccgaaatg gaggccgct tgggtggcccc ggtggcgcggt 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 cacgggtgctg 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 aactcagat aagcgtgaaa aagctttatt 199380
 gttgaataaa aaacacgagt acaacaccga gttgcgggtg cctgtctgtc tactgggtgg 199440
 ggggggttca tcgtctgtct ctagagggaa ggtggggaac gtctaagcga gcgggagcgt 199500
 gtcactctcc ccatcttttt acaacaagct gaggagactc acgccgtcga tgcgtccgcc 199560
 gtgtttctcg gcgtactgct gcaccagac gtggccgcta aagatggcga cgctcatgtt 199620
 taggagactc atgacgatgg tgtacaacac gacgctgaca catacgctgt ttttagacaa 199680

cgttccacgc tggtagatga gatccagggt ctcgtaaata agcacggccg aagcggcggt 199740
 caccaccagg acgtagagtc cgctgtagat cttgctgacc cacagcacgg gcgaaaagta 199800
 aagcaatagg taaaagacga tgacggacca gccgtagcca atcccgatga ctttccacgc 199860
 cgtgggattg ttgccggcca ggtagggtgag accgctgcag agaacgaaaa agaccatcac 199920
 cagggcaaac gacagaccga tgacgcgcct ttctccgcaa aagcccgtgc acacggtgat 199980
 gccggtgttg atcagcaagc acgccaccgt gagatgagca aaattggtgg tgtgtgggcg 200040
 aaactcggcg aaaccgcgta gcatagccag cgtggacacg ggtacgatgg aggatagggc 200100
 tggcactatg ccgttggcgc actgtccctg cacatcgggg aaggcgagcc aagccagcaa 200160
 gcagaccgtg aggggtacaag ccagctgcc aacgagcccg tgatagacct ccatgagcag 200220
 cttaaagcgt ttcaaccatt ggaagagctg ctgttcggcc accagcgcggt ggctgcgatg 200280
 gagcggcacg atggtgaccg tcggcgactc atggtgttcg gaaaccgagg cggtgtcgcc 200340
 catgctgccg cttacgaccg ctgtcgggtc aaggtaggcg tcgatgaaac agtccgtctt 200400
 atcagcaccg ggttaccgcg gatttgattg acgtcacgag tgtggtcaaa 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
 agcgcggtcg gcaggcagta agccaacagg agtgggagtt tgcggggaca acggtcgatc 200940
 gacggaccgc gtagcagcag gaacaggcag ccgacgggca cgacagggt gagatgagaa 201000
 agcggcggtg ggtcgtcgtc ccgtccccgc tcgcatagct cggccaccgg tggcgcatg 201060
 agccaccagc tgagcacgct gagggcgacg gtggcggtaa gctggaaggc gacgaggacg 201120
 gaggcgcgca gccataccgc cagcctctct aggtagggga ctacctctc gacggtccat 201180
 tctagcggga cgacatgaag catggcgaca agcgcggctg ctgtgaaaac gggcgcggtt 201240
 ttataggcat taggacttcc ccgtcgtact ggcggctgtc aaagtcccgt tgtccaaagg 201300
 cgcgccgtcc gaaagactaa tccaacgggg acccgagagc atgagcaaca acgtgagaaa 201360
 gatggccatg ctgtccaggc agagacagac ggcgtgacgg atgcattggt taggtgggca 201420
 gaaaaagatg accatgagac tgtcgtaggc cagaataccc aaaaagaagc tgatagagaa 201480

ggcgcacaaac gtcaccacta tcttctgcag ccaatcggcg tcgcttagca gagcgagcgt 201540
 gaggaacgaa agcagcatca ccacgtagac gcagctgatg catttccagc gacgtcggtc 201600
 acggccacct agaaacgcca gccccgtaaa ggagataaac aacgccaggg tcatcacgta 201660
 ggaacctact agtacgcggc tttcagagca catttggaag atggccgccc tcaggctgtt 201720
 ggccaacaga tagatgaaaa gcaccgtggc gttactaggg tggtcgttgc ccaacgtgta 201780
 cgtgatgaac atgcagacga tgggcacgag cacggtgaga aagaagctgt agttctcgac 201840
 gcaaaagtgt cggttttgtg ggaaccccaa ccaaaaaacg cttcccaagc cgaagctgaa 201900
 agccagctga aagatgaaga tggcgtagac gcgcagccat acggtgaact ttttgaacca 201960
 ctcgagagcc tccatgcggg agagcagcag cgcgttagcc tcctgcccct gcatggtggc 202020
 gacggtctcg gcacaaagcc gctgcggcgc acctaccctt ctcttataca caagcgagcg 202080
 agtggggcac ggtgacgtgg tcacgccgcg gacacgtcga ttaggagacg aactggggcg 202140
 acgccgctgc tgtggcagcg accgtcgtct gagcagtgtg ggcgctgccg ggctcggagg 202200
 gcatgaagta gagcacggag acaaagaggt acatgaggtc catgtacaag cagagcgcg 202260
 ccgggatata actctcatalc tcgatgtcgt gcaggatgtc ctgcgtatcg 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 gctggtgaagc 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 taaaaacggg 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 ctatacgggt 203280

ggcgattctc cgggggcggc cgctctcgtc ctcgtcgtcg ctatcgccgc ccggtaatc 203340
 gacgccgcat tcgttgtagc gagcgcgga catgggcggc ggaaagagct tgggcatgcg 203400
 aaagcagcgt tgtccatcca cggctctcgt ggtttcatcg ttatcctccc ataatacccc 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 atcttgtagt 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 ggcggtcgga tgaccaggtt gagaccgctc atttcgcggg ccgtcttggc 204120
 cagggccgca gcgtcagtgg ggtcgggtgca gaggaatttt tgcacatgat agcgcggttc 204180
 ggtggtggcg aacggcgttt gtgggtgccg atacacatat tcgcaccaga gtaagccgtt 204240
 cttggaaaag gctttgatat cactggccac ctcgtagagc ccgtcgggtc cccagtcgta 204300
 gacgtagacg gtgccgtaat gacttagcat gagcacacag ggcagttcct gcgcctgctt 204360
 ggtgtttcgt gtagatcgc tgtcgggtgg acgtacggct aatacaccga cggcttccag 204420
 ggtgtcatcg cagcagagat agtcggcggc cagagaacgt gcgtaaatct gcgggatagc 204480
 ggccgtgttcg cgcatcacta ggaaccagtt ggcggggttg cgcagtgcta cggtggttcc 204540
 ctggtgacgc tgcacgtagg ttctcagcgc cggaggatcg tactggcgca gatagaggcc 204600
 ttgcagcatc gataacgtct tttgaaagac ggtgtttcta aattggaaaa cgccgtagtc 204660
 gcagcggata gcatcttcgc agcgctcgtc gcgctgtcgg agataggtgc cccaggcttc 204720
 ggcggcggct 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 gttaacgata cgctgacca ggtgccaacg ctctttctct 205020
 gccaaacgcc gttgctcaaa ccattcgtct acgtccttga ggtcaaagac agtgtcctcc 205080

tcaaggtcaa agcctaggtc ttcccactcg tcgtcatcgc tctcgtggcc ggcggccata 205140
cgcgcgga caagcgtcttc cctcctcttt ctttcaacgt ttggtaccac gttgttttct 205200
tcgggttcca taggttctgc gccactgtcg tcatcgtcct ctccctgctc ctcatcgtcc 205260
gccaaggcgt cgtggattac ctccaggttc tgattgtcgg gtacgacgtg gttatcttcg 205320
tcgtcgtcgc gtggcatggg tggcggccga cggcggaacga ccggcatggc gcggccgtcg 205380
tttcttctgt cttcctcttc accgtctccc agggaacgcg gtcgacggcg ttccgcgaag 205440
tcgccgcgga ccacgcgcgc ctgccagatg gtaaattgcgt cccaaccgtc ccagttattg 205500
agcatttctg cgcggaacgc gtcgcctcga cagagccagc gaaactgccg cgcgtagtcg 205560
cggctctacgc 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 gcccgagcagg taccagcggc aacgcagttg cagcgtgacg 205920
tacatttctg actcggccaa gcggggcggt ggcgctacct cgaagggccg gcagtccgtc 205980
aagcagccga aactggctag gagtttcaac gttttggcat gacgcccagg tgtgtgaaag 206040
ttcacgtcgc gtccgtggtg ttcaccaacg caggcgccga acgcgtcggc gtcacgagcg 206100
tgacgcagca gcatcgctac cacgtcgtgc ggtaccgcg tagcaaacgg cgtctgtggc 206160
tgacgggtaca cggcttcggt gtacatcata ccgtaacgcg ccagctcgtc cagatgacgc 206220
gcgcacaaca gcagaatctc ttgcgagggg tcgtagatgt agaggcgct accgccacc 206280
atgcagagca ccagctccgt ttcttcgtag tgatcttcca ccatgatcac gcacttgcct 206340
agcacgataa ggcgttcggg gcaacaaatc acgtcgtcca gcaactggtc gcgtagctcc 206400
ggcatggtgc tgccgggccg cacctgcagg aaccagttgt gcggaatgcc gagcgacagc 206460
acctggctga cgtgggttac gacccagtcg cgaagcacgt cggcgctgta ctggcactca 206520
aagatgccct gaaagtcgcc catgaccgcg agaaaagttt cgtagcgcgt gtggcaatag 206580
aggaattcat cgtttcgcgt aaacgtggga gctccgtctt cccaacgtgt acgccacatg 206640
tcaaaagagg ccgccagcta gacacccag aaaagaagca gagaaggaga cttctttgtg 206700
cgacacgttt tattccgcgt cctccgctcg acgttcaaatt ctggatgtac tcgcgcacac 206760
ccgtcaggct ctttaaggga aaagggtccg 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 agaattgtcc gcttgtggtc 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 tcgcggacgt cccgtcacgc 207420
ctagcacata ccacggcgtg gccagattag cacggacagc ccaccaccaa cgacggctct 207480
ccacctcggg gagcgcacaa aagggccaaa tgcgggtgtaa ttgctgcacc gttttcatca 207540
gccgcataat caccgtgccg taaccgggtg tatgcaactt cacgtcgcaa cccaggattc 207600
gttcggccgt ggcgtacgag ccctcaggcg tgggtgtcatt gagaaacaaa acatgcatgg 207660
tacgcgcgcc cttaggggtat cgtcgcggaa caggtagcgt cattctccgc aaagtgggtg 207720
gaatcacgtc gcgatacgca atctccgaac gtgacacacc gtaacgtgcc agttcgtcca 207780
ggttgtgcga taccaacacc atgtactttt cagcagtgct 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
cagcgcgctc agggccagaa cccgcagccg gatccatcat tgcgcgacac tctcagccgg 208260
acaaccggcg tctactgacag aagccgagcc aaatacagag aaagcaacgc tacaccgtca 208320
ccccgtccc aagcgcgcg aaaagtgtc cgatttttca ccgtcgttcg cgacgttgat 208380
ttgcctcggg ctgagaaccg acctagcgtt cggaccgggtg cgcagaaaca 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 atggtaggtt 208920
 tgggcgcggg gcggccctcc agcacggcgg cccggggccgc ccggcgggtg agcaccgcgc 208980
 gttgcgcggt atctatcttg tgtttcttct gtgtcttttt cctatcttgt tccgcgacgg 209040
 cctctttcat cacgttcagc atgcgttcct cgacgccctc caggggtcct ggggaggagg 209100
 gagtcctagt gaggttcca atgttgtttt gtggattttc ggtttcctct tcttggtcgt 209160
 catcgtcggg cgtgtcgtct tcctcttgat cctcttcttc gtccgaatag tagacgcata 209220
 gtccttggtt catcaggctg ggattcatca ggttctgacg ggaatccgc 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 aacgtagtgc gtgatggcgt gtagaggccc 209580
 gtacacgctc cacggtccca aagcgtccc agaagggaaa gttttcgtga gggcagcgac 209640
 ccggcacttc cagacgttcg gcgtcgtcca cggcgttagt aaaacgccgg ccggcctggt 209700
 aaattttgag cagaccacg gttaacaaca tgtccacgct gtcagccaac cgccagatct 209760
 cgcgccgaga cacgtcaaaa tagaaaaatt cgcaggctcg gtcgaccagg atcacgaaat 209820
 cggcgtgaaa gacgccggag ggtagcgact cgcccaccac accattatc atggtttcac 209880
 agcataagcg gtccacaaag aacttcaaca ggtcgttgaa ttgctcagtc tccatacaga 209940
 tgaagggcca gacgcctttg aggttctcgg cctggccgca gagcagcaac ggacgcgtca 210000
 tctcgcttg agtgccgaga ggcacgcatt cgccgcgata acgacaggtc acacgctgca 210060
 gttcgctgat gctgttgctg tgcaggcgaa ggtcgcagat aatatgatcc ggttgctggtg 210120
 ttagcagcgg cgtgcgcatt tgctcgccgt agatggcctc gcagtgaac agcccgtgtc 210180
 gtgcaaaatc gtccagactg tgcgccaggt agtaaagcac cccgcgatcg cgttctagac 210240
 accacacagt ttcgtaacgt cctagcagga gcaccagacg ggccctggcta 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 aggttaagaca agggacgata 210960
 aaactgtatg tgaggaacct ggggtgcttag acaactaacg tggtatgctt tttacaggac 211020
 cgttcagcag gtaacactac ctgtaagggtg atgaccacct ctacaaacca aaccttaaca 211080
 caggtgagca 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 tgggtgtggt 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 ctctgtggtc 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
tacggcggtg tctttctctt cggttccgtc ggcaacttct tggtgathtt caccatcacc 212520
tggcgacgtc ggattcaatg ctccggcgat gtttacttta tcaatctcgc ggccgccgat 212580
ttgcttttctg tttgtacact acctctgtgg atgcaatacc tcctagatca caactcccta 212640
gccagcgtgc cgtgtacgtt actcactgcc tgtttctacg tggctatggt tgccagtttg 212700
tgttttatca cggagattgc actcgatcgc tactacgcta ttgtttacat gagatatcgg 212760
cctgtaaaac aggctgcct tttcagtatt ttttggtgga tcttgccgt gatcatcgcc 212820
attccacatt ttatggtggt gaccaaaaaa gacaatcaat gtatgaccga ctacgactac 212880
ttagagggtca gctaccgat catcctcaac gtagaactca tgctcgggtgc tttcgtgatc 212940
ccgctcagtg tcatcagcta ctgctactac cgcathttcca gaatcgttgc ggtgtctcag 213000
tcgcgccaca aaggctcgc tgtacgggta cttatagcgg tcgtgcttgt ctttatcatc 213060
ttttggtgctc cgtaccacct gacgctgttt gtggacacgt taaaactcct caaatggatc 213120
tccagcagct gcgagttcga aagatcgctc aaacgtgcgc tcattcttgac cgagtcgctc 213180
gccttttctg actgttgtct caatccgctg ctgtacgtct tcgtgggcac caagtctcgg 213240
caagaactgc actgtctgct ggccgagttt cgccagcgac tcttttcccg cgatgtatcc 213300
tggtaccaca gcatgagctt ttcgctcgg agctcgccga gccgaagaga gacatcttcc 213360
gacacgctgt ccgacgaggt gtgtcgcgtc tcacaaatta taccgtaata aaaaagcgtc 213420
acctcggcct tttcatacaa acccgtgtc cgccctctt tttcccgctc ccgatataca 213480
cgatattaaa cccacgacca tttccgtgct attagcgaac cggaaaagtt tatggggaaa 213540
aagacgtagg aaaggatcat gtagaaaaac atgcggtggt tccgatgggt gctctacagt 213600
gggtggtggt ggctcacgtt tggatgtgct cggaccgtga cgggtgggtt cgtcgcgcc 213660
acggtccggg cacaatcaac cgtggtccgc tctgagccgg ctccgccgtc ggaaaccga 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 cctagtttctg tgaaactcaa cggggtgcag 213960
cgctggacac ctgttcggag acctatgggc gaggttgcct actacggggg ttgttgatg 214020
gtgggcgggg gtaatcgtgc gtacgtgata ctctgagcg gttacgggac cgccagctac 214080

ggcaacgctt tacgctgga ttttgggagc ggcaactgca cggcgccgaa acgcacctac 214140
 cctcgggcgt tggaactgca cgatggccgc acagacccta gccgttgca tccctaccaa 214200
 gtatatattct acggtctgca gtgtcctgag caactgggta tcaccgcca cggcgggcgtg 214260
 ggtatgcgcc gctgtcctac cggtctcgt cccaccccggt cccggcccca ccggcatgac 214320
 ttggagaacg agctacatgg tctgtgtgtg gatcttctggt 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 cgctgctggt atatacgtca tccgacatcg gtgacacagc ttcagaaaca 214740
 acgtgtgtgg cgcacgtac ttatggggaa ccccgaggc ccgctcgatc gacggctacg 214800
 gttcaggaat gtacggttct taccgccccg aattgcggca tcgtcaaca cgcaggcgcg 214860
 gtctctgaag gccaaagaca tggagatgag gttcaccata gcctggatgt ggtttcccag 214920
 tgtgctgctg atactggggt tgttgacacc tccgagtaac ggggtgcaccg tcgatgttg 214980
 acgaaacgta tccattcgag aacagtgccg 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 tccacgcgt tgggaaagaa cgcgaagtg cctcccgcga cccgcacgtc 215400
 ttctacatac ggcgtcctca gcgcttttgt agtgtggatt ggatccggcc tcaatatcat 215460
 ctggtggacc ggcacgtgc ttctggcggc ggacgtctc ggacttggcg agcgttggt 215520
 gaggttgga ctgtcccacc gggataaaca tcacgcatcg agaaccgcgg 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 ctcatattgt tttactctcg agtgcggctc 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 cacacggggt gaacaacact aatcgataag 216420
 tcgctgtag gcgactggct acatcaaccg gatattctgcg gggatttaaa aagacgaccc 216480
 gttgtcatcc ggcttagagc aaaccgtcct tttatcatct tccgtcgcca tggctatgta 216540
 cacatccgaa tccgaacgcg actggcgtcg tgtaatccac gactcgcacg gcctgtggtg 216600
 cgattgcggc gactggcgag agcacctcta ttgtgtgtac gacagccatt ttcagcgacg 216660
 acccacgacc 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 ccgagggtg 216960
 gcggttttgc aatcgacggg aacggcgaga ggacgatctt cgacgcggg ctgagccgga 217020
 ccgcgtggtg ttccagttag ggggagtacc tcctcgccgt caccgggaaa cttacgtgta 217080
 agaacacggc gtgacaataa acaacatagc gtaaattccc 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 gaccggttg 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 gcgatgacg 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 taccgcggcg 217920
 cctgtatcgt cccgaagaag aggtgttcct cctcttgaac cgctgccatg ggccactgtc 217980
 aacgccgaaa agcgcttttc tggctgaggt tgggtgtcgt 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 ggtttttcat 218460
 tttttggatg tatttgtcgc ataaaaggcg gtgggatgtg gggatgaaat atatccagat 218520
 acgcagtttt gttatcctaa caaaaccgt 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 gtggcagtg cgtttggata ccttacgtgt 218880
 ctgtatttgt acatttgcaa atcgtcgggt gcgacgggt 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 cgcgtcgcac 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 ctccttgcct 219720
 ttaggcctttt tggctctttt gtgtatcatc tggccgcccg cctccataac caccgtggcc 219780
 aagtccagtc ccagagcttg agcgtcggcg cggcgtcggg cgtcttgagc atagtcttcc 219840
 acatttgac agatggccgg gtgtttggtg gctaggggtga gcacctcagc ctgcgccgcg 219900
 cccggacgta gcaaaaaagc taactgcccg tgcggctcgc gcgccacag 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 ggcgccacgc tcgtccagca ccaccaccag catggcgcgc 220200
 ggtacggtcc ccgacgccgc cggacccacc atcgccgccg gaccaccat caccgtcggc 220260
 gccgcgctg ctgccgtgc cgcgcgtcc gccccgacca ccgcgtgcgc gtccgcgctt 220320
 ggcacgcaaa tcgcgtccc gccggcggcg ccgtacggct gcggaggtaa agtcacagca 220380
 gacccacgg ctcccgtat cgcgcacggc gcgtccccgc cggcggcctc cgtctccgtg 220440
 ccgctcgcgc ccggcggcga cgtcgtcccc gccgcggtcc ctgtcgcgg ccccgccgcg 220500
 cagcccagcc accgcgacgg cagcaccgcg ccagcgcga gccagccgca gcacagacgc 220560
 tggttcaggt gccgacgcac ggccgtcagc agcgcgcgg ggtgcggcgc cgacgcgaac 220620
 ggctcgtact gcgccagctc ctgccacgcg ccagcagca ccatcggtg cagtcgcctg 220680
 cccggcgtct gcagtgcac cgtcgtgccg gccaccggc ggcgagctc ccgtccgagc 220740
 gccgtcgcct ctcggcgcg 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 gcgtccccgc gcgacagctg acgcaggtcc 221100
 gtcgcgcca cgccgttcat ctggctgcgc ggcgtcacc gcgcgtagaa tccgtacggc 221160
 cgtccgagcg gcagcagcgt gccgcgtcg cgtcgcgacc acttgcgcat ggcgcggccc 221220
 gtgctgttgg caaaaaacgc cgcgcgccac acggcgcca tggcctggta ttccagctcc 221280

gtcagcgcct 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 gctgggcat gcccgccgga 221580
 cacctccgac gtccactata taccaagcaa acccgcgta gcgaccacgc cgtttacaca 221640
 tgcggacgcc gcagtcgccc gtgtgccccg gccgacacgc atctggcttt tataggcagc 221700
 gacgtgcacg gcgcttgctg gcgcccctc gccgcgcagt cggaagccc gtggaatgc 221760
 acccggcagc cgacggcgca ctggactggc aaaggcagcc cgagcgagaa cccatctagg 221820
 tggacgcccg acatccattc cgggcccgtgt gctgggtccc cgaggggagg gggggtgttt 221880
 ttagcggggg ggtgaaattt gaggttgctg gtgtggacgg cgacggcgaa gagttgcgtg 221940
 tggcgcggtg tggcgcggtg gggacggcgg tcgcgagggc cgcgacggc gaataaaagc 222000
 gacgtgcgcc gcgcacggcg aaaagcagac gcgctctgt gtctgtttga ttccccggg 222060
 aaaagaggaa gttcccaggg gacggcagcg cgggtccctg gggacacacg caaaacaacg 222120
 gccagagaca agacgcggaa aagaggaaag aacagacaca cgcaaaaca cggccagagg 222180
 aagctcgggg gcgcaaggga gggggggcaa gacgcggaaa agaggagtc 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
 acccagcgc gccccgaca caccgaccc gccgcccgtg cgggacggg ctgaggagg 222540
 ttttgccacc gtaagcgcgc cgattcgcg aataggactg agggctggac agggctgcg 222600
 gagttttgtc cacggagctt tctgcgcgt ggcggtgct gtgtctctg acataagtaa 222660
 gcgcagcggg gtcctcagcg cgtttgcggc gtgctgtgtc cgcgctttg tgcgcaactgc 222720
 cggcgctgt cgtcccgcgg tgtttttgt ttcgcgacc ggcgcccggg acggggtgtt 222780
 gcgcgcgctc gggggttggc ggcgggtgtt tctacggtgt ttgcggcg tttctaggca 222840
 gcttttgccg ggcgcttcgc ttttcggggc ggcgacggcg gtgttttcg gcgtgctggg 222900
 cgccggcgct agtaacggga gttacgctgg ggacggggac ggggtttgc gcggggacgg 222960
 gggggtgtgc ggggacgggg ggtgtgcggg gacgggggg gtgcggggac ggccacgggg 223020
 gccttttgcc gcggggacga tgcgttgccg ggccgggggc cttttgcggc ggggacgggg 223080

cgttgcgag acggggacgg gagtggggac ggtggtgagg acggggacgg gggcctttcg 223140
 cggcggggac ggggagttgc gggatggcgg gctggttgcgt ggcggggacg ggggactctt 223200
 gcggcgggga cggggaacac agacggcacg cacacgcagc tcgcctatattt aacctccacc 223260
 cactacaaca cacacatgcc gcacaatcat gccagccaca gacacaaaca gcacccacac 223320
 cagcccgctt caccagagc accaacacgc gttaccctta caccacagca ccacacaacc 223380
 gcatgtccaa acttcggaca aacacgccga caaacaacac cgcacgcaga tggagctcga 223440
 cgccgcgagc tacgtgctt 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 tacgtgccg 223800
 cggaacaggc tttcgcgcac acgattccga ggacggcgtc tctgtctggc gtcagcacct 223860
 ggtttttttta ctcgaggcc acggccgccg tgtacagtta gaacgaccat ccgcgggaga 223920
 agcccaagct cgaggcctat tgccacgcat ccggatcacc cccatctcca catctccacg 223980
 cccaaaacca cccagccca ccacatccac cgcatcgcac 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 ctatatTTTTa 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 atggtctccg 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
 ggcgatgccga cgccgacccg gggatcttgg attcaccgtt ttctctcttc tctctctaca 225660
 tacagaccgg gtggcaggag cggtaaggaa tcatcgtcgt ctttcattct tcgatgatta 225720
 tggtaatact aaatcttata taggagcata tacatctaag attggagtac tagtagtcgt 225780
 ttgtggtttc 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 ggtggtgttt 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
 tgctgttgct atctcggctc ctccgtcttc tcccggccac gggcggctaa gtcaccgccg 226800
 ttctccccat ccgtccgagc gccgaccgac cagccggccg attcgcccgc cggggcttct 226860
 ggagaacgcc ggagcagcag cgatctgggg aagccgctaa acccctgcgt ttttatatgg 226920
 tagctctgcc gagcgcgggc tgacgcgttg agtaagcggg aagacgtgtg tgacgaaaag 226980
 gggctcccatg gtatttcacg tgacgatgag gagatgcggt ttggagcaca tacggtttaa 227040
 aaaaaggggag ttgtcgtgac aagggtctgag 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 gcttgggccg 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 cggttcttag 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 catcccgcga 228240
 ttcccgggca acccaccaca gtcccacaa ccaaccacca acagaaaaca tacacagacc 228300
 accgggagtt cagttaaaga tttcatcagg tttatttttg ctgctgctag tcttttgctt 228360
 cttagaaaaa aaatacccat atagagaaat aatgatagtt tgacaacaca tatggcaggg 228420
 atttcttctt catcaataag atatgcaatt ccccaggga gagactttca acaattgaat 228480

ttacaaaaaac 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 tgtctgcgat ggtcgtctct 228780
 tactggcatt ctctcggctg cctcttgctt tcatgattga aaaggaaaaa aggactccga 228840
 gggcgcggtc atcttttact tttcggtttt ctcgttggcg ggtcagaggt agtcagatca 228900
 tgagactgtc gtggtcgatg aaactgtgtc tgctcaagtg 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
 gggcgcgcca gtggccgcg cagcggggag gagaggagag agaagaggag cggggcgtcc 229320
 gaaggcgagg atggcatgat ctgcgccgag 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 cgagacgcg 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 gccaagacgc ggcgcaccaa tgccgaatcc aagagccgcc gtgccgccg 229920
 ttggtggctg gcggcatcta gagacatggt ttggggggac cggcggcg cgaaaagacagg 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 catcaggggtg 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 cctggggttc 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 gctcatcatc 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
 agcttttcgat 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 cgctcgtca gatacatcaa 232980
 caattactcc aacgctgttg gaatcacctg caagcggtac gcgaatatta acaacgttct 233040
 ctaccgttca tagtaccatt ccctggttga ataccagcaa cgtaacttgc aacggtagtt 233100
 tgtacaccat ctataaacia tctaatttaa attacgaggt aattaacgta acagcgtatg 233160
 tcggtggata cgtcactctg caaaattgca ctagaacgga tacatggtat gatgtagaat 233220
 ggataaaata tggaaactcg acacaccaac tgtgcagaat tggaaagtta 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 ggggtgtagtc gtatctgtgg 233580
 cacttgtagc cttatacatg ggtagccgtc gcgcttcag gaaaccgcgt tataaaaaac 233640
 ttcccaaata tgatccagat gagttttgga ctaaaacctg a 233681

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

<220>

<223> synthetic

<400> 21

ctaaattgta agcgttaata ttttggttaa attcgcgtta aatttttgtt aaatcagctc	60
attttttaac caataggccg aaatcggcaa aatcccttat aaatcaaaag aatagaccga	120
gatagggttg agtggtgttc cagtttgtaa caagagtcca ctattaaaga acgtggactc	180
caacgtcaaa gggcgaaaaa ccgtctatca gggcgatggc ccactacgtg aaccatcacc	240
ctaatacagt tttttggggt cgaggtgccg taaagcacta aatcgggaacc ctaaaggagag	300
ccccgattt agagcttgac ggggaaagcc ggcgaacgtg gcgagaaagg aagggaagaa	360
agcgaaagga gcgggcgcta gggcgctggc aagtgtagcg gtcacgtgc gcgtaaccac	420
cacaccgcgc gcgcttaatg cgccgctaca gggcgcgctc cattcgccat tcaggctgcg	480
caactgttgg gaagggcgat 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 ttggaacct acaactttca 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 tgggtgctgt 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 tgaagaatth	1800
agggctgacc atccattcct cttctgtatc aagcacatcg caaccaacgc cgttctcttc	1860
tttggcagat gtgtttcccc ttaagcggcc gccgcacga attcctgcag cccgggggat	1920
ccactagtth tagagcggcc gccaccgcgg tggagctcca gcttttgth cctttagtga	1980
gggttaattg cgcgcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat	2040
ccgctcacia ttccacacia catacgagcc ggaagcataa agtgtaaagc ctgggggtgcc	2100
taatgagtga gctaactcac attaatgctg ttgcgctcac tgcccgtth ccagtcggga	2160
aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgct	2220
attgggcgt cttccgcttc ctgcctcact gactcgtctg gctcggctgt tcggctgcgg	2280
cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac	2340
gcaggaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg	2400
ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgtca	2460
agtcagaggt ggcgaaaccg gacaggacta taaagatacc aggcgtthcc ccttgaagc	2520
tcctcgtgc gctctcctgt tccgaccctg ccgcttacgg gatacctgtc cgcctthctc	2580
ccttcgggaa gcgtggcgt ttctcatagc tcacgctgta ggtatctcag ttcgggtgag	2640
gtcgttcgt ccaagctggg ctgtgtgcac gaacccccg ttcagcccga ccgctgcgc	2700
ttatccggta actatcgtct tgagtccaac ccggtgaagc acgacttatc gccactggca	2760
gcagccactg gtaacaggat tagcagagcg aggtatgtag gcggtgctac agagttcttg	2820
aagtgggtgg ctaactacgg ctacactaga aggacagtat ttggtatctg cgtctgtctg	2880
aagccagtta ccttcggaaa aagagttggt agctcttgat ccggcaaaaa aaccaccgct	2940
ggtagcgggtg gtttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa	3000
gaagatcctt tgatctthtc tacgggggtct gacgctcagt ggaacgaaaa ctcacgttaa	3060
gggattthtg tcatgagatt atcaaaaagg atcttcacct agatccttht aaattaaaaa	3120
tgaagthtta aatcaatcta aagtatatat gagtaaactt ggtctgacag ttaccaatgc	3180
ttaatcagtg aggcacctat ctacgcgac tgtctattht gttcatccat agttgcctga	3240
ctccccgtcg ttagataaac tacgatacgg gagggcttac catctggccc cagtgtgca	3300
atgataccgc gagaccacg ctaccggct ccagatttat cagcaataaa ccagccagcc	3360
ggaagggccg agcgcagaag tggctctgca actthtatcc cctccatcca gtctattaat	3420
tgthgcccgg aagctagagt aagtagthc ccagttaata gthtgcgcaa cgttgthgcc	3480

attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt cagctccggt 3540
 tcccaacgat caaggcgagt tacatgatcc cccatgttgt gcaaaaaagc ggtagctcc 3600
 ttcggtcctc cgatcgttgt cagaagtaag ttggccgcag tggtatcact catggttatg 3660
 gcagcactgc ataattctct tactgtcatg ccatccgtaa gatgcttttc tgtgactggt 3720
 gagtactcaa ccaagtcatt ctgagaatag tgtatgcggc gaccgagttg ctcttgcccg 3780
 gcgtcaatac 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
 ctcgagttta ccaactcccta tcagtgatag agaaaagtga aagtcgagtt taccactccc 60
 tatcagtgat agagaaaagt gaaagtcgag tttaccactc cctatcagtg atagagaaaa 120
 gtgaaagtcg agtttaccac tccctatcag tgatagagaa aagtgaaagt cgagtttacc 180
 actccctatc agtgatagag aaaagtgaaa gtcgagttta ccaactcccta tcagtgatag 240
 agaaaagtga aagtcgagtt taccactccc tatcagtgat agagaaaagt gaaagtcgag 300
 ctcggtaccc gggtcgaggt aggcgtgtac ggtgggaggc ctatataagc agagctcggt 360
 tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 420
 accgggaccg atccagcctc cgcggccccc aattcgagct cgtacccgg ggatccacca 480
 tgtacccta cgacgtgccc gactacgcca cgtccagact atccgtgaaa agtttgagaa 540
 gcatcagtag gttcgtccag tgggagtggt gttggatgct cgtcaacaag agcgcgcgct 600
 accgagagtt ccgcgccgtc accagccagt cgccggggct ggggaaggct tcctccaccg 660
 acgacgggag atgtctcgcc gcctccatga tgcttttcag acgtgacggt aattttgtcc 720
 tctgtctggt cgtcaataag gagccggtgg gtcagttcgg ctgcagtggc atgcggcgcg 780

agaagatggt catcgatgga ctccaggagc ccgtctacgt gatgcgtctc ctggccccc	840
tcatccccgt caagctagga ttctcgccct acatgttgcc gcctaagagc atcggcggt	900
ccggcggtct ggaccccagc gtcattctacc agaacgcgag tgtggtcacg cccgaagagg	960
ccgccaccgt cactatgcag ggttccggca tcgtgaccgt ggggtcagt ggcgttggt	1020
cctgggtgca gatcaaggat ggtgggaaca 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 ctccggcgcca ggaacagcga gggcgacgag atcccgtga	1440
ggaccgagcc ctggcagctc ttgaagatag aaccgacgct gtccgccatg atcatcatgg	1500
cctgtccctt actcaaaaag atcgttctcg agcacatgtg aagtcgactc tagcgcggcc	1560
gcatcgataa gcttgctgac gatattctta gagctgagaa cttcaggggtg agtttgggga	1620
cccttgattg ttctttcttt ttcgctattg taaaattcat gttatatgga gggggcaaag	1680
ttttcaggggt gttgtttaga atgggaagat gtcccttgta tcaccatgga ccctcatgat	1740
aattttgttt ctttacttt ctactctgtt gacaaccatt gtctcctctt attttctttt	1800
cattttctgt aacttttttc gttaaacttt agcttgcat t gtaacgaat ttttaaattc	1860
actttcgttt atttgtcaga ttgtaagtac tttctcta t cacttttttt tcaaggcaat	1920
cagggttaatt atattgtact tcagcacagt tttagagaac aattgttata attaaatgat	1980
aaggtagaat atttctgcat ataaattctg gctggcgtgg aaatattctt attggtagaa	2040
acaactacat cctggtaatc atcctgcctt tctctttatg gttacaatga tatacactgt	2100
ttgagatgag gataaaatac tctgagtcca aaccgggccc ctctgctaac catgttcatg	2160
ccttcttctt tttcctacag ctctgggca acgtgctggt tgttggtgtg tctcatcatt	2220
ttggcaaaga attcactcct caggtgcagg ctgcctatca gaagggtgtg 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 aaagggtggct ataaagagg catcagtata tgaaacagcc ccctgctgtc	2580

cattccttat	tccatagaaa	agccttgact	tgaggttaga	ttttttttat	attttgtttt	2640
gtgttatttt	tttctttaac	atccctaata	ttttccttac	atgttttact	agccagattt	2700
ttcctcctct	cctgactact	cccagtcata	gctgtccctc	ttctcttatg	aactcgactg	2760
cattaatgaa	tcgccaacg	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	tgcgcaactg	cagcagccac	tggtaacagg	3360
attagcagag	cgaggtatgt	aggcgggtgt	acagagttct	tgaagtgggtg	gcctaactac	3420
ggctacacta	gaaggacagt	atgttggtatc	tgcgctctgc	tgaagccagt	taccttcgga	3480
aaaagagttg	gtagctcttg	atccggcaaa	caaaccaccg	ctggtagcgg	tggttttttt	3540
gtttgcaagc	agcagattac	gcgcagaaaa	aaaggatctc	aagaagatcc	tttgatcttt	3600
tctacggggg	ctgacgctca	gtggaacgaa	aactcacggt	aagggttttt	ggtcatgaga	3660
ttatcaaaaa	ggatcttcac	ctagatcctt	ttaaattaaa	aatgaagttt	taaatcaatc	3720
taaagtatat	atgagtaaac	ttggtctgac	agttaccaat	gcttaatcag	tgaggcacct	3780
atctcagcga	tctgtctatt	tcgttcatcc	atagttgcct	gactccccgt	cgtgtagata	3840
actacgatac	gggaggggctt	accatctggc	cccagtgtgt	caatgatacc	gcgagacca	3900
cgctcaccgg	ctccagattt	atcagcaata	aaccagccag	ccggaagggc	cgagcgcaga	3960
agtggtcctg	caactttatc	cgcctccatc	cagtctatta	attgttgccg	ggaagctaga	4020
gtaagtagtt	cgccagttaa	tagtttgccg	aacgttggtg	ccattgctac	aggcatcgtg	4080
gtgtcacgct	cgtcgtttgg	tatggcttca	ttcagctccg	gttcccaacg	atcaaggcga	4140
gttacatgat	ccccatggtt	gtgcaaaaaa	gcggtttagct	ccttcgggtcc	tccgatcgtt	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 ttcggggcgga	4440
aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaaccacac tctgtgcaccc	4500
aactgatctt cagcatcttt tactttcacc agcgtttctg ggtgagcaaa aacaggaagg	4560
caaatgccg caaaaaaggg aataagggcg acacggaaat gttgaatact catactcttc	4620
ctttttcaat attattgaag catttatcag ggttattgtc 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 gggagggtgt ggagggtttt taaagcaagt aaaacctcta	4980
caaatgtggg atggctgatt atgatcctct agaactctat tcctttgcc tcggacgagt	5040
gctggggcgt cggtttccac tatcggcgag tactttctaca cagccatcgg tccagacggc	5100
cgcgcttctg cgggcgattt gtgtacgcc gacagtccc gctccggatc ggacgattgc	5160
gtcgcatcga ccctgcgcc aagctgcac atcgaaattg ccgtcaacca agctctgata	5220
gagttggtca agaccaatgc ggagcatata cggccggagc cgcggcgatc 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
aatcgcgcat 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 gcacttccg	5820
aatcgggagc gcggccgatg caaagtgccg ataaacataa cgatctttgt agaaaccatc	5880
ggcgcagcta tttaccgcga ggacatatcc acgccctcct acatcgaagc tgaaagcacg	5940
agattcttcg ccctccgaga gctgcatcag gtcggagacg ctgtcgaact tttcgatcag	6000
aaacttctcg acagacgtcg cggtgagttc aggccttttc atggaagctt tttgcaaaag	6060
cctaggcctc caaaaaagcc tcctcactac ttctggaata gctcagaggc cgaggcggcc	6120
tcggcctctg cataaataaa aaaaattagt cagccatggg gcgggagaatg 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 ccgtttatta 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	gaacggatatc	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	gaacctaac	ggcgtaaagt	gttttccgat	atataaactg	2100
gcgcctattg	tggctgtagc	gcccataggt	atggcatata	cccacgggtga	tgttgtgtta	2160
ttcggtttttt	gtgataaaac	gtagtttatg	tttaacgtgt	gttccgtcac	gttatgtgtg	2220
tcgttaaaaag	acggcgtctg	tacagtatgg	ctttgagttg	tatcttgaat	tgttattgca	2280
tttgagggtg	tgtacagagt	ggttgttgtg	tgctgagggtg	ttgttacgtt	ttgaggcaca	2340
gttgtggtgt	atacggactt	caagggtgtg	ttacggagtc	tttctatgca	ggtagtgttg	2400
agatatattgt	gaatgctggt	tatgttcgat	tctgtgaggt	taaagtgtgt	actatttatg	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	ggcgtcgata	gccctcacca	cctcgtcgtc	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
agtcggttca	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	tcggcggcac	atgatgattc	tttctttccc	tttttcgcag	agacgctgcg	4080
cgctgctcc	tgctccgtgt	gtcggccgct	caaacgtcgg	gccggcgtgg	tggtgaccac	4140
cgtgcgacgc	agcttctcgc	ccgggatgcc	cgcgactgag	cgtccggttt	ttttgcaggt	4200
cttttttgc	gcctcctcct	cgccgtcgcc	gtcgcggccg	acgtggtgga	ccagcaccgc	4260
gcaggaactc	tcgcgtcgcc	ggcgggtacgc	gacctgtctc	attgctacct	cggatgttta	4320
agaaggaacg	ttcatctgcg	tcacagggtc	tgatgaagct	gccaagagtc	gtggctgtgg	4380
cgcagcgcg	tctgtacggc	gcgtttcacc	gctttctgca	tggccgctac	cacgtcgggt	4440
gggagcggct	ccggcggaag	ctcgatgagc	agttgctgcg	agtctcggcg	ctcgggtgtcc	4500
gccgtttcgt	cggacgtggc	gtaaaaaacc	gaggtggttg	cccagtcgtc	cacgtcgtcg	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	gtcgtataca	tcagcggtat	acacgctgta	tcggcatcgt	5580
tttaccggaa	agtttatcgt	aatgtaacct	gcgttgtgta	cattcgctact	gacaggggaa	5640
ccccgggtgat	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	cgtccccc	ttttttcttt	6060
ttctcattca	cgtgtattct	tgatgataat	gtacatggc	tacggtgggtg	aactgcgtcg	6120
cggatcccgt	cacgggtttc	aacagatcga	cgtcggtcag	cggcgccgctc	accgccatgt	6180
ccggcgagg	cacgctgttt	ctctgggttag	cgacgtggac	cgacgacgaa	gacgatgaac	6240
ccgcgcggcg	gtctgttatc	cgcgacgacg	cgtagctgca	ctgggaagac	acttctccc	6300
aacggaccaa	gatctcatcg	ggccgttcgg	agaaacggta	tcgtctgtcc	gactcccgcc	6360
gtacggcgcc	gaggcccagc	gacgacaggt	ccgcgaaccg	gcgctcgtat	tccccgtaca	6420
gctcgcaaca	gcggatcagc	cagcggtagc	tcaaaaacat	gcgcaccagt	ttgaaggtgt	6480
cgtgccaatg	gtaagctaga	tagcagagaa	tggccacgat	cagcacgagc	atcacgccga	6540
tgatgggtaa	cccgcgcttc	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
cacacccgta	gtcgacattc	ccagaaccgg	tgaatgcgac	tcagggcctt	tcgacgccgc	7320
catttatttc	caacgtccaa	gtcccacgtc	atctctggca	tctccacgcc	cttgactgac	7380
atactctctt	tctctctctt	agctgcggtg	aaaaagaggg	aaggcgtgtg	ctgctataca	7440
actgtacaac	ggacgcgctc	gctgtttcgg	tctcaggtca	tctgcattga	ctcggcgctc	7500
ttcatgacgc	tctgcaccgc	cttttccaag	agttcctcga	tgtccgacca	tcgaggaggc	7560
ggggctaact	cggaaaccca	cacgataggc	agcgtggctg	gctccgctcg	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	atcggcgctg	ggggcctgtg	cgacgacagc	7860
cgcggtgggtg	ggggccggac	cggcggcgta	ggcgcccgct	tcttgcgcc	gggcggcgga	7920
ggtggcttcc	aggatggcgg	cggctgatgc	agtaccgtgt	cgacgctggc	cgaggacgac	7980
aaagagctcg	acgaggagca	atgcgacgga	gatcgccgca	tgctggtcgg	cggtcccggc	8040
gtggatacgt	cggggatctc	gaatcgcgcc	ggaggaaact	cggttttatc	tatcggcaga	8100
ccatcctctc	ctatgtagag	cgacgtacac	cgcgccacct	gcggcgctcg	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	cgtgtcgga	agggccgggtg	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 tgtcgggtgtt ggcggctgcg gtgggatgac gggctgggtg gactcctccg 8880
 acggcggggg gacgaatact gtcggcgccg aaaccggggg actctcgact atctcgcaga 8940
 tcaccctgtc gggatcgtcg ccgtgtccgg gacgccgtcg atgaccatat tgaaccatgt 9000
 cgtaaatacat cgtctccttg taacacgctg aacagcagcg gctacaagga cccgaaatgc 9060
 atttgcagct gcacttacag ctgcagctgc agtagcgcac ccatcggcag gtgaagacgt 9120
 cgattacgga gtccttgaag aattcccgtt aacggatgag atacgcgcag aggaaaatca 9180
 tgaaaacaga acagccgact acggctgcga tgccgggtcc cgaaaacgta ttcggtgatc 9240
 ctaccaaaca 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

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
 gaccgcgccca cagcagagcc agcaccagca gaagagccag caccagcggg cccagagtcg 60
 caaagcgcgc gggcagccac ggcccagact gcggtcgcga tggcccggag cgcgctcgcc 120
 accacgatga cggtgccc aa cgataaccag tccgctccc 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