1 agctgcggcg cctgctgctg ctgctgctgc tgctgctgct gctgctgcgc gctctgcgct

61 gccgctgcgg cggctgcggc cgccgcggct gcggccgtgg caaagaaaca ggctgcgggc

121 ggcaggaagg gctgctgggg ctgcggctgg ggctgctggc cggcgccgcc gctctccatc

181 ttggcagagc tttccaggcg cagcggcggc caaggagtcg cggaatcaga gcgatccggg

241 acgcgaggtg cggggcccgc gagggggaca cagagagaac ttgggtgcag gaacagagag

301 ggaaagaaaa ggaaatatga agcgggagcc ctgacggaag ttaaaaaata tatacaaaat

361 ccccgggaga cttcttagag tgggagcaaa aaaagtgaaa atgctttttc tcctccctgc

421 acgccgcctc ctcctccctc ccctcctccc ttcgcgggtt ggcttcggga gcctcgcgtg

481 gcgctcgcgt gtgaggctgc cgctggcgcc ttcttgtttc taagaaaaaa aaaagcagaa

541 gcagcagcaa aagtcagtgc tgaacgcgct ctgccgcgtc tcgcgttcct ctcctactaa

601 ggctgcgctc tcttgcgccg ggtctcggtc tctccagccg tggctcaggc tgtttttatt

661 attttgttaa ctcccttcct ttctgatttc cttctttcac tcgccctccc tggccggatc

721 cctgtcggtg cgccttccac gttccctggc cagaagtgag agagtgctgg gctgccggag

781 tgcgtccgcc ttttcaatgg gacacccagc cccacgcgca gccctggccc cgcctcgccc

841 cccactcccc gctgctgcag cgagcggctg cagcccccac tcccccccct cctcttacct

901 cttcctccca cccactccct aaactccccc tcctcctctc ctctcccccc ctcccgttcc

961 tttctcccgc tccttgcaaa ctctccattc agctgggttt gttgttgcag tgcgtgcgcc

1021 tggcgcgtgc cggactcccg gctgaataaa caggcggcgc gctcggggcg ggctgctgcc

1081 gggggtggct ttaggaaggg ggtggggggc gtcacaggag ggacaaatgg ctctaggaat

1141 tgaggtgtat aggtggaaag acttggggtg aagctctctt ggattctact aagaacttga

1201 agcaaagcgc agggaagggt ttgggcagaa aaaatggcac aggaacggtg tggaggtgag

1261 gagggagtgg ggctcgactt ttcctgtttt ctctctctcc tcactgttat tctcttcggg

1321 ttcctcggtg accctagaaa ttggagcaaa ttacgattga agtttagaaa catggttggg

1381 ggagggactc cgtccagaac agtgaaaaaa agtgctggac tatgtgaaaa cgtgggttct

1441 agtcccaagg cgtcctctca atgctctgtg gctcctcgaa gtggcatcct ctctgagcct

1501 tcgcttcctc gtctgcagcc acagaatatg gtctctaatg tcccattcag ctctaaaaac

1561 taggatgtgc tccccataac tgagcaagtg tgtggggggc cgcggggaag cgacaccgag

1621 gagtggttgt gagccgtcct gtaggtgggt gtatatggca gggacgtccc cctaggatga

1681 cctctggccc cctgtaccat cgccccctac cgccaccccc tccccataaa gattatttcc

1741 ggaccagctt agcggatatc ataaagaagg gagtgctctg ggatactccc agaccctcgg

1801 agaagaaaga tgcggggcgg gggttgagtg atggcgctta gggcactggt ggggattcct

1861 ggttcttcgg cgccgccgcg ggcacctcgg cggccttggc gcagccacca tcccgcccca

1921 ggcgtgtgcc cggcggcccg gtggcaggcg actgggagcg gagcccggcg gggccgcgtg

1981 ctggcgccga gagggagggg gaggcgcttg cagccgtcgc tcgaccgctt ggacagcgcc

2041 tgcccaggcg tccttcctgg gccttcggcc ctggcgctct ctggccagaa ccccgtccag

2101 cttcaggacg tctggggacg cggcgctgcg gagaaagcag accaagcaat aggccccatc

2161 tctttaagga tctggtccgg agagaggctg gggcatgtct caggtcttgt ctacataggc

2221 agaacgaagt ggagggcaat catccatttg attttccagt agaaataatc cgagatctgg

2281 gtgcaggaat gattgtggtg aattatccgg ataattggtt ctaattgaac tcccctttgt

2341 ggaggtggat ctttctaaag ggccaagggg atgacccagg gagctgctct tggtatgtgg

2401 gctggctgag tgtttctgga acaatagtga tgatggtggg cagtaatgac gggcggctcc

2461 cgaagtgaat cacctctctt ctctacctca gtttcatctt tgcagaatag gtaggcttca

2521 gaggtatagg accaaatcgt gccaacagag gtcaattctg taacctttcc cagccacaca

2581 gccccttctc cccatggtaa cctgtggctt gatggcctca caggactggc tgaaccccgt

2641 gggattcaca cctcaggcct ttctccacat ccctgaccaa ggaaagggcc taagaggtct

2701 ctggaagtat aggaggtgag cacccaaaag cagagtcaca acacagcctg ggcaccctgc

2761 acctcccagc cagagtaagc ctcagaccac ttgcagaaat aggaattatt caggcactcc

2821 ttacccacct cccacatgac ccagctgtgt cctaatgccc cattcactct atttcagcca

2881 aatagttgag tgttgggggt gggagggagt gtcgcaaatg tggaagcatc tagatgtgtt

2941 ttcttttaca ttaagctgaa acatgagccc caaactccct actaacttgg actcacttca

3001 caaaggtccc gagtctgagc tctaccacaa tggtgcctta taaccttgaa caagtccctc

3061 tgcctctact ggcctcagtt ttctgatcta cacacaaggg atgtacagta gctaattttg

3121 aaacttgtat ctaacagctt agaaaatttg ctggtagcca gcacgtgttt ccttttccag

3181 gatgcataca cagagatctc aataccaggg aagtagagga cagaacctcc tctcctcctc

3241 ccccctacac acaccatgaa atgggtgccc aaatggagtg gaagtgcatt gtagtgaaga

3301 agccttgtct tgtagtggcc ttactcattg gcctcaggcc aggaggaagg acagtcgttg

3361 ctgggatcct tctggccaaa accgccagaa catttgtctc tattctccct atgccagccc

3421 tgagcctgac ctcactcttc tcaccctagt atgctaagtt ttcttcctta catgctttgc

3481 aaagccttcc aagaaccgag gcgttctcct ccccccactc aagtaaacct ggagtttgca

3541 cctcaacact gtcatctcca ctttctcctc caaccctagg gtagaacagt ctataatttt

3601 tctttagagg tttgcatttc tatccttggg gattctacca agagagtttt ccattgatat

3661 tggctttctg gttgttttca ccagtgtgaa gcaaaagatg ggaggctcag gagccaaaat

3721 tagaatcctg cctctgactg tgtgacctag attataatcc ctcctcccga cctgagagaa

3781 ctggccacat gttctgctct cctaggccca tggaattcca gataaagcag gctgatttga

3841 cttggtatct aggccccttt acctgagagc tgtgtgaccc tgagacactc taggggtctc

3901 tatttcacct atgccagtaa ttatagtatc tacctccaag agttgtgaga cttcaatgat

3961 atgtatgtag agcactctag cccaggtcta aagagaaagg gattaataag aaagtcatgc

4021 tcacacaacc cacccaggaa agggtgtgtg gcaggaggag cctcagcact tggcttcctg

4081 gaaccactct gtgatcatca ctccagccaa tggagatcca gtgccactct gtctcactgt

4141 cccagcacct aggggtgagt cattcctgtc atttttgaga aatggtggtg atactggcat

4201 attaagatga tggagatagt aacccgattt ttagacatga aaagtagcaa gtaagataga

4261 ctatagagat gttctgtggc ctccacatgc aaggggcttc agcagagcca ctgggccctg

4321 ctttcttggc tcccttgcca cacagtgggc ctgattctga gcaagtcctt agggctttag

4381 ttggctaaga cacttgaaca atgtcccatt tatcttcaca tgaagggaga agtaaacaac

4441 tcacaaaagg aaggtttgat accttcattc ataaatgagg tggtagtact ccctttgcct

4501 gtatgtcaag ggtgttatga gaattaaatc agatgttgtt gggtaatttg ctttgcaagt

4561 ctctccacat atcagagatt gccttttcac tttttccgaa tagcagcatt cagtgttctg

4621 tcttgtcatg agggtggggg agtgggaagg acaaagcact gatccccttt ggtgagtatc

4681 acccagagta cagacattgc agaaagataa gaaggcttct ctttctcctc caatacaata

4741 agggacttaa tttctgcacc ttcagacccc tttcctatat cagaacactc tggagctgaa

4801 ccatacttca gattagactt tatcttcatt cagcatcagg atctgtaggg ggagatggct

4861 ttcctagtgg ccaaaggggt ctgctgccct gagatcagag accctgtgcc ctgagtctcc

4921 tgccacctta atttccattc acagctgaag gccaggccag taccaccttt gctgaagctc

4981 aagacctatg tatgttctct tgattgtgtg ttgtctctct gtaaaaagaa gatatgactc

5041 atctctttga aaaccaattt atgctttctc tttggggaga gggattgata ttaaaagtga

5101 aactaggatt ttcattggac aaataattta ataaagttat atttttaact ttagttagat

5161 tctgaatcag gggcaaaggg aatacaaaga tgaacacaag tcttggattc tggattttgt

5221 tacaggattt taagtgtaat cctcaatttg ggggtgactt gagttccaga agcaatggat

5281 gctttgagaa aagtgagtgt gcttggcatt catagccaat attcatcttc caggagctat

5341 aattaataca gggcctctgt cctgctgggg tgtctgctgt tctaaggctg tgctagacac

5401 tgtcctaccc agggaaaatg aaaaggactt tactgcacaa tctactgcct ctaagaatac

5461 cctacccaag gtaatttcag aaaggattgc tgcccagcct gcattgactc tgcaccagcc

5521 ttggagggcc tgctcagggg gcagaatagc acaaaccatg tatttggctt ggctcagctt

5581 cctggtcaca gcagccaggc ttgcacctgc attaaggaat tcagccttct aacaaatcta

5641 ttcacttttt caatatgctt taaaaagaaa aaagtttgaa aaaacaaaac aaaaaaagca

5701 caaactatat tttattgtgg cttttgggat aaggagggaa tgtggggtgg ggtgaggagg

5761 taatttgcag ccaccctcac aagtcctttt gaagttctcc aaataaggag aagtaacgct

5821 aagtctttat ttttttctaa agccccattt acattatgat taaatacctt ccttggatga

5881 gcataaagaa agtcgttaat ctatatagct ctccaaagaa tcaatacatt ctaaactttt

5941 gtaggatttg ttacactcta ttttgttaca gtaggccagc tcctctctgt ctaggcacat

6001 ggctttcctt ccctcctcct ccccacctcc tccaagaatg aaaataaagt aaaggtcttt

6061 catggtaaac aaaaccagct gattcttcac agagaacccc tgaatagctg gagaagaaaa

6121 aaaaaactta caataaatgg tgcatttttt tctctgctgg gtgtagtatt caaggatcag

6181 ggcagtattc aaacagaggt ccattttttg ctcagcaaga gagtttagaa aagaagcgtg

6241 gagtccattc agagctctcc ccccttcaca atcgaagggc tctatgaaac ctatcttcca

6301 tgccttgtca gagtgtttct ggggaccaat tagtgctttg ttgtacggct tctttgctga

6361 atctttgagc cgcaagaaaa agcgctcttg agtctcccct tattttgacc atttcagtca

6421 ttactcagtg taataattaa tatgacaact ggacgctgga gtttgtatag aaacacctca

6481 gctacaggag caagtgtgca gtgggtggta acgagccgca catcagccgg agaagccaca

6541 cacacaaaaa aagcaatgaa tggcaagaga gaaagagaag gaataaagat aaaatagttg

6601 gcacaacgca ggggaacata aaacagactc aaatgagaag aaggaggggg aaggggggac

6661 aatttaaagg ggagggggaa aaatgcccta cagaggttaa cttattttga aactgttttc

6721 tgaatagaac cgtggacgtg agtgaccgga tttcagccca tcaaatctcc cacccccact

6781 ttgtggatcc tcttggaact cgggggtggg gaagagggct ccagcaaact ttaggttctc

6841 cccagggttc ttctggaagg tgtacccaac atgctactca gcccaattcc caaccctttg

6901 caccaggttt ggcttctgtt tttatttttg caaagtctgt tcctcttggc tccaacttcc

6961 gtctttggag ttgttaatgg agaagttagg gtgctatgta gattcaccag gcgagttcag

7021 tactactacc ctggggatga atgttggtga gaagccattc cagatagacc cccaacaact

7081 ctgcttcgtt gaccctcaga acagtaccct gtgggactcc tgagccgtaa ggagtctccc

7141 tggtagcgcg cagcggggcc aggctctgtg ctccggcccc cgtgcggtgc ccagctctgc

7201 aggttcccga aagtgcgccc cggggtgggg ttgcaatccg ccccgtgacg gcataataaa

7261 taattagagg gtttaagcgt gttagccaca gctcatgcta atgagccaga taagggctca

7321 cgctaacccg aagtgacagt ttgcatatag gagggaagaa gaaaaaatcc tgcttccccc

7381 cccacgcaca aacttgattg ctccttctca aattcatgtc cccaaatccc ttcccccatt

7441 cctcggactt ccctcttctc acatgccccc acttcagcca caacacacac actatccgtt

7501 tttgaccctt cctttgcctt tcaccgggtc agacggcatt gtgacgtcac aaaacccctg

7561 ggtgcctata tctgacctgc gcggaaagtt cattctgagt gcgtcctggc gagtctcagc

7621 ccccaagcgg gtggaacgca ccaagggtct catccgcgag gaagggcttt aacgctcagg

7681 gtcaggaacc tctgagagct cttggggact tgcgcgccct tggatgctct tgcgttcaac

7741 agggctagga gactaccggc tggggcgagg aatgcaggcg cctagagcct tggagctcct

7801 gaaacgttcc tgccgcctcc ggaaagcaag ggcagtttac cgaagtgact gaggtcagtc

7861 gtgtgtcccc attgtgtggc cacgtgtcct gtgtccatca ccaccttccc aaagtccaag

7921 ctcagcccga ctccttgcgg tgcggcctgg gaatgctctg gcctataaat cagcttcgtg

7981 gctggagctg tctccaccac cgtggcaaac ctggacgctg gccccgaggg caaagggaaa

8041 gtgtactcct aacagattca ggaggaagca gccgcagcct gagcgcggca tctgccaggg

8101 aaactgtgcg ccccaggtca gctagttaac tatttcatcc ctccccacca ctcttcccta

8161 ggccaagtat ttgcagcacg ggcagggacc agtaactgat tttcaggcct tttgagagga

8221 agaggaagag agaggaagag aaggatttct aatagtagat attcactctc atggactctt

8281 taggaaacag caacaaagac aagattaagt aagttgatat ttttaaaatg ctgacaacag

8341 tgcacatagt aaacactgga tatgtgttaa ataagtacaa acagacagaa atagataaca

8401 ggaggtatat gctaatcatc taagatgtta gaaaatactg ttcagatcta aaaatgatca

8461 aggctgacat gctcattgat tcatcaaata actatgaaac ctaatcagag gggaataaga

8521 cacaatgagt gccttcaata catttgtgac ttagtagaca ttaaagcaga tgtataagaa

8581 agtccattaa aacatgcggt gggggcaacc atggagaatc ttcttcccca tggtcccttc

8641 tctttggact cccaccttcc tgcatctccc accccaaata aatacacaat ctaggtaaaa

8701 gtggtggact tgttatgcaa acacatccta atgtcatcca gcccctcttc cccaaccaga

8761 tggtcacccc taagcttctc ctatataaca attcatgagc agacactaat gatttcaaca

8821 tacacacacc ctttgacacg ttactgttag gtgcaatgaa aaggcaagtc acttaaagag

8881 acagatccca gaaaatcctg aaactttcta cctctgtgac ctctggcaag ttgctcatcg

8941 tctctcaggc tctataaaat gagagggttg agtaagatgc ctcccctctg attctgacta

9001 aatagagaat acaggcgtgg accacatgat cctctagtgg caaccattcc tctctttgaa

9061 tagacgaact tggtttgctg ttcttctccc actgccctcc tgccataaga accttcatta

9121 ggcaaatgat gtcatcagtg agaccagtcc ttgctggtgc caggattatg gctcttggta

9181 gccagaaggc aatgtcattg ggtcagcatg actttagccc tggggactag ggcaagagat

9241 cggccattgg cacctcagga tgcacatgca aacggatgaa actcaccatt gtcgccgaca

9301 gcattgcttg ggaaatagga ttctcctcta ctcctgggca gttttgggtc taggaattgg

9361 gaccccgaga agctgtaatt tctgcgagtt gtgtgggtcg ttcgccacct gccggttatt

9421 tcgcaaactg cagctgggac tgcgaacatt tgcaacttga ttcattcagg actacttgat

9481 tctattccat taattcttct ccatacaatt tggttcaacc atagagcatc gtgaggactt

9541 aatgacgttc tcccctgata ctcccattag agataactga gatgtttgtt aatattcaga

9601 ttctgaagct ttatcccaga cccaccaaat cagaatctgg caaattggct cttttagcaa

9661 gctacctgga agtccttttg tatactaaag ataaagaact atttctctag aggtattctg

9721 ggtgataaga cagtctccat tactcagact catgaagaac taatatattc tgataaagaa

9781 gttaaactag ccatgtaaat atgttaatac tttatttggg taagaggatg ccctagtgac

9841 ttgaggggga ggagaggctc agtaagttat tacaaagatg gcctttgata ctggccctga

9901 agaatggtca gaaacttgca gcgggaagaa aagatccaca ggaacaacct acccagcccc

9961 ggagcctttc gcttccttga ctttctccac tccagtagcc ttaacctcca ttcctcttca

10021 gccacccctt gcaagtctgc atcttgggct ttgtctttac ccaaaagagc cccactttgg

10081 aaatcttaac tttccattcc catatgtagc ctcatcctct gattcttcct catcctcact

10141 tctgccctac ctctctccaa cctcctttcc tgagctctat ttcttccaat ctggtctccc

10201 cccaactcag gaaagtttga ttgattaact cataaacctg taacttataa aatgcgtacc

10261 ttcccatcct aaaaaaaagg ctgatacact ctctgacctt gtgaccacct tcagccctct

10321 gacaaatttt ttgaacatta gtcaacaccc acagtttcat ttatttcttg ctcttccctc

10381 tggagtaccc agagtgtgtc tgtgggaatc tttctggatg aggggggctg agtaaagatt

10441 gtgggtaggg ctcatccaat ctgttgaggg actgaggatg agtgagggag aacttactct

10501 ctctacctgt cttggagctg gggcactagt cttctcctaa ctttggactc agactcatac

10561 tggaactgta gtctgggtcc acagtttgtc aactgcagat cttgggactc agcctccata

10621 accacacgag ctaatttctt gaaatacatg tccatctaca tctaatttct tactggttct

10681 tttttctgga gaacccagac taatacagtc accccgactc tattttgcta cacataaaag

10741 ataaatcagg tcctacttta tttgatcatc tcaatgcatc tggccctgct gatcactcat

10801 ctcttcttga gattctctcc tcctttgact accatggttc ttatccttct gatcctttgt

10861 ttctcagtac ttagtttttt tagtttctca tccccagtgt caagttcctt gatgacatat

10921 gctgccctta gagtttagct tccacctctt ctgctgatga ctctcaaatt cttggttctg

10981 gactgacctc cctgggatct gaaactggtg tgaccaacat tgctactgga atattccatg

11041 gatgtatcaa gggcaacata tttgaaactg agatcatgct tattccctca actcgttccc

11101 tccttttgtg ttctatattt cagggtttag caccatctgc ccacacagtc aaaccaaaat

11161 cctggggtca tgccatactc tcaccactct ctcacaggca ctccacaacc accaagtctt

11221 aacaattata cacacacaca gacacacaca cacatataca cacacaaaca cacacattta

11281 gtatgtatat aatataaaca aatgtacata atgaaaaatc catctgaatt taaatcattt

11341 tcttcctccc tattactata tcattgcttt acttcagtat tgtcccagct ggtattcatg

11401 cttttagttt aatctccctc aaatactttt tcttcactgc caccagaatg atctaactaa

11461 atgtcacagt cacacgtata aaaggcatca gaacataaaa aaatggaact ttatattaca

11521 gccccagaca aagagatctt tacaaagtat cacataccct attgctcctc tacaaaacct

11581 ttcagaacag gggaacagga tggctgaata gaagccttca cctatcattc tccccacagg

11641 aacaccaaat tgtgtgacta tccacacaaa aaagcatctt cataagaacc aaaaatcagg

11701 taagccatca cagtacgcta ttttagtttt atatcactga aagggacacc taagaaggta

11761 gaaaagacag tcttgaattg ctgatgcaac tcctccccca tcaccccaac actccagcag

11821 cagtggacgc atggcatgga cagagaatct gtgtgcttcg gtaagggaca gcaaagggat

11881 tgtgggactt ggcattgtcc tgccctgcca tagtggaaag caacaccagg cagaactcag

11941 tcagcaccca cagagggagc atttagacca ggcctagcca gaggagaact gcccatccta

12001 gtgttcaaaa gtttagttct tgcaagtctc accaacatgg gctaaacagc tcttgggtac

12061 taaagaaact caaaaggcag tctaggccac aaagactgca attcccaggc aagtcctgac

12121 gctatgctgg gctcagagcc agtggacttg cggggcacat gacctagtga atccccagca

12181 agggttgcca agggagtgct tgtctcaccc ctcttccaac ctctggcagc acagctcaca

12241 gctccaggag agactccttc cctctgtttg aggaaaggag agggaggaat aaagagggct

12301 ttgtcttgca acttgaatat cagctcagct acagtagaat agggtgctgg gcagagtcct

12361 gaggtcccta ttccaggctc tagcttccag acaacatttc tagacacatc ctgggacaga

12421 agagacccca ctaccttgaa gtgaaggacc cagtcatgga aagaaccttt gggccctgaa

12481 tgatcagcaa cagtaaccag gtagtatatt ccatgggcct tggcttcagg tgtgacccag

12541 catattccta gctgtggtgg ctatgaggag agactccttc tgcttgagaa acagaggggg

12601 aagaataaag gggacttagt cttggagctt gggtatgagg ttggccgcag tggggtaaaa

12661 tagcaggcag gctcttgggt tcccaattcc aggccttggc tcttggatgg catttctgga

12721 ctgccctggg ccagaggggg cccactcctc tgaagagaga gtcccagacc ttgcagcatt

12781 cacaacaagc tgcccgaaga gcccctagcc cttgagtgaa gatcagtgat agcctggcag

12841 tactccctgt gggtctgggg cagtggtagc cagggtgaga gacccctctg tttgtggaaa

12901 ggggagggaa gaatgggaag aactctgtct tgtggcttgg gtgccagctc agccacagta

12961 aaagagagca ccaggtagtt tcctaaggtt tccaactcca ggctctggca cctggatgtt

13021 gaagagttag gtgtttaata ccctacttgc agtatgggct tccatctctg gaccagccta

13081 aggctgggga gaatgtgtca ccctggctgg ctttgccacc tactgattgt agagccctag

13141 ggccttgagt gaacataggc agtagccagg cagtagttgc cacaggtctt gggctacatc

13201 cagtgctgtg ctggcttcag atctgaccca gtgaagtcct agtggtggtg accacagggg

13261 tgcttgtgtc actgctctgc tcccccagct ccagacagct cagcacagag tgagagactc

13321 tattcatctg ggaggaagta aggattaaaa acaagagtct ctgcctggta atccagataa

13381 ttcttctgga ccttatccaa caccaccaag gtggtacctc tgtaagcttg caagagccac

13441 agtattactt ggtttggagt ttcccctgtt gcaaatgcag ccgcagtgat caaaaacttg

13501 gattacaata tccaaattta ttagaatacc tggaaatcct ttccaaaaag tactactaca

13561 aacaagccca gatggtgaga actatataaa acactaactc ttcaatgccc agacaccaat

13621 gaactagatg gtcaagtatc aagatcatct agaaaaacac gacctcacca aatgaactaa

13681 ataagacacc aggaaccaat gctgcagaga cagagatatg tgacctttca gacagggaat

13741 tcagaatacc tgctttgagg aaaatcaaca taattcaaga taacatagag aaggaattca

13801 gaattctatt ggatgaattt atcaaaattt aaaacaatta aaaagaattg agcagaaatt

13861 ctgaagctga aaagtgcaat agacatactg aagaatgtat tacagtcata agataattga

13921 cgaagcagaa gaaagaatta gtgagcttga agacaggcta tttgaaaata cacaaaggag

13981 acagaagagt aaaaaagaat gaagcatgcc tacaagatct agaaaataac cttaaaagag

14041 cagacctaag agttgttgac cttaaagaga aggtagagag agagatgggg gtagaaagtt

14101 tttcaaaggc ataataacag aacttgctga acctaaagaa caatatcaat gttcaagtac

14161 aagaagatta tagaacatta agcagattta acccaaatag gactacctga agacatttaa

14221 taatcaaaaa aggtcaagga taaaggaagg aggctaaaag cagcaagaga aaagaaacaa

14281 aaaacgtgca acggatctcc aatacatctg acagtagacg tttcagtgga aaccttatag

14341 gcatggagga agtagcatga catatttaaa gtgctgaagg gaaaaaacta ttttttcttt

14401 ccaactttta ttttaggttc agggactata cctacaggtt tgttacatgg gtgaatttta

14461 tatcacaggg gtttggtgta ccgattattt tgtcacccat gtagggaaca tagtatctga

14521 taggtaattt ttcaatcctc acccttctcc caccctccaa cctcaagaag gactcagtat

14581 ctattgttct gttttttgtg tctatcttca ctcagtgttt atttggtttt ctattcttgc

14641 atgaattcac ttaggataat ggcctccagc tctatccatg ttgctgcaaa tgacatgatt

14701 tcattcattt ttatgatata atattccatg gtgtatatgt cgtacatttt ccttatccag

14761 tctaccattg atgggcatct agtttgatta catgtctttg ctattgctaa taatgctgca

14821 gcaaacttgt ccacgtgggt atctttatgg tagaatgatt tatattcctt tgggtatata

14881 atataatgct gggtcgaatg gtagttctgt tttaagtcct ttgagagatc tccaaacagc

14941 tttccacagt ggctaaacta atttactttc ccaccagcag tgtatgaaca tatccttttc

15001 tccacaacct caccaacatc tgctacattt ttattttttc atgatcgcca ttctgattag

15061 tgtgagatgg tatctcattg tggttttgat ttgcatttct ctaatgatta gtgatgttga

15121 gcattttttc atatgcttgt tgggtgtgtg tatgtcttct cttgagaagt gtctgttcat

15181 gtcctttgct catttttaat gtggttgttt gtgttttgtt tattagttta agttcctcac

15241 agaatctgaa tattagacct ttgttggatg cgtagtttgc aaatattttc tcccattttg

15301 tgggtcttct tttttctcta ttgatacttt attttgctgt gctgaagctc tttagtttaa

15361 ttaagtccca cttgtcaatt tttctttttg ttaacaattg cttttggtgt tttcttcatg

15421 aaatttttgt agcgctgatg tccagaatgg tatttcatag gttttcttct agggttctta

15481 aagttagttt taggttttta aagttttagg tcttttaatc atcttgagtt gacttttgta

15541 tatggtgaaa ggaaggagta cagtttcaat cttcagcata tggctagtcc tctatcccag

15601 caccatttat tgagtaggta ttcccttccc aattgcttat gattgtcagc tttgttgaaa

15661 atcaggtaat tatagatgtg caactttatt tctgaattct ctaacctgtt ccattggtct

15721 atgtgtctgt ttttgtaaca gtaccatgct gttttggtta ctttagcctt gtggtatggt

15781 ttgaagttgg gtagtgtgat gcctctgact ttgttctttt tgcttaggat tgttttgaat

15841 acctaggttc ttttttggtt tcatatgaat tttagaatgg tatcttctta ttctgtgaaa

15901 aaaaatgtca ttggtagttt catagaaata gcaatgaatc tgttgtgggt agtatggcca

15961 ttttaccaat gttaattctt cctacccatg agcatggaat gtttttccat ttgcttgtgt

16021 tgtgtctgat ttctttcagc agtgttttgt aattctcatt gtagagatct ttcacctccc

16081 tggttagctg tatgcccagg tattttatta tttttgtggc tattgtgaat gtgattgtgt

16141 tcttaatttg actcccagct tggatgttat tgtgtacaga aatgctacta atttttatac

16201 attgattttt ttattctgaa acttttatga agttgtttat cagatctaga cgccttagag

16261 cagacacaat ggggttttct tggtatagga tcataacatc tatgaagaga gatagtttga

16321 cttcctctcc tatttggatg tcttttattt ctttctcttg cctgattact ctggctagga

16381 cttctagtac gatgttgaat aggagtggtg agagtaggca tccttgtctt gttccagttc

16441 tcaagcttcc agtttttgct attcagtata atgttggctg tggattcatc atagatggct

16501 cttattattt tgaggtgtgt tcctttgatg cctagtttgt tgagggtttt taacatgaag

16561 ggatgttgag ttttatcaaa agccttttct gcatctattg agaagatcat gtggtttttg

16621 tttttagttc tgtttttgtg ataaatcaca tttattgatt ttcctatgtt gaatcaacat

16681 tgcatcccag gaatatagtc tacttgatca ctgtggattt gctttgcgat agtttcctgc

16741 tatttttgtg tggttttcta agtctttttg tagacctcta agaatttatg aatctgggtg

16801 ttccagtgtg gggtgcatat atagttagga tagttaagcc ttctggttga attgaactct

16861 gtattattat gtgatcctct acttcattat tttttatcat tgttggttta aagtctgttt

16921 tgcctgaagt aacaatatct atccctgctc ttttttgttt tccatttgct tgatagatct

16981 ttctcgatct ttttactttt agcctatgga tgtcattcat gtcagatggt tctcttgaag

17041 acagcatata gtttggtctt gcttctgtat ccagcttgct actctgtgtc ttttaattgg

17101 agggatttag cctacttaca tgctagttta atatggaaat gttcagattt gatcctatta

17161 ttgtgttatt agctggttgt tacataaatt gtgtagttgc tttacagtgt cagtggtcta

17221 tgtacttatt gttgtggcca gtaatggttt tttgtttcca tgtttagcac tccttaaaga

17281 tctattgtaa ggcaggtttg ttggtaatga attccattag catttgcttg tctgaaaaga

17341 gttttatttc tcctttactt ttgaagttta gttggtctgg atataaaatt cttggttgga

17401 atttattttc tttaggaatg ctgaatatag atccccaatc tcttctggtt tgtagggctt

17461 ctgctgaaag gtcagctgtt atcctgatag ggtttccttt gcaaatgacc tgccctttct

17521 ctgtagctgt ctttaatata tattttttcc acactgacct tcgagattct gatgactatg

17581 tgtcttgggg atggtcatct tttatagtat atcagaggtt ctctgaattt tctgaatatg

17641 aacatcgacc tctctaacaa gattgggaaa atttttgtgg acgatatttt caaatatctt

17701 tcccaagttg cttgctctct cttcctgtct ttcagggatg ccagtgactc ataagttagg

17761 tctgtttaca taatcccaca tttctcagag gttttgctta ttttaaaaat tttgtttttc

17821 cttatttttg tcgcactgaa ctaattcaaa gaaccagtct ttgagctctg aataatttcc

17881 tcagctcagt tgattctgct gttaatattg tgttatgaaa ttcttgtagt gagtcattca

17941 gctctattag atcagtttgg ttctttctta aaatggaaat tttgtctttc atctcttgaa

18001 tcattttact gaattcctta gattctttgg attgggtttc agctttctcc tgaatctcta

18061 tgatattcat tgccatctag attctgaatt ttatgtctgt catttcagtc atttcattct

18121 ccttaagaag catcactgga aagctaatgt ggtcttttgg agatgagaag ctttggcttt

18181 tagaattgtc agagttgtca tgctggttct ttctcatctg tgtgggatga tgttctttaa

18241 ctgtggtgtc atttgagcag tcaattggct tcatttctag atgttttcag agggccagtc

18301 tttgtgcagg gtctgtcttt gtggctgaat tcttgctcat ggtttcacag tgggatgtat

18361 tagcaaagta tttttgctat tgtagtttca gctgcagttc agtagatggc acttaaacat

18421 aagggccatt agataggttc tcactcagtt gcatggctcc tctgtatttc ctcctgcttg

18481 cctccatcct ctcagtgctc tgacagtgta ggctcctctc ccagtcaagt gctggccaca

18541 gatcttggct tggcactccc aggctgcaca ctgcagccct ggggcaagct tgggcttttg

18601 tttcctccct agcttaaggt ctgcaggggc agagaccttg gcagtggcaa tggcataagg

18661 cctgtcgctt gtacctggga gctccacccc agagaaaagc ataagcactg ccaattggaa

18721 tcatcaccta cgggtggggt ggctgctctg tagtcccaaa ctgggggccc tgcatggtta

18781 agaagagcag ggagtcaggg tctcacagtg aagaaagact gggctcctgt ctgtatggaa

18841 gctgcatgat gaagctctga gcaaaatgaa cagggtcttt gttcactccc cagcccaaga

18901 gcagcaaggg caggtaccat ggcagtggta gtgccagagg ggttgtcagt tgcttctggg

18961 agctctgccc tggagaaaca cagaggtgct gccaatggga acgtttagct gaaggtggga

19021 cagctgtgtt gcaggcctaa gccagtgggc cctgcctggt gaagaaaaag gtgtgtagag

19081 ggctctgggg gaagacagtc tggcctcttt tccataggtc ttctgtagtg tgctggaaat

19141 gtgagtaaag cactcaggct ctttgttgtt cctttctcag ccagaaggta gcagtggcaa

19201 tggcagagag gctgtcagtt gcttggggga actctacttg agagagacac ggggctgtca

19261 gtggaaatgt tcagctggag gtgggatagt tactctgcag gcccaagtgg gggtttctgc

19321 ctgatgaaga gcagggtgtc aggagctcac agggaagaga gactgggctc ctctctgtat

19381 ggtggctgag gcatgttgga tatgtgagca aagcaatcag ggtctttgtg cgttccccaa

19441 cccaagagca gaaagagttg atatgctgcc gtggcaatgg cagagagccc gttagttgtt

19501 tctaggtatt ccacctcaca gaaatgcaca gccaccacca actgaagtga gaaggtggct

19561 gtggtgggag cccaggttgg gaggccctgc tgagtgcagt gtagcagggg caaggaccag

19621 tgtcaagaat aatctggctc cttttctgta tggcatctac tacagcatgt tggaggcttg

19681 agacagtatt tgggctcttc actacctccc tagcctgagg gaagtagagg tgagggccaa

19741 gacagcagac agcaagcagc agcaactaag ggtctgtcat ttacctctgg gagttctgtc

19801 ccagagaaat gcagagctgc tactggccca aatgcttagg tgggagtagg gtggctgttc

19861 tggggtcctg ggccagtggg ctttgcctga agatatgaag cagaggtgag gcttgcagtc

19921 tgtcccttcc tcagcactgt ggacacaaac cctatcctgg gggttagcaa gagagcctgg

19981 cattccttat tggtgaaata cacacttaca gcaggtggtg tcggggtgct cagggatcca

20041 agacccttgg ggatccatgt gagcctgagt ggtagctctg cccggactct aggcagttgt

20101 ccatgtcagt ttggaggcct gggagtgggg cgttgtgggg agggtcacag ggaaaatcct

20161 gtgcccagaa ttgcaaagat ctatgggaat agtgtggtca ctggggcctc ttgctcacgc

20221 accctttccc catggtgggg atactccctt gcttccatgc caatccttgg tgggcagctg

20281 tcctgcctca ttcctctctg ctctctgtgg ttcactgttg cttccttgct gaattccaac

20341 atggcttcct ggacaatctt gtcgaagagc agtactaagg aaaatttata gtgtttactc

20401 acaactttat ctccattcca tgagagcggt gcacagtagc tgcttcggtc agccatcttg

20461 gcacctaccc tctggaaaaa aatgtttatc ctagagtagt atatccagcc aaaaagttct

20521 tcaaacatga aggagaaata aagactttcc cagacaaaca aaacctgagg gattttatca

20581 acaccaaact tatcctacat gaaatgctaa agggagtttt ttaatctgaa agaaaatgat

20641 gttaatgagc attaagaaat aatctgaagg tgaaaaactt actggtaata ctaagcacag

20701 agaaaaatgt aatataataa cattgtaaat atagtgtata aattactcat atcttgagta

20761 gaatgacgaa aagatgagta aataaaaaat aataactaca acaacaactt gtcaatacat

20821 tgaaagtaca ataatatata aatagaaata ataaaaagtt aacaatcagg gcaacaaagt

20881 taaagtgtag agttttaaaa ttagttttct ctttgcttgt ttgtttatgc aatcagcgtt

20941 aagttgtcat cggattaaat taataggtta taagatatta tgtggaagcc tcattggtac

21001 cctcaaataa aaaaccatat aacaggtaca aaaaaaagta aaaagcaaga aattataaca

21061 taccaccata gaaaactgct ttcactaaaa gaaagacaga aaggagggaa agaagaaaaa

21121 gaccacaaaa caaccagaaa aataagcaac agaaatggca ggagtaagtc cttacttaat

21181 aatagcattg aatataaatg gactaaactc tcagtattag ttctttctca cactgcttat

21241 aaagacaagc ttgagactga gtaatttaca aaggaaagag atttaattga ctcacagttc

21301 tgcagggctg gggaggcctt gggaaactta caataatgaa ggataagcaa acacatcctt

21361 cttcacatgg tggcagcaag aaggagtgcc aagcaagagg gggaaaagcc ccttataaaa

21421 tcatcagatc tcctgagaac tcactctatc acgagaacag cttgagggta actgccccca

21481 taattaaatt acctcccagc aggtccctcc cactacatgt ggggattatg agaactacaa

21541 ttcaagatga gatttgagtg gggactcagc caaaccatat cactctccaa tcaaaagaca

21601 taggctgtct aaatggaaag aaaaaataag tctcaatgat ctgttgccta caagaaacac

21661 acttcaccta taaagacaca caaagactaa aaataaagaa atagaaaaac atacttcatg

21721 ccaatggaaa ccgaaaaaga gaaggagtag ctacatttag acaaaatata tttccagata

21781 gaaactattt aaagcgacaa agaagatcat tatataatga taaagtggta aattcatcaa

21841 gacaatataa taattgtaaa tatatatgca tccaatgatg gagtacccag atatacaaag

21901 caaatattat tagagctaaa gaaagaggta gattcccata caataatagc tagagacatc

21961 aacacctcac tttcagcatt gagcagaaca ctgagacaga aaattaacaa agaaatatca

22021 atgtaatctg cactatagac caaatgaatc taatagatat ttacagaaca tttcattcaa

22081 tggctgcaga atatacatta ttctccacag ctcatggatc attctcaaga atagaccata

22141 ttttaggtca caaaagagtc tttaaaaagt tcaaaaattg agattatatt aagtatcttc

22201 tctgactata atggaagaaa actagaaatc aataacagga ggaattttgg aaactacaca

22261 aacacatgga aattaaacaa tacgttcctg aatgaccagt gggtcaatga ataaattaaa

22321 atagaaattg aaaaatttgc tgaaaccagt gataatggaa acacaacaaa gcaaaacctt

22381 tgggttacag tgaaagtagt actaaaagaa aattttatac ctataagtat ccacatcaaa

22441 aaattaaaaa aattcaaata aacaagctat caatgcatct taaggaacta gaaaaacaag

22501 agcaaacaaa acccaaaatt aatagaagaa aaaaaaataa agatcagagc agaaagaaat

22561 aaaacaaaga aaacaataca acagatcaac ataacaaaaa gttggttttt tgaaaaggta

22621 aacaaaatca gcaaaccttt agccagacta agaaaaaaaa gggagaagac cgaattaaat

22681 aaaatctgat atgaaaaagg agacattaca acaaatacca caggaattta gaggatcatt

22741 agaggctaca atgagcaact gtacaccact aaattggaaa acctagaaga aatggataca

22801 ttcctagata cataaaacct accaatattg aaccatgaag aaatccaaaa cctgaacaga

22861 ccaataacaa gtaacaagac ctaagccata atgaagtctt ccagcaaaaa aaggcctggt

22921 acccaatggc ttcattgcta aatttcacca aacatttaaa gaagagataa taccaatact

22981 actcaaacta ttctgacaaa tagaagtgaa gggagtactt tcaaactcat tctacaaggc

23041 cattattacc ctgataccaa aaccagataa aaacacatga ataaaggaaa ctacaggcca

23101 gtattcctaa agaacattga tgcaaaaatc cttgacaaaa tactagcaaa agaaattcaa

23161 tatcacgttt aaaagatcat tcatcaagac cacgtgagat ttatcccagg atacaaggat

23221 ggttcaacat ttacatatca atcaaagtga tacatcatat caacagaatg aaggacaaaa

23281 accatatgat catttcaact gatgctgaaa aagcattgga taaaattcaa catcccttca

23341 tgataaaaac tctcaaaaaa ctgggtatag aaggaacata cctcaacaca ataaaagcca

23401 tatatgacag acccacagct agggtcatgc tgaatgggga aagactgaaa gcctttcttc

23461 aaaggtctgg aaaataacaa ggatgcctac tttaaccact gaagttctag ttagagcaat

23521 cagacaagag aaagaaataa aaggcatcca atttggaaag gagaaagtca aattatcttt

23581 atttgtagat gacatgatct tatatttgga aaaacctaaa tacttaacca aataacagaa

23641 ctggctaaac aaattcagtg aagtttcagg atataaaatt aacatagaaa atcagtagca

23701 tttctatatg ccagcagcaa acaatctgaa aaagaaatga agaacataat cccatttaca

23761 atatccacaa ataaaataaa atacctagga gttaacctaa gaagtgaaag gtctctacaa

23821 tgaaaactat aagacattga tgaaagaaat tgaagaggat gcaaaaacca tagaaagata

23881 ttccatattc atagattgga aaaaataata ttgttaaaac gtacatacta cccaaagcaa

23941 catacagatt caatgcaatc cctatcaaaa tatcaatgac attcttcaca gaaacagaaa

24001 aaaaatccta aaatttaagg taccatgaaa cacccagaat atccaaagct attctgatca

24061 aaaagaacaa aactggagga attgcattac ctggcttcaa attataatac agagctatag

24121 taaccaaaac aggatagtac tggcataaac acagacacac agagcaatgg aagagaataa

24181 agaacacaca aacaaatcca tacatctaca gtgaactcgt ttttaaccaa ggtgccaaga

24241 acatacactt gggaaaggac agtctcttca atcaatgatg ctgggaaaac tggaaactca

24301 tatgcagagg aatgaaccaa cattcctatg tctcatcata ttaaaaaatc aaatcaaaat

24361 ttaagaccta aaactatgaa aatactgaaa gaaaacattg gggaaactct tcagaacatt

24421 gaactgggca aagatctctt gagtaatatc acaagcacag tcaaccaaag caaaaaatga

24481 acaaacggga tcacatcaag ttaaaaatgc ttttgcacca caaaagaaac aacaaagtga

24541 agagacaacc cacagaatgg gagaaaatat ttgcaaactc tacatccgac aaccagttaa

24601 taactgaaat tacaaagagg tcaaacaatt gtatgggaaa aattctaata atccaattga

24661 aaaatgggca aaaaaatctg aataagcatt gtgaaaagaa aacatataaa tggaaaacag

24721 gcatatgaaa acgtgcttga tatcattgat catcggagaa atgctaatca aaactgcaat

24781 gaaatatcat ctcaccccag ttaaaatggc ttataatcca aaatacaggc aaaggaactc

24841 ttgtatgctg ttggtgagaa tgtaaattag tacaaccact atggagaaca gtttggaggt

24901 tcctcaaaaa ttgaaaatag agctacaata tgatctagta atcccactgc tgggtatata

24961 ccccaaataa aggaaattag aatgttgaag agaaatctgc atgcccatgt ttattgcagc

25021 actattcaca ataggcaaaa tttgcaagca acctatgcct attaacaaat gaatagatat

25081 gcaaaatgtg gtacttatac acaatggagt actattcagc cataaaaaga ataagatcct

25141 gttgtttgaa aaaacatgga tggaactgga ggtcattatg ttaaacgaaa taagccagga

25201 acagaaagac aaactttcca tgttctcact tatttatgga ggctaaaaat taaaaagatt

25261 gaatttttgg agacagagag aagaacaatg ggtaccagag gctgagaagg atagtgtggt

25321 ggtgaaagcg tggatggtta atggtacaaa aatatagtga tatagaatga aaaacgtcta

25381 gtatttgaca gcacaacaga gtgactatag tcaatgataa tttcttgtac attttaaaat

25441 gaaagagcat aattggattg tttgtaacac aaagaaagaa taaatgcttg aggtacagga

25501 taccctattt tccatgagta taagcgtgca atgtgtaatg tgaccattaa gcattgcatg

25561 cttgtatcaa aatatcttat gtactccata aatatacacc tactacatac tcacaacaac

25621 taaaaattaa aaattaaaat aatgaaaaac ctttcagtag cctcccatta ttcttataag

25681 aacccactgc ctttgaagtt cccgtaagag tgaaaaacct gctttgcctc ctttcatgaa

25741 ctcagcactc actgtggtgt ctcaaaaaag gcagatgttc tatatacacc tgttgaagaa

25801 gtgaattgag ttggtggtac caaagctgct tacaaaatgt aagatatatg tatatgtaat

25861 acaggaagtg gcatgcaaaa cacttaattt aatagtctca gaaaaactgt ccttctcctc

25921 ttgtcatctc tgtagcctca tttattcctt ggcatgggct ctctaggatc accagcgatc

25981 tttttatgtg aatatcttcc tagcctcaag caactgggtc ttctctccaa ggagcccaca

26041 gagtttggtg cttatttatt gaatagcagg catttaataa atgttcattg tagttgatat

26101 tgatggtttc acataatcat ggttgttaac ttgtcaaagt cttgtgccat ttccttctca

26161 taagctgtaa gtataagaag ggcacagtgg gaagagcaga ggccctgtaa tggtgggtcc

26221 tagggtttgg gatggttggg cagggtaggc ttggctttgg gaagccttga atgacagaca

26281 aatggtttgg ttgggatggc ctgggagatt tgtaagcaga gaggtaacac agatgataag

26341 tctgaaggaa tggaaggggg attggaggag acagactctg acgacctcaa acccctttcc

26401 taacatcact ttttctgagc ttgttcagca cacacaccgc cattcattta ttctttcaac

26461 agacactaga atgtaagccc caggatggca ggggctgtgt ctgcttcatt taccagtggt

26521 tttttggtgt ctagtacagg ggctgccaca tgataggagc tcaataaata ttactgcatc

26581 aacgtttatt ggatacctac tatgtaccaa caaagtggtg ggttctagga tgcaaaaatt

26641 gaaaaaagac tcagtctctg tattgaggga gttaacataa tattcctttt cgcaagaggg

26701 caaggaaaaa ggctgaatgc aaaaccagaa tgtcaacagg gtgctaacgg agaccaatgg

26761 aaggggcaac tgactctccc cagggaaggt aggcaaggag attgagggaa gtagcaatga

26821 aaggagagct tgcaaaatga agtcatcaga gctttgcata agaaacaatt catggacctt

26881 agatcaagta gtgaggatta aaactatgtc tatgtgaggc tttggctagt ttttctacct

26941 aagacatcct tacctctcct ttccacttgg gaatcatctt cctttcctaa ccatcatcat

27001 caaccctcaa ggcagtcagg ggcatctgtg gcgcattccc ccagcacttg gccccacaca

27061 gccaagctct aacacctacc caccccactg ctatttccct ctcataagct ttaagttgtg

27121 ggggagcagg ttattttgtc tgactcacat agttcctgtg tgggggtacc tacaaatttt

27181 ggaagcctgt ggcttataaa actttggggc tctatttaag gaaaggaata caaaatttta

27241 aatataaaat ttgatagaaa aatgaatatg tctttagaac aaaaacccaa gtaaatgcca

27301 ccttattgaa ggctggcaaa atgccacaaa ttccaggtaa attatataat atttttatta

27361 ataaattatc taatcaaccg ctatagtaac tgtttctgta tttttggtgt acactgatta

27421 tctcataatt tttactttca ttatcttcag agagaataaa cagataattt attttttcta

27481 taacatgatt gaaatttgtt tttttattat tgataccata gatacgtaag acatattgct

27541 tcacacacaa atatactgaa atgtgtagtt gtagaaccac taaagatttg tgccttacaa

27601 acaggaattc tcatacattg atttcacaca attctccaca gaaatgggga agaaaggatg

27661 tgtgtttttg ctttattatc aagtatattc ctgacaagga gagaaattct gttttgatca

27721 gggattagag agaactagac cccatataac atgctctcca aacttcttct caagacctta

27781 agacctagta actcaggaga gtggacagca ggggtgttct ggaatctctt cttacaccta

27841 gacagccagc aaaacaactc ttataaaagt cagtgcaaaa gatgtcaata taaccactaa

27901 ctatacacaa atgaattttc atcctatctt gttcttatct ggatctcaaa ggtgtctgtg

27961 gccactggcc atgaggagaa gcatgatgga gaggatgtta atgtgggaag agatggcagt

28021 catacctaac tgtggattaa ctatcttact ttggcaaatt aaaaaaaaaa agatgaaaat

28081 atgtaaccag acaaactcat ttctagagtt cctctaagag cctcagagct tatgtagatg

28141 tgaggctcta aagctttagt tcattagcta catgatgaat ctgcctctgc tgtctctgag

28201 taggtggtaa acacatactg aatgaatgaa tggcagaaat aaaataaaaa gagcattgaa

28261 cttggactca gatagcctgt gtgactttga gcaagttact taactactca gtttattttc

28321 tcatttttaa aatggggtta gcaatctata ccttacagat aatgtatttg aaaatactct

28381 gtaaatcaaa atgtaaaata caaatagaaa aatagttttt agaaagataa cacataatag

28441 aagttcccta acttaatatc tcaatgagtc ccagttccag agatatcttc tcaatgatta

28501 gactgaagag cacaactcaa tagatctctt tgttccttca aaagcagaga tggagctatc

28561 tctgagaatg gcattctctc catctactta gcagcctaag agtcatcttt gacctgtttc

28621 tcatgctggc tcatatctaa actgactcct ctttttaaaa tttctaaatt tttctcaaat

28681 tcatcctatt ttcttcatct ccaccctcag taccacttta gtccaaggca tcatggccat

28741 ttctcacctg gacaagtgca atcacctatt agctgctttc gataccctcc attccactct

28801 ccaccttgca gccagagtgg tcttgtcaaa acgcacatct aatggagcca cctctgatta

28861 cacacttcaa gggcactcca cctctcagga taaagataaa agttccttgc catggttgac

28921 atggtctacc ccaaggagct ttccactcgc atcttcaacc aagttcccca ttgtttctgc

28981 aatatgacct ttgctcatgc tattccttct gcctggaagg ttctggaagg ttccaggttc

29041 ttcccttccc ttttcatcta gatatttcta ctttgctctc tgagattgca aaaacttcct

29101 agggaaaagt tctcacagca ttatgtacat ctccttcatg acacttgtta agattacaaa

29161 tttgaattta ttcctgtgat ttgactaatg tctgtattag tctattctca tgctgctaat

29221 aaagacatac ccaagaccgg gtaattaata aaggaaagag gtttaattga cccaccattc

29281 tgcagggctg aggaggcctc aggaaactga caatcatggt ggaaggggaa gcaaacacat

29341 cctttttcac atggtggcag gaaggaaaag tgccgagcaa aagagaaaaa agccttttat

29401 aaaaccatca gatatcctga aaactcattt attaccatga gaacagcagc atgggggcat

29461 gagaacgccc caatttgggt ggtggcacag ccaaaccata taaatctcca tttgctaaaa

29521 gaaacataaa ctcaggaagg cagttataat catagaacct agaaaagtgg ctctcttgca

29581 gcaaaagctg aacaaatatt tttagattgg gtgggtggat ctcatgtcta gtcccccaag

29641 tgtctcctta gccctagacc tcagccacct ttttccctgg tgagacagac acagaggaat

29701 tagcaaaaga atttatatcc acaatcaggt ctgtgtctta tcaggaaact gagcacccca

29761 tggcctgatg gactgtgtac ctcagaatat gtgcctccaa aattttttat tagatgagta

29821 gtgactgcag tctccaaaac tcatgctttc aaatggtcaa acctaccaag tccctgcaag

29881 ggtcaggggt ctctaagtgg ataggggtgt ttagaccacg ccccttccac taaacatttt

29941 gcttcccttg agaaccagag ggaaaagata atggggactt tctccagccc tgacatcacc

30001 atacctgata ttttgctttc tatcccagaa gactacaata tctcagactt ctcatccaca

30061 caatgagaat actaaaaacc tatcagtcaa cagtaattta ttgtacattt aaaaataact

30121 aaaagtataa ttggattgtt tgtaacacaa agaaaggata aatgcttgag gtgacagata

30181 ccccatttac cctgatgtga ttatgactca ttgtatgatt gtatcaaaat atctcatgta

30241 ccccacaaat atatacaact actatgtacc cacatatatt aaacattaaa aaattttaaa

30301 ataaaagcgt atctcattgg actgtagaaa gtatcaagtg agataacctt tccgatgtgc

30361 ctggtactga ataactaagt gctgaattaa tttttgtttc tctctctttc cagaaggaat

30421 gaaatagaaa gaataaagct gaaggacatt tcatttatgt tcaactagaa atccaatata

30481 gttttaggca aactatattt tcccttgcaa ctgtactccc ttacatacat gtaagtggga

30541 aagaataaat gtgacaaaca aaatatcact cctgattcca caatctaaac aaaacactgc

30601 ctctttctag gttttgtttt ttggtttttg tttgtttgtt ttttggcata gggttggggt

30661 gtatgcttct tgacgtacct acataatgag gaatacaagg ctttgtatct tttatcagta

30721 attattcata gcttaattgt gtaaattgta aaatatcaca cttttataat cttaattttt

30781 ttttgtggct gcagctatta tttgaataaa ctgtaattaa ttattttccc tgagctgaag

30841 atttcatttc tccccacact atctggaatc atgttgccct gaacatactt gtgcatattt

30901 ttctacattt ctgattatac tagtaagcat tgaacacata atgtgcatca ggcaccatgc

30961 ttagtcctga ggatttagaa atactgatat ttgatctctg tcctgagagt tcttagtcca

31021 ggagaggaga cagaagagtg gaaacaaaat cacaagagag tgtgtgagtt tgcagagaaa

31081 actgccaggc agtatctggg ccaaggaagg atgcccacct ctgactagga gcaatgagtc

31141 agaaaaaaaa aaaaaaaaaa acttttttga agatgtagtg tatgaattga cctggtgagt

31201 gttgatcctt actcctaagc cttccatttt ggcagcctcc cctagctttc accttgaatt

31261 tttcttcaga ccaagcatac cctgataact ttggatttga tgtccctttc tctgttatca

31321 atggctgagc cttctctgcc cctaagtgtc ttctattcct aatgacattg ttgctctgtc

31381 ctctgagcca tcagacttca atccagtcct atttgtgact ttgctaccat agtaatagtc

31441 agtggggttg cggtaaatgt ttagcaaccc acccacccaa acaaacagtg cttgctaatt

31501 atcatggtgt aaagactcac tctatgactg acttcaagct accaacatca tgtcactgaa

31561 cacagaattg ggaagagagg tacagtagca tattatgtca tatttctacc acatagatac

31621 aatggacata aaataacatt aaaagcatag gtagtaataa aatgcagtaa agtaattaga

31681 agtaatcttc ttggagtatt tattaccttt gtttttaata taattgattc aatcacaaat

31741 ttacataatt ttgtttttaa ttgtggttct gtttagaaat atgctcacaa aattattgat

31801 aagttcttga aaaatagtct ctggaatgtc tatgtgaact atcaggttgg tgcaaaagta

31861 attgtggttt ttgcattttt ttaatggcaa aaactgcaat tacttttgca ccagtctaat

31921 acttttagct cacaactggc tatgaaccag ttacatgaat ttgtcgtgcc tacttctcca

31981 gactcagctt acacctctct ccttttcact ctctttaccc gcccccccaa caactggctt

32041 atgtatgctc ctcagaaaag tcccatttac tcatatatta gagattttgt atagatgttt

32101 cctctaccag aaatcccttc ccctagctct ttgcatttgg agcctttcca taattcagtt

32161 ctcagctcaa acattacctt gttgaataga tcttccctca gcacccgact taaaccagta

32221 tcccccatat agtctcttac ctctttttaa aactcagtgt cttcttggtc actgtaagta

32281 ctgagtttat cttgcctttt ttgtctattt atttaatgtt cctgtttcct aataggatgt

32341 gaaattactt tgagtagact ctcctgttta tcataaacag tgcctggcac ttagtacatc

32401 ttcaacaaac gtttgttgaa taaatgtgtg catgaatgac agcacctcag tgatctcact

32461 ctgatgttgc cgagaaggga tgctcatgca atgacttcag agtcttgaga tcatacatat

32521 aatgtatatt atatatatat tggtttgtac ttaaacttgg atcaaatgca cttgatttac

32581 taactgactt tattatgact caatgtaaag tctaaattct gctaagaatt cctggaatag

32641 cctgcctgaa atcttatttt aatgaaaacc atgacttcat accttaattg cattgggttt

32701 atgtgggctt tggctgatct ttagatttct gggttgtctg tgagggaaaa gttagactaa

32761 aacgaaggat gccattgaaa caaggttctg aagaagttcg tgagtcatgc tgacttatta

32821 ggaagtctcc tttgtgtctg caatgagacg ttgcattttt ctctgaagtc tgatgaagaa

32881 agaacagttt taggacaagt aaatccatct taaatatcaa tccgtgtctc ttagattgtt

32941 gtgattagat ttgattgtga gtgacagaaa cgtcaaaaaa atgagtttaa agaaagtaga

33001 agttaatttt tctcatcaaa ttctaagtca gcagtctaag gctgctgaag tgatgcttta

33061 tgatatcaat aaccacaaat gcttcttctg tcttgaacct ttcctccttt gctctgaaaa

33121 acatgtctcc attcctaaat ttaccttata atgcaatatg gctgctcctg ctccagtcag

33181 catatctgca ttccatcctg caagaaggag aaaataaaag gagaagggtg tgcctcctct

33241 atggacacta cttaggtatt gcacagacta cttctccttg catttctttg gccaaatatt

33301 agacctgtag ttacactcag ctgcaagaaa ggctgggaaa ggcagttttt attctatgaa

33361 ggattgggga aaactaatat tgagtttcca tttccatgcg aaagaaggaa agaaaatgga

33421 gaacctagct gtatatgcca caggtccctt tctttcctat caacttgcca agcaattcct

33481 gaacatcagt gtaacttcta ggcagacttt ccacactttc ataacattgg caaatgagta

33541 aaccaggaat ccaaatgaat ttacacagtt tattgttcag ggcacaatag gcaacatgag

33601 gtccatattt tcattgattc tccttgtccc ccaagtccat gggtaatgca gagtagatcc

33661 aggtgtatgc tgagcataca gtttcacagc caaggaacac tgagcttagg acattctgat

33721 tcatacagaa gctgatggca acttcctcat cctcctcttc aaagataggc attatcttta

33781 ccttggcatg gaaacaagtt ttcttctggt gagaggttga agactttatt attatggaat

33841 gtcttcagag atggagatgt tctctgtaat tattatactg gacaataaat aattctgctg

33901 tctgacccaa agggacagac tagcctctaa tgctctttgc tgtgcatata tccttgaaaa

33961 ggtagtccaa gatatataga aatgccatag aaattgtctc taacatctcc atttgttaaa

34021 ttctttacaa atgcataaaa ctggttaaat atttaaggaa gtagcttaat ttaaaaaaaa

34081 aacccatcag tctagttgct gctaatagta cattgaatgt gattgttttg tttttgctgc

34141 tttggagttt gagactttct atacaggaca tgcatgctaa gagatggaga atcccatttt

34201 gcagcattag attcaatact cactgtaagg atttataaga acaaaccaga agactaaaac

34261 aaatggctgg gaagagaatt tcactagaga tgtgtcaatg tgctgtgaca tttctctttt

34321 gcttccattg gaaggggaga agtattccct cctctttacc ttataccaag ttagggtggt

34381 taaaaagaac ctaccagaga gcttggccta cgtcctctgg attttgcagg tgtagaaact

34441 gcctaactcg tgtataaagg caagaaactg gataacttct ttgaatattg agcatagaca

34501 gaaaagaagt ccagagaaga agctggactc caccattggc aggacaaagg tatgtttttc

34561 ttaaaatagg ctgcacggtg agataacccc aaaagacaat tgattgtggg atggacctct

34621 ttaagtcagg tggtattatc tggactgtga gaccatgttg aaaaacctct gggaaatccc

34681 caagacaggt acaaaatatc ccattagaga aataatcaga atttagacat cttaggtgta

34741 gacagttcac agaaataaca atagaaatta cttttaaata tgtacaaaca ttgctcaaaa

34801 taaggtacat tctaatttaa actataatat gtttttcccc ctctagaatg gtgagaatca

34861 aaaattttgg taagttctca tggatggtct ataggccaca tgcctgggta cctaacattt

34921 gttctggtcc cacagcaata aatttataaa tgttcttggt tcaagcaact tacattagca

34981 tgaagagctt gaatatgatt aatgagaagt ttgttcaggc ataagggtac cctgtgctat

35041 atccatttca ccaaactgtg caatgtgtga ttaacgtgtt atgctgaaac caagtttgtt

35101 gtatacagtc aagtccctgt ccagaactgc tttagtctca tgctcatcag gctgtgtgtg

35161 aaggaggagc tgagcttcca taaggtctag catatctctc attcacgcag gcattatcat

35221 ccacaagtgt gtaccccctg ctgtaaacat atcctgcttg ttcataggtg atactgatga

35281 tctttttgct gtgaatcttg actcagcaga cctcttgatt tactcaagtg atgtctggtc

35341 tttctgtaaa tctgaactta cttgttgaca tttgcccagt ggtaaagtat acaatgtcac

35401 attgggttga aaactatagg gaaagtggac attcttatat tttgttggta aaatgtaagt

35461 tggtagaact catatggatt gatagaccat acataaccgt ttaacggaga cagtccaatt

35521 tatatctggt tttttttctg tgtaattata actagtacct cctttcacta tcaaaacatt

35581 ccaacatgga taataaatta tatggtcatc ctctaaaggg taatttgtca gtatgtacta

35641 aaatgataca ttctcatgtc ctttgactca tacattcaac ttaatgtatt atttcacata

35701 gctatcttct tacacatgtg taaaatgata catacaaagt tcttcattaa agcattactt

35761 gtaatagtga aagattagaa acaacataaa tgttaatact taccaacaga gtactgatga

35821 aataaattac gataatccac ataaaaatac aatggagcca ttacaaaaga ataaataagg

35881 tcttcctgta gtaaacagcg tgacctcaag atatatcatt aagtttaaag tttaaaaagg

35941 caaggtttag ggccgggcgt ggtgactcac gcctgtaatc ccagcagttt ggaaggctga

36001 ggtgggtgga tcatgagttc aggagatcga gactaacctg gccaacatga tgaaacactg

36061 tctctactaa aatacaaaaa attagctggg catggtggtg cgcacctgta gacccagcta

36121 ctaaggatgc tgaggtgggg gaatcacttg aactggggag gtggaggttg cagtgagctg

36181 agatcgtacc actgtattcc agcctggcaa cagagcgaga cttcatctca aaaaaaaaaa

36241 aaaaaaggca agatttagaa tcatgtatag tatgctacta tttgtgtaag aaaaggaggg

36301 aaggaatata tgcatataca ctatcataaa tatttgctta aagatctcta gaagaaactg

36361 acaacattgg ttatctttgg agaagagaat caggtgcctg atgaacaggg gaatgtgaaa

36421 taattttcac taggttttat attttgatgt ttgagccata tgagtgctca cctcctcaaa

36481 aataaatgaa aaaagttata tctaaaagga aaaaattata taacttggag caaaaaaata

36541 aaaatacagc aaaaaaatta aaatataagg gataactttc aaatcagaga aagaaaattt

36601 gatctatata tctagcggaa agttaaaata ggctctatgg tgagaaaatc ccaaaagaca

36661 attgattgtg ggattggcct ctttaagtta agtggtatta cctggactgt gggaccatgt

36721 tgaaaagcct ctaagaaatc cccaaggcat gtacaggtat atctacaatg caggtagatt

36781 aaagatctag ctatgataga tctagatgct agagagaaga gcacctcttt ggaactttgg

36841 gatggggaag gacttcttaa acaatactct atagtacaaa ccacaaaaat ttttaaaagg

36901 atggacttgt tatttcaaaa ttacttgttt tattgtttaa tcaaggaagg acaccagttg

36961 acaattaact gacagtgaca cattgggagg caatgtgttc agtgactgag aagggcacag

37021 agctaatatt tggacacaga gctaacagaa attattgcaa caaatctaca agacaggaat

37081 cctagtagaa aatgggtaga aaatatgatg ataaactatt catagcatgg gaaatctaag

37141 aggtataagt atataaagag atgctcaaac tcatgagtta tgagagaaat tcaaattaaa

37201 aacaacaaga caccagctta tgctgatcag attggcaaaa attctgacct ttggagaata

37261 ccacatatta ggtataccca ccaataggaa ctcttttgcc tgctggttgg tgtgtagact

37321 ggtccaagcc actctaaagg gcaatctggc agcactttgt gaaattaaga gtgcatgttc

37381 cctatgattc ataatagcac cactcttcta tcccagaaaa tttctacccc aggcctataa

37441 gggaagaaag ataaggaaat ttatcacagt attgtttggg gtggtgaaaa attagcaatg

37501 acttagatgt ccataactgg aaaataaaga agtcaagtgt ggcaaataca cactgggata

37561 ttctgaacca tttagaaaag caaagaacta gatacatatt cagcagcatg gctggatcct

37621 aagaacacag ttgaaagaaa aaagaaacta tgaaatctat agtacatcca tagattgtag

37681 taaatctata gtgccacatc acatatccat gaaaaataca tatacgcaca aacatttcta

37741 tgtattttac aagttcaagg ctaaacatca tattagagaa gttgcctctg gggaaaggca

37801 gtgagagtga ggaattatga taaaagagaa tgaataaaaa aacaagagaa gggtcatgta

37861 ggttttgttt ctgtgccatg aactcatgga ttatgattaa ctcaaccttc tgcacatgaa

37921 gataaacaag aaagaactga taaacctgca atggttgggt aatcttcaac ttccaaatca

37981 gcaaaggtca gctctaagtt tgccaagtac acaacttctc atcttgtgac atgttcccca

38041 cctctgtgca gtgttaaaaa atacctcagt ggtctactga ctgactgtgg atgcttcttc

38101 tagatgtgcc tttttttcct ccatttcctt agcacccagc actgctctca ttatagcagc

38161 acattgcatt ccaaccaaat tgaacaaaaa ggtggcttaa aaatcatctg caagtttatg

38221 gcacaagcaa tctcttattt ttatcttagt gcataaataa atttttcctt tttgccagaa

38281 taattttttt taaagaagcg attagttttt cttctctcag atagcaatga tgtgctttcc

38341 tctcaaccta gatttagggc atttttatgt gagataggat taaaaattcc atttttgtac

38401 aaccactatg gagaacagtt tggcagttcc ccaaaaaact aaaaatagag ctactatatg

38461 atctagtgat cccactgctg ggtatatacc tataagaaag gaaatcagta tatcaaagag

38521 atgtctgttc ttttatgttt gttgcagcac tgttcacaat agccaagatc tggaagcaac

38581 ccaagtctcc atcaacatgg gttttaaaaa aatgtggtac tttaatacac aatggagtac

38641 tattcagcaa taaaaaagaa tgagatcctg ttatttgcaa taacatggac agaactggag

38701 gtcattatgt caaatgaaat aagccaggca cagaaagcca aacatcacat attctcactc

38761 atatgtgggg tctaaaaatc aaaacaatct gattcatgga gctagagagt agagagctaa

38821 ttaccagagg tggggaaggg tagtaggggc ctggagggga ggtggagatg gttaataggt

38881 acaaaaaaat atagaaagaa tgaataagac ctagtatttg atagtacaac agggcgaata

38941 tagtcaaaat aatttaatta tacatttaaa aatacctgaa agagtataat tggcttgttt

39001 gcaacacaaa agataaatgc ttgaggggat ggatgcccca ttttcaatga tgtgattatt

39061 acacattgca tgcctgtatc aaaatattgc acatactcca tgaatgcata catctactat

39121 gttcccacaa aaattaaaca ttagaaaaaa gagttgcatt ttcagctgtt atggggagaa

39181 gaaagaaaag ctatcatttt gttgtcctaa aaattatgtt gtcctcattt caaacaggaa

39241 agcaaaagta tttgagagcc agtgcagtgc cttggtgttg ggtgaaacat agattgaatt

39301 tgggccattt gtttaaactt cctaggcctc agtttcttgc ctattaaaag ggagtgcata

39361 gttcatggga ttgttaagag gaagaagtga aaccatgcac gtggagagcg tggcacagtg

39421 tctaagacag agtgtgcatg caaataagta gataatattc tttgcttttc tttattgcat

39481 gcctgtaata tttttggagt tgtcacattc attgccctca agtagcatca agggatgaaa

39541 ttatgtttgt aagaaaatcc tgaggctgag gaatacaaca tgttttatgt ctactacact

39601 gaaaaatgcc ggagtcagat aaagaataca gattctcctg aggatggaaa tcaagatctt

39661 cgccttcaat atttaacaac attgagcttc caacttacta tgggaaatat tcatcaggcc

39721 cctaaaggtt ccttttggac agaaattgca cttgttatat ctgtattctt agcagacagt

39781 agacagcctg gcacatcata aaggcttaag gaatcctaaa tatcccttaa aattctcatt

39841 ttaaagacaa aaacaaaaca aaaaaaaaaa acaaaaaaaa actgaggcat gggcttgacc

39901 aaatcagtgg tagaaccaag agttaaacca cttgttttga atcctaaacc tgagttttat

39961 tttacttatt tatttattta tttgtttatt tattttcaga tgcttggtca aagaacagtg

40021 ggaggagagg gatgggcttc cagcaacctt tattattggc ttattttctt acagcccatt

40081 actttctctt gggaaaatat taagcaggca ctcaaggctt gaggcccctg agttttcaca

40141 tcctttctga acctctgaac ctgctttcca gcattctttt atactttgtt ttacctcctg

40201 gtcagtaatg cctcaccctc agtcttctct aaaagtgtgg ttaatggcat cttcctgact

40261 atttgaagac cactggccaa atcccaccag ctcactcata gaccatcccc ctactttact

40321 ttcttcaaaa gacttagccc tacctaaact tatttatatg tttattttct gcccaccaga

40381 atggcagcat agctggggag gcagagtctg ttttgttcat tgctgtattc ccaaagacta

40441 gaacaccacc aagcacacgg tacaggtctc agtaattatt gtcaaattta tgtggatttg

40501 cttttaaaca atatcttcca tttactgagt gtttatgtgg aagaactgta ctaaatttta

40561 atgcatttct ttattcctat tcttaaaacc ttccagcaag gtggctctac caccctcttt

40621 tccgagcttc aggagcagtt gtgcgaatag ctggagaaca ccaggctgga tttaaaccca

40681 gatcgctctt acatttgctc tttacctgct gtgctcagcg ttcacgtgcc ctctagctgt

40741 agttttctga agtcagcgca cagcaaggca gtgtgcttag aggttaacag aagggaaaac

40801 aacaacaaca aaaatctaaa tgagaatcct gactgtttca gctgggggta aggggggcgg

40861 attattcata taattgttat accagacggt cgcaggctta gtccaattgc agagaactcg

40921 cttcccaggc ttctgagagt cccggaagtg cctaaacctg tctaatcgac ggggcttggg

40981 tggcccgtcg ctccctggct tcttcccttt acccagggcg ggcagcgaag tggtgcctcc

41041 tgcgtccccc acaccctccc tcagcccctc ccctccggcc cgtcctgggc aggtgacctg

41101 gagcatccgg caggctgccc tggcctcctg cgtcaggaca acgcccacga ggggcgttac

41161 tgtgcggaga tgcaccacgc aagagacacc ctttgtaact ctcttctcct ccctagtgcg

41221 aggttaaaac cttcagcccc acgtgctgtt tgcaaacctg cctgtacctg aggccctaaa

41281 aagccagaga cctcactccc ggggagccag catgtccact gcggtcctgg aaaacccagg

41341 cttgggcagg aaactctctg actttggaca ggtgagccac ggcagcctga gctgctcagt

41401 taggggaatt tgggcctcca gagaaagaga tccgaagact gctggtgctt cctggtttca

41461 taagctcagt aagaagtctg aattcgttgg aagctgatga gaatatccag gaagtcaaca

41521 gacaaatgtc ctcaacaatt gtttctaagt aggagaacat ctgtcctcgg tggctttcac

41581 aggaatgaat gaccattgct ttagggggtt ggggatctgg cctccagaac tgccaccaat

41641 tagctgtgtg tctttggaca agttactgtc cctctctgtt gtctgtttac tcttctgtac

41701 actgaagggg ctggtcccta atgatctggg atgggatgtg gaatccttct agatttcttt

41761 tgtaatattt ataaagtgct ctcagcaagg tatcaaaatg gcaaaattgt gagtaactat

41821 cctcctttca ttttgggaag aagatgaggc atgaagagaa ttcagacaga aacttactca

41881 gaccagggga ggcagaaact aagcagagag gaaaatgacc aagagttagc cctgggcatg

41941 gaatgtgaaa gaaccctaaa cgtgacttgg aaataatgcc caaggtatat tccattctcc

42001 gggatttgtt ggcattttct tgaggtgaag aattgcagaa tacattcttt aatgtgacct

42061 acatatttac ccatgggagg aagtctgctc ctggactctt gagattcagt cataaagccc

42121 aggccaggga aataatgtaa gtctgcaggc ccctgtcatc agtaggatta gggagaagag

42181 ttctcagtag aaaacaggga ggctggagag aaaagaatgg ttaatgttaa cgttaatata

42241 actagaaaga ctgcagaact taggactgat ttttatttga atccttaaaa aaaaaaattt

42301 cttatgaaaa tagtacatgg ctcttaggag acagaactta ttgtacagag gaacagcgtg

42361 agagtcagag tgatcccaga acaggtcctg gctccatcct gcacatagtt ttggtgctgc

42421 tggcaatacg gtccccacaa ctgtgggaag gggttagggg cagggatctc atcaggaaag

42481 cataggggtt taaagttctt tatagagcac ttagaagatt gagaatccac aaattatatt

42541 aataacaaac aaagtagtgt cgtgttatat agtaaatgtg aatttgcaga cacatttagg

42601 gaaaagttat aattaaaaaa ataggctgta tatatatcaa tggttccaaa attttctatg

42661 gttaagaatc acctgggatg gttttgaaat ggcagattct aagacaactt gattcaacag

42721 gtttaggtaa agcccaggga actgcattat aagaaggaat cacctgtaat tttggagtca

42781 agatccaagg aacactcatt gagaaacact gatttacaaa gtgcatggag agaaatggag

42841 caagtgaagg gggatcagca tggtgaaata taggctgtta ggagtgctat tgactaactg

42901 tctggtgact ggaccagagt aaatctttta ctttgcaaga aacaggacta aattcccata

42961 ttatgtccat agcaaaggga attatgtaga aaaattgata attaggagcc tgagttcttg

43021 accagcctcc actacctatg tggcctcagg tgagttattt tctccctttg gctctaagtt

43081 ttccccatct gtaatgtaag ggagtttaac tagatgagca ctaaggacaa atcaatttct

43141 gtgagtcaat tattatgaaa taccatgtgg gcatcaaatg ccaagtggaa agcatagata

43201 aagaagtgat tgtgcacctg ggctgagggg aacaaacatt tcctaagaga attgagaccc

43261 aaaagagcct ttaaggaagg tgagatcttg gaaagggaaa tttggtgaat actctaatga

43321 ggagctaaaa aggcaagaaa gaaagcagct tggctggaaa ggaggttcct gtaggtgggc

43381 ctccagagat tcggtaccac agaaactgcc aaacatcagc aagaagccat ggggatggag

43441 cgtttgaggg attctaaata gaaggacaag agtaaaaatg tcaggctgga tcgatgcagg

43501 ccactaagaa atggattcag gtgatggcag tgggaagaaa ggacctgatg cccagaggca

43561 tttctggaga agatgagatc agacttgtga ttggctgaac acacactgta gtggggtggg

43621 gtttaggggg tgactcaact tcaagcccag gtacattcaa gtctgaattg ccctagtcaa

43681 aagtggcatc tgtggatgtg tatcagaaat atcttacttt tcttggaagc caacaggaga

43741 aaagagtgct accaagtgaa ctagagacag gaatatcttt tgtcatttca aggaaactgg

43801 aaagaagaag gctcagtatt ctttagtagg aagaagactt aagtcagaga ctcatctgta

43861 cctctctggc agggtttaaa agggggaaga ggaatagagg ctgcaagaga ttgtgattca

43921 tggacagtat gcagagatca aatgacctgg gttcagatcc tggctccact gctaactgtg

43981 taactatagg caagttcctt aacctctcta agccttaatc ttgtcatcaa taaaaggggg

44041 cacttggtgc ctaataaaac ctacctctta ggttgttgcc aaattacatg agataatcca

44101 aatcaagtgc ttattataat acccagaaat tataggctct aaataaatgt ttatataggc

44161 tctaaataaa tgaagttttt tagaaagata acatcatgat caaaatggga tatttaacag

44221 tttagtcttc catttcattt gaagctccct aaaatcactc ttgctgataa atttgttttt

44281 tccttcacac ctcagtttca tgggatgttt tggcaaaaat ctgaattttc tgaattgaaa

44341 gaattttttg ctaagggtca tcagtattca tgcagggctt gttattctga gtcactaaga

44401 gtttcctaac acagccttct ctcattgaga tgatgtaaca tctattccat taatttcatt

44461 aacttgctta caagagagta attgttctgc aaattttttt cttcccagtt ttaggtacct

44521 gctgcttatt gtggacacac atagaatttt atgtattatt tttcgactta ggctaatgat

44581 ttagcaaact ctggaatgtc agccctaacc ccaaccttgg ttttctgtca catgcatgta

44641 gtaagtgcta gatcctggac attctttgag atttagttta agactaagtt tattttctga

44701 taggttattt gtgtactttc atggattttg taactctttt tcaacaattg gatgtctcag

44761 atctcagcat atgggagcaa gttaatgctt cctgagatct ttgccaaagg tcaagaggtc

44821 atttttgtgt atttataatt ttccatcatt tttatatact tctcaatatt ctttttaaac

44881 tattcttttc cttttttcat cctctgaata ctgttttgac agatcttgtt attagcatgc

44941 tttcacggat gagaaaacta agaaagctga atgatttgcc caaagtagtc cacctggaaa

45001 atgaaagaga gaggattcca atccaggtct tacgattcaa aagcctgtgc atgttccatt

45061 tttagtactt tccacactgt atttctcaat gtctttctgg gacattttat aaatcatatt

45121 atatcacctc taaggatctt tcagtttgtt atatatgtgt ctattaagtt agattgtgag

45181 ctcctaaaag ataaagcatt gtcttattca tctttaaatt tctcagagcc caaatagtgc

45241 ctggaaccta gtagttgctc aataaaaggt attgaattta caggattgaa tggtgacatc

45301 aatgaataat tgaagattcc ttaagctgat aactgaccca gtagcatcat tgatcattta

45361 attgccctgg acttacttat tttccaccac actacatatt tctgtataga atatatatag

45421 ctcattgtat tgcaagattt aactagaaga aagagttcat gcttgctttg tccatggagg

45481 tttaacagga atgaattgct aaactgtgga aaatgtttta aacaaatgca tcttatcctg

45541 taggaaacaa gctatattga agacaactgc aatcaaaatg gtgccatatc actgatcttc

45601 tcactcaaag aagaagttgg tgcattggcc aaagtattgc gcttatttga ggtcagtgct

45661 acaatcatgt ttgtcttgga taatgtcgta gcaaacttcc atgttctttt ctagttagat

45721 gcaatgaaaa gaacacagga tctggaacag gcagatttga atttgagctc aagtttttac

45781 attaaccaac tgtgtgacct tagttaagtc attcaatctc tctgagcttc agtttttcca

45841 ttcataatat agtgctgata atatgtgcct tgtcagtttc aacaggaact ttgtgatgaa

45901 ataatgtgtt ttgtaaaatg cctaatcata tgtgtgatta ggcatgatta actataagtc

45961 atatgtgaca cgtgattaca tttcacataa catgtaatca catgtgtcac atgtgattac

46021 agttaaagag taaacaagaa ataaatatta attcttttat tcactaaatt aatattgatt

46081 gtcttctatg tataagtgta aaataatatg caagacaccg tccctttctt caagtagctt

46141 aacccaaaac tatgctttag aaaatagcta atgttcttca agacattggt aaatgtctta

46201 tgattaaagt ggttccataa ttaataaact tgggaaattc gggcatatta ttttacctga

46261 tttctttatt ataggacttt tagagtctat aaaactaatt atactaagtt gtttacagag

46321 agaaatgtat gtattatttt ccaaacttac ttgactgtgg atccttttta ttttaagaac

46381 atgtattcac atctgggaac agagtttagg aaacgttgat ttgggtgttt gctgggcagc

46441 caaacttcac agaactccaa ataggtttcc tcagccagat tccttccgag tactatgcta

46501 atatttttgg tgggattttg tcccacctga aaatacattg ctttatgcta agattcctgt

46561 gacctctcta gctgattggg aggcaggggt agcacattgg tcagggctgt gcacatactt

46621 agtgctcagt gtgtttgggc atgcaatcaa caaatccttt tggggcatga ctggatacga

46681 ttagatatct tgtgaaaacc tatgatgttc tcagcactgt gggtggggag gaagatgggg

46741 gacacataga aattgtaagg aagagaaact gcctccttta ggatctaaca ggggaagcaa

46801 atattctgag cagctgggga gggaaggcag agcatgagaa gttatctcag taaaaggtag

46861 ctttatagac atgatcttat tcagtctaat gaaaataaca tgaggtagga gctatttctg

46921 cccccatttt tcagagatag aaactgatgc ttagaggggt taggtaaatg tgcccaaggt

46981 caaacagcta gtaaatacgg aagaaatcat ttaaacccag gcattctgag tctagaacct

47041 acatacactc ttaactgcta ttcagtactg ccccagacag aacgggcttc atagtttgca

47101 gggcgcagtg caaaatgaaa acgtggggtc tcttcctcaa taacaggaaa taatgctgtt

47161 aaaagtacta aaatatataa ctttatcctt tcttctgtgg tctctctcat gtcctgttat

47221 ggtgtttttg atttgccatt tagttgtgct ctcctcccct gggcaccttg gccctctaac

47281 tgctgggttc cctgtccagc cagggctggg ctgacagcca agcccctacc aaggatgggg

47341 aaatccatct tccatttccg tggacctgct gcaccaaccc acagtgatga gctatccccc

47401 aagagattgt aacctctgga atgagaatgg aaaggaagct tgcctgaagc caaatcaccc

47461 accaaatccc ctgccagatc tcccagggtt ggcggagagt ggcagcagaa tataaacttc

47521 cccccaaagc ccatgcctcc tggtcatgac tctgggcaaa gggcagtagt ggtggtgagg

47581 taagaccagg gaggggaagg ctgcgtgggt ccagagggcc aacgtgcttg aaagcaaccc

47641 cttagaacca tggctgagaa ggtaaggaga gggcaaatgg tgtgattaca catgagctga

47701 gtctccaaat acccagcatg tgcttcattg tcccactgga ctttgcttat gaaacacaaa

47761 ttcaaaagtc gttattaaga atttcaactc acgcctgtaa tcccagcact ttgggaggct

47821 gaggctgacg gatcacaagg tcaggagatc gagaccatcc tggctaacat ggtgaaaccc

47881 cgtctgtact aaaaatacaa aaaattagcc cggcgtggtg gtgggtgcct gtagtcccac

47941 ctatttggga ggccaaggca ggagaatggc gtgaaccctg gaggcggagc ttgcagtgag

48001 cccggatcgt gccactgcac tctagcctgg gtgacagagc aagactccct ccccaaaaaa

48061 aaaaaaaaag gaatttcaag gaggttgcaa agaacatgaa accccaagtg tgattcctgt

48121 ggtatgacag tggttgcata tcccagaagc tggccctgac ctcagacctc ttttatcaag

48181 ctttccctga attaattaca atcttctcag tgttcccaaa gcacttctta cttttaactg

48241 cagcacttcc ttgcgtgctc agcatataca ttatgtctag ccctgaggat ggtttcttca

48301 agaagagaac cttgtctcag tcatgtttat atcctcaaca gaacctgagt tttatatatg

48361 ttgtgttcaa ttaagaatga aattcaatct aaagaaaatt ttttacctta ataaatattt

48421 ttaagttaaa aaaatatttt aaaagtatct tttcactttt tgagccaatt aattttgttt

48481 tttgagacag agtcttactc tgtcacacag gctggagtgt agtggtgcga tctcagctca

48541 ctgcaacctc cgcctcccag gttcaggcga ttctcatgcc tcagcctccc cagtagctgg

48601 gactacaggc acatgccacc atgcccagct aatttttata attttagtag agacagggtt

48661 tcaccatgtt gcccaagctg atctggaact cctggactca agtcatctgc ctgccttggc

48721 ctcccaaagt gctgggatta caggcgtgag ctaccagcca gggccaatta atttttaccc

48781 tgagttttta aatataatta aatcttgtga tcaaatatat gaataagtag agaaaagata

48841 gatctcctat ttagagttcc aaataattta agtagtgggt ttttatagtg actttttttc

48901 caaaaagtac cacatggaag ggggagaaga gtttctttac agtggagaaa tatgacaaag

48961 acacctcagc catgtgacca aaatcaacat tattcaaaaa gaaactgaat attaaaacaa

49021 acctttcctt aatagtaaaa aaaaattaaa attaaaatta acatcatcag tgatgtcatg

49081 ttgatggtat gcattcttgg taggatgaaa atggcacatt acccctgtgg tcttcctcca

49141 cacaatccat aacctccatc taaccatgag agaaaaaatc aaatgaatcc taattgagga

49201 acattatcca aaatacatga ccattactcc tgaaaactct cagggtcatc aaaaacaagt

49261 actgtctgag cgactgtcac agccgagagg agcttaaaga ggcatgaaga ctagggccag

49321 gcacggtggc tcacgtctgt aatcccagca ctttgagagg ctgaggcggg agtatcacct

49381 gaggtcagga gtttaagacc agcctggcca acatggtgaa acccggtctt tactaaaaac

49441 acaaaaaaat tagctgggca tggtggcagc tacttgggag gctgaggcag gagaattgct

49501 tgaaccaggg agacagaggt tgcagaaagc tgagatcacg ccattgcact ccagcctgag

49561 cagcgagagt gaaactctgt ctcaaaaaaa aaaaaaaaaa aaaagagaca tgaggactaa

49621 atgtaacgtg gtattttgaa tgggatccta gaacagacaa aggactttag atataaacta

49681 aagaaatttg aataaagtat ggtctttcgt ttataacgtg catcaatatt ggttcattaa

49741 ttgtaaccta tgttccacat taatgtaaga tgttcatatg ttcataatgg gggacactga

49801 gtccaggtta tgtggaaact ctgtgctatc atttctattt tttcataaat caaaattatt

49861 ctttaaaaac tgccttaaaa aattaaacct gggggaggag aatgtatgtc tgagtgagag

49921 caagcgagca atgggtgtag agaagagaga cagcattttc tgagcaacaa actgtccatg

49981 agaaagaata tatctgtaaa atgcacctat gtaacttttt agcttttata ttagataatc

50041 agcattttct ccttgagagg ttgcccctta ggcctaagtc agagttaata gattaaataa

50101 tagtaaatga acagaatgtt ttcaacctaa taaataaacg acaagtaact aaattaccag

50161 aattggatgg aatgcactca agacatgtgt gtttgtgtgt gtgtgtgtgt gtgtgtgtgt

50221 cggggctgca gggggtggta gggagggggg cgcatgcatg tatgtgaact ctgggtgaac

50281 tctctgaagc attatccaga atctcaactg cacaggtcag taagtgatgt tattacaccc

50341 attttacaga agaggaaaca gaggtcactg tattgggtga ttgaagaagg gttgttagtg

50401 agtattgatt tttttttttc caaacatact tcagaagttg ctgtataaat tgtataggcc

50461 agtatacttc tcgccttagt aacagcctgg caaaatgtta aaatcactca aagtgctgag

50521 ttaaggctgg gcatggtggc tcacacctgt agtcccagca ctttggaagg ccaaggcggg

50581 cagatcactt gaggccagga gttcaaacca gcctggccaa aatggcgaat ccccatcact

50641 actaaaaata caaaaattat ctgggcgtga tggcgcatac ttgtaatccc agctactaag

50701 gtggctgagg catgagaatt gcttgaaccc aggaggcaga gtttgaagtt agctaagatc

50761 accccactgc actccagcct gggcaacaga gtgagactct gtccgccccc tccctcccca

50821 caaaaaaaaa aagaaaagaa aagaaggaaa aagatgctac gttaagagag agaatcaaat

50881 tctagtattt gtggaaccgc attatgcaat gagctgggca catatgactc ttcatttaat

50941 ccgcattaaa ctaagtgaag gtggtactct cactttatgg atgagggaac tgaggttcag

51001 agcggttgag taatttgctc aagatcacac agctaatgtg cagtggaaat ggcattgaac

51061 tctgaatctc agattccgaa gcccatgatc tttctattac accccacacc tctgccaaat

51121 acagctatcc ctgaacatct gaatcactct ggagtttttt aaaaaatgca aatatcctgg

51181 tcccagtctc tcattcttgg ggtgaggggg caaaagtacc tgtctctggg tattttttct

51241 ttcatattga aaaatgcatt taaatgcaag acaattaact actaatattc cttccatcta

51301 ttatcaaccg ctgttaacat ttggacatat cactttcatt ttttcctgtg tcattgcagt

51361 ttcaaatatt acaaattaac atatcatttc ttaagaaaaa aattagaaga taaagctaca

51421 gtcttttctc atctctcctc tatcctgatc attctaattc tacaaacttt ctagccaaga

51481 cagcatcatt atgagtttag catatttcct tccagtcctt tggaaaagta tgttgatatt

51541 gacaagtgtc atgctatgca cattggtctg cagcctcttt cagtaagcac aatggagtgg

51601 ccaagaggat ggactccatg gatgcagggc tgtggcttag agagggtgac ttgacttctc

51661 tgtgcctcag ttcctcatct gtaaaatgga aatagtaatc gtatctgctt catagggtag

51721 ttctaaagat taaatcactt aatgcatgtg atctaaagat taaatcactt aatgcatgtg

51781 atctaaagat taaatcactt aatgtgccct cagaatattt attaactgtt aagtaagaat

51841 tactatatat atattttgtg aatgcaacat ttaaaaaatg tatacatgct gatacatata

51901 gatcaggttc ataactttta acctctgaag tatagttctt aatatctgtg tatcatattt

51961 tatttatcat ccctctattt ttggcatcca tggtgttttc tagtttctat agtcacagac

52021 aattctgcag tattttgttc aatttttttg gtaagtaata tgcaaaaatt tctttagggt

52081 agatacctag aagtggaatc tggtcgtagg atatggacat ttttagtttt aatcagaact

52141 acaaagtttt tctccaaatg tcctgtaaga atttatactc ccactggttc aacatgagaa

52201 tactcatttc tctatacatt taagaatata tgcttattat tgcctttaat cttgaacaat

52261 ataatgagtg aaatatggta atttgttgat ttaatgttca tttttctgac tattagtgag

52321 atgtaggtca tatttcataa catttataat ttgtcttttt gtaaattgtg atttgtctac

52381 acattgtatt ttttgtggca aatgtgcctt tttcttaccg attttttgac attttatata

52441 ctctgaatac tgttatgtgt gttacaaaga ttttctccca gtctttctca ttttacttgg

52501 gtttatggta taatttgtca tactgaaatt taaaattctg atataatcaa tactttcagt

52561 cattttttca tgtgttttgg atttttgttt attcttgaat tttttttttt ttttttaaat

52621 tccactggtg actctgatgc caagtcggga atgagaacca ttgttctaag ctattgcccg

52681 ggaaggggtt cttgctgtgc atgagagact gtgttatcac ttcacatgaa ttaagtcata

52741 tttaatactc atcacagtgc tgtggggagt cagcgatgcc atactgatct tagagaggag

52801 gaaactaaac ctcagagact cagtagcttg tctaaggtag acaaggtggt aggacttcag

52861 aaattgacct aggtctatta tgctaaaacc tccggcctta tatttttttt aatcagagaa

52921 aaaccaattg ttatgagaaa gcagaatgac acagcagtta ttttgcatct ctttttgttg

52981 taaagagaac gatctttaaa ctgggaatgt tgaaacaaaa tattgagagc caagagaagc

53041 ttggctggta gatcttggta ccctgtcctt ggactagtga cttcacccca tcacctatct

53101 gttacttaca agggggtgaa tcagggagct atttggggcc aaggttttat gagaaatcaa

53161 gagatcacta tttgcccgta gaagaattca tatctttggt tccaaacatt atagtagccc

53221 catgttatga cataaagagt aggaggaata taggcttgat attgggcatc taaatcccag

53281 atctaccagt gattgactta ctggtcttgc tatgcctggt gtgactctga ggccacagaa

53341 gatgctcaca caatttttat tcctttaccc ctttcacgtg ttttatttta ccccatcagg

53401 aatctttgag aaagcgtgaa gatgagaaag atgttggaag actagggaga gtagaaagct

53461 tttattttaa agtgttgttt tttgttttaa tgaaaatcta gaatgaatga cttgtattgt

53521 ttgtgaatac ttacagaaaa atggcaatga gcaataagag ctggggttga gccattcgcc

53581 agaagaaaag tagcttggta gagcaggggg actgtggtgt gcatagtcta ctcgggtgtt

53641 tacatctctc ccaacatctt tgtgaatgaa atggagaagc aagccataga tgaaaatacg

53701 gatgagacct ttaagctgtg cagtttacaa cacatttctg gaccctataa aatgaaatta

53761 aaggaaataa gtggcaaaac aaatgaaata atctagacta tactttagag cagtgtttcc

53821 caaataatat tctgtcaaaa tctgtatgat agtaggtatt ttatcagaaa agaattccaa

53881 gggtcattat atctgaaaaa ttccacatct aggttttaga gagccatagt gcacatgaac

53941 ttattaaaga ctctgagaag ttctgtaggg aggaaacctg ttcaatgtaa tctcactcag

54001 catttcctat atgtatttac catgggaccc tgtttaggga agatctctta atatcttcca

54061 ggcactagtg ttccactaaa ctcatgctgt tttagagtta tgaactccaa actatcagtg

54121 ataacctagg tttggggtcc tgagggatgg aatggcattg gggttaagga tataccatct

54181 agagtcaaac cgtttggatt cagaacccag ttgcacaacc tgtgagcttg aagacctcaa

54241 gaaaagtatt taacttctta gtggctaggt ttcctcattc taaaaattaa gataagaagt

54301 agaagttcta gtgaattggg gccaaatgat taggagtata ccaaaaccct tacctgctaa

54361 cctacaacat cccactgacc tcagtagatt gttccaactt tcaattattt atgcattggt

54421 ttaaacattt tctgtagtgc tctatatttt tagcctctac tagctcatgt ccatgccttt

54481 taggaaaata ctctcctgag agtctttact gtaagtggct tagtaatggg ctacaaaatg

54541 agaagcaggc tcctggggga agtacactgt tcaccttacc acatattctc tagggaaggg

54601 aacaagcaaa caagcagatg tacagagctc tgagctccaa ggtcatctct gacgtatgtg

54661 ggtaggttca aagacagcat cattcaattg atgaagacac agaggctcag actaaacaag

54721 cttccaggag ctagacactt agagacaaaa actgcttcag aatttacctt ccatttttac

54781 agtagacaga ccttttggaa gcaaatggga aaggcacagt atctattagt catacccact

54841 tttttgtgcc ctactcctgc ctaggggatc cactcctccc cctcatcaga tattcaatga

54901 tctcatcaga tacccagtga tcatgacctc atcagatatt cagagatcaa tgacctcatc

54961 agatattcaa tgatcacaga ggttgtggcc tattgatagc atatgagttg tgattattgc

55021 tccatacata aggttgtttt tttttgtttg ttttttgtgt gtgtgtgtgt tttttttttt

55081 tgagacagaa tctcactcta tcccccaggc tacagtgcat tggtacgatc tcagcccacc

55141 tcaacctcca cctccctggt tcaagagact ctcttgcctc agcttcctga gtagctggga

55201 ttacaggcac ctgccactat gcctggctaa tttttgtatt tttagttgag acggggtttc

55261 actatgttgg ccaggctgtt ctcgaactcc tgacctcagg tgatccacct gccttggcct

55321 cccagggtgc tgggattaca ggcgtgagcc accgtgccca gcccacaggg tctttttgac

55381 ctagaatatt ttaccaattt ggtggtatag gaaaagaaac acaaagaaaa gacagttctt

55441 ttctctaaag gcgtgagctg agccagatta agctgcaacc ctggctttct cctgcaagga

55501 gtctcccctg agttaggcag ccccagccac ctggaaggga gggtggggga agaaataatc

55561 tcatgaagtg ggaggtgact gaaagaaaaa atgtccaaag aatcacacag gagacatgcc

55621 aagaggaagc aagagtgaga tcccaaaaga tggtctttgg ggtgagaatc ccatggaagg

55681 tccagcttga acctctccaa gatctcctcc tccagactag agtgggggat aatcttgagc

55741 tccctgtaga atttaattgt gctgctcata ctttcttgaa tatttctggt ttcctgtaaa

55801 tgccagtggg tttaatttcc atattgttgg tcaactgggg cattgctggc cctcccagaa

55861 gaggaaatca gtgaaacatg taagaagttc catcagtatc tccttgcgac ttctccaacc

55921 tttgcaacta ccgtatctca ccccaaatac tgttgttgcc ccagacagtt cctgtcttgt

55981 cccactacag tctagtctta aaacagctgc cagaatgtgt cttttaaaac atgaatcaaa

56041 tgatacctct cttctgccta attacctctc atagcttctt atatcactca gagtgaaaac

56101 caaacaaagt tcaggtaatg gccaaaatgg ccttccatga tctattcctg gtaacttctc

56161 tgcctggtgt cttcacaccc ccgcttcctg ctcactctgc cccagtcaca ccggtctcct

56221 tgttggtctg ccctcacatt gtgcattctc ttactccagg acccttgcac tggctgttcc

56281 ctcacgtttt tctccctcac tgatttcagg ttcatgctta aaggttacct gtttattttt

56341 ttatgacttc gtggctgcat tgtttaaaaa tagcaccccc atgcacaatg gtgtagccag

56401 tccctctttc ctgcttcatc tttctccatg gtgctgacca ccatctgaag actgtatatt

56461 ttacttattt accataacta ctgtttgtct cctcctttga gaacataaag ctccacaagg

56521 gcagagattt ttttttctgc ttttcccact gttacactcc agcacctaga acagtggtta

56581 acacaaaaat ggtgcttaac tgagtgaatt attgaatggt cctgtctatt tacctaagac

56641 cagtgattta gggcattttt tgtaaatgtc tttgatgttg tccccagcaa cctctgaaat

56701 aggccaggac ataacttcac ttaagtttac tccaagataa cagcacatag tggtccaaga

56761 agttctccct tgccagtcta ttctcatctc aaaagatgcc taggctttcc ttctttttga

56821 agtgtgctct caaaaaaaaa attaaaaaaa agagctgaga aaaatttagg gtaaaacaaa

56881 tattgaagga taaaatgaca cataaaatgt gatgtgctcc atctttcaga gaaatgggta

56941 tctataccaa gttgaggagg cagagtataa ggagtaccta ctgaatatat attaatgaag

57001 acaaaaatta ttaggtgcag acaaaaattg ttgggtgctt ttgctttttt aaactctcat

57061 taagctgcca ggtaaaatta tctttatttt aaacacagaa taccaacttc agaatggcca

57121 attaatatat ccaaaggtag tgagtagcag aaccagaatt tgaacccaga tagcccacat

57181 acttgcaaga taccattatc tcttgtcagt gaataagata gaggaggagg aggagacggg

57241 gcgcccagta tgcagtcaaa agaagatcca gaaagacaag ccaacttttc accattatga

57301 actctgtttc tatagtttta tttacttgtg accaatcccc ctttagaaag gctttcttaa

57361 aggataggag aagaaagtgg tttctggtga atccttagaa aaattggtga ttcatttcac

57421 cttgcctata tcttctgttt gaatcctgat tagcaaggtt ttatgctgcc atcttttatg

57481 cataaattaa atattagaca aatcgtgaaa ttgtttttga aaagttcaag cctttattgc

57541 cttccccgag atgcccactt ggagtaatat caagagtgct ttctttatcc ctcagcaaag

57601 atgtggtgag cgtatatggg tcaatttgta aacctacaca aacctcttgt tgaaaagtaa

57661 aaattcattt gttaaaagta tgatcctaat caggcttgta aattaacttt tgaggctctc

57721 ttagcaatca aaattattgg tttctaagga tccatactag taaattagaa agacgccaat

57781 aaggaaatta catgccaaac tggagggtta ttttttaaca aattgactca aagggaaaga

57841 aatgatttaa acaattcagc tctatgttca gtgtgtaatt aaccagaaac ttcactcata

57901 taagactttt gccaagtaag tagcagttac ataactccca caccccaccc cccatttgtc

57961 agcccgggca taatttttta aacatttttt aataatccca tacctatatc tattataagt

58021 atttacccca atggttatca ttataaccat ttaacagata aagttaagtt tttattataa

58081 aagtaataaa tgtgtctggg cacagtggct cacgcctgta atcccggcac tttgggaggc

58141 tgaggcaggc ggatcacgaa gtcaggagat caagaccatc ctggttaaca cggtgaaacc

58201 tcatctctac taaaaataca gaaaattagc caggcgtggt gacaggtgcc agtagtccca

58261 gctactcatg aggctgaggc aggagaatgg catgaacctg ggaggcggag cttgcagtga

58321 gccgagatca cgccactgca ctccagcctg ggcgacagag caagactcca tctcaaaaaa

58381 aaaaaaaaaa aagcaataaa tgtttctagg aaacttgaac tatgatttta aaaaaagaga

58441 aagaaggaaa caaaatcatc cctaagccct tcatctagag accgccactg cactcatgtc

58501 ttgaagtgct tactgacacg ttttttaata catgttgttg tttttgttac tcactttttt

58561 tttttttttt tttttttttt tttgagacgg agtctcgctc tgtcgcccag gctggagtgc

58621 agtggcggga tctcggctca ctgcaagctc cgcctcccgg gttcacgcca ttctcctgcc

58681 tcagcctccc aagtagctgg gactacaggc gcccgccact acgcccggct aattttttgt

58741 atttttagta gagacggggt ttcaccgttt tagctgggat ggtctcgatc tcctgacctc

58801 gtgatccgcc cgcctcggcc tcccaaagtg ctgggattac aggcgtgagc caccgcgccc

58861 ggccgttact cactttttaa tgattgccta atcttccatt gtgtaattat accacagtcc

58921 acttcatcat tcctctatta tgggagttta gttagcttag aagttttggt gaaatgctat

58981 gtgaattttc ccataagtta aatctctagc actagaaaaa ctgagtcata aaacataaat

59041 tgttttattg ttatcctcaa agctgtggaa gtggatgctt ccaggggtgg ggtatgagtg

59101 atgagcactg tatcctatgg tctgcttccc agaacttctt ctttgctccc ctcccttcca

59161 aaactctccc acaaataagc gtgccagagg tgtgtccatt ctcggttctt ggatttgctg

59221 tgctctcagc tctacataag gcagggattg gttatgtctc cttttgaagt ttcatcttag

59281 gtaaatagta ggtggaacct acccattctc tttattcctg agccaagaag gatgacattg

59341 ctctttgctt tgtttaacaa gtaatctctg tttgccagag aaagcttcag atctatctat

59401 atctctctgg cattacctcc tcactattct ctctctccct agtggggtcc cctctgtggg

59461 tttccctagc cacagccctc aggggtgtgt tgtctgcagt tggagccata aataatggct

59521 gcaccgtgag cctgtttgag gttacttatt atatttacta cacccagagg ttttaattat

59581 ttgtgtttga cataatggta gtaataataa tcaaagttga tatttgtgga gtgctcactg

59641 tatgtatgcc tggcaggaaa ggcagtgtgg ttaaaaaact aatgactgaa attagaaaaa

59701 aaatgggcct cgctctctag ctacttgcgg ccaagcacct tcatctctga ttttattttt

59761 ttatgtctcc cttaaccttt tcaaaggatt gttgggatgg tcacagaaaa gaattctata

59821 ctataaagtg ttacttaagt atgaaaaggc atcactacag ttcttttgaa ccttataccg

59881 ttaatgatca aggcaaaaga tacacctctt caactacaag ttcagtgaat tttaattttt

59941 tgaaatttta gagttattta gttatatttt cagatacttt ctgtccattt aaatattgga

60001 ataaccccta ttatgtgttt gtttgtttta ataaagtgta tatgatactc cttggttttc

60061 tccaaaataa atagcattac taaggaaatc acatactttc tgactaagta gcagatgatt

60121 tgctgggcat ttatgttaga ggaccaacta aaataaatga ctttgttttt gtaataacca

60181 taagagctaa aatatcccat ctaaagacac tgaaattgag aagctgtagt aaataatcat

60241 tattttcaca tttttatggc atttaatgaa agcagcttcc cagctctttg cacgaatgtg

60301 ggagtgggat gcttccatgc ttagcaagtg cttccagcag gaaaacactg actgatgact

60361 gcaggttgaa atctttgtgt tgggggttca gtgtatttta gtagactttg ccaagtgttg

60421 ctgctgacca acattcattt tttagttcat ttctgcttca gaaccagtgt aaagagtcca

60481 ggttttacaa gaaaactgtg gcataattac agatgagctc cagtccccca cagcccattc

60541 ttggaaaggg acaagagagt tgtaaataaa actcttgagt catccagcct aatatttttt

60601 agaggatgca tttggacaaa ttatacaacc caccttgtgc ttcttattta tgtctggtga

60661 ttttgcacct agcactcagc agatgccata gtaatccaga ggagtccaag gaatttggtt

60721 ctacaattag ggacatttga gacatcaagc aaactctgat actcaggcag ttattgcctt

60781 tgagaaagaa gttattgcct tttttctgat aatgcatcac agctacattc cttaaaaact

60841 ctaagactat ttatacttgt gatgttccaa cattttttga gagcatttta aaaattgttt

60901 tttcactgag gtgtttaaga atagccaaga ataaatgtca gtttgaatta tatatatata

60961 tatatatata tatatacaca cacacacaca tatatatgag agttaatatg aaaatataaa

61021 aaattattac aaatcagtaa aaaatctcta taataagaaa atggtataaa ctgataattc

61081 ataaaagaaa tgcaaatggc cactaaacct aggaaaaatg tttagtgtca tcagcagtta

61141 aataaaaaat tgaacaatga gttatttgct gttttcatct gtcaagtcaa gaatattgaa

61201 aatccttaaa ggtggtacag gtgagaaaca tggatcctct agtgggaaga tagaagagat

61261 gagtatagac tttctggaag gcaatgggac aatatataga gaatctttaa agggtagttt

61321 ctgattaaac aatttgaccc ctaggcattt attctgagaa atcagttaga caagtaggca

61381 aaactttatg tatattgctg accgttattt ctagtggcag aaaaacaaga agcaacatac

61441 ccatcactag ggtattggtt aaagaattta tgaccacatc tgtgctgcgg atcatcaggc

61501 agccactaaa aatggtctga tgagggtacg aatggctaat gtaaaagcag gaaatatctt

61561 attcatcctt gcattgtcca agtacctagc ctggcccatg atatttgatt taaagacgat

61621 attcctcagg gagatatgat gtgctctttt tttcccgttg gattcctgaa attctcttta

61681 tttagccaca tagacaacag agtaatagtc aaatctgagg gtggcatgga atatgatgga

61741 ctttttccat tttcctaccc acaaactctt ctcatatcct tggataattt tgatcctttt

61801 gaggtgatta tagaagacgt cctgaatgta atatcttctt accatttcca ctcccaccaa

61861 catagacata gccaccttca cgtcttgtct gcatttcagc aatggcctct tgacaggact

61921 tgcttggtct atcttatccc ttaaagttta ttctcaacat agaaattaga ctggtccttt

61981 taagcctatg agatcatatt cttcctctgc tcaaaatctt gcaaagatcc ctatttcttt

62041 cagaatcaaa accataattc ttaaaatggc ctgcaatgac cctgtgatta ttctgacact

62101 gtctcctgtt attttcccct tgacctcatc cactctcatc aacccacctt gtggctgtct

62161 cttcaacagg ccaggcatgc tgccaccttc cggccttcac ctctctcaac tcctttagga

62221 ctgtacataa atcttgccat cccaatgagg ccccatgtgc ctgccctatt tagtcctgca

62281 atctgccctc accctgtctc aggaatgccc atttgcttcc ccctgctctg tgttgcattt

62341 ttgccttagt ctttctcatg ataacatgca caaatgagtt tctgtttgtt gtttgtatcc

62401 cctcaacttg aatgtaagct ttataaagga aagcatcttt attttgttca ctggtggatc

62461 ccaagccgct agaaggatga ttggccactg ttgggtgtta caaatgtata tatttattga

62521 ataccttgaa tggaaagtaa ttttatatac atatatatat atatatatat attttttttt

62581 tttttttgag acagagtctc gctctgtcgc ccaggctgga gtgcagtggc gcgatcttgg

62641 ctcactgcaa cttccacctc cgtggttcaa gcaattcccc tgtctcagcc tcccaagtag

62701 ctgggattgg gattacaggc acacaccacc atgcccagct aattcttttg tgttttcagt

62761 agagacaggg tttcaccatg ttggccagac ttgtctccaa ctcctgacct caggcaatct

62821 gcccacctcg gcccctcaaa gtgctgggat tacaggcgtg agccacagcg ccaggcctat

62881 ataaatatat tagtggtaat tatattagat aatttttact gagcatttac tatgtgccaa

62941 gtggtgcaca tgtatcatat catccaacac tcccaatgaa cttatgaagc aggtataatt

63001 aagaccagca agttacagat ggaaaaactg aggaatggaa acatgaaagt acatcgtctc

63061 acaagcaata aatttagata ttagatataa atcaaataag tctgaccccc tattcaagca

63121 gaacaatgtt gcttctatat tatttattta ttgtaattcc atagaatttc gtttggaaag

63181 tgggggtgtt tcctatgtaa atatttttgg cagccactgt cctaaatatt ttaaccaaat

63241 caaaatctta tagtggcaat tctaggcctt tagcagattt tcatgtgatt aaattgtgac

63301 atgtgaacta actgccccac ctcctgccac ttagtacttg gttttaaaga agaaaaagta

63361 aacaactttt gcaaatttaa ggactttttt atactcttat aaaaataatt gtattcttga

63421 actctccatt ttgttgcgtt aggttttcct gttctggttc tgcatctttg gcctgcgtta

63481 gttccagtga ctgtctcctc accctcccca ttctctcttc taggagaatg atgtaaacct

63541 gacccacatt gaatctagac cttctcgttt aaagaaagat gagtatgaat ttttcaccca

63601 tttggataaa cgtagcctgc ctgctctgac aaacatcatc aagatcttga ggcatgacat

63661 tggtgccact gtccatgagc tttcacgaga taagaagaaa gacacaggta agaattagag

63721 gaattttgca acataagtaa ctccacactg tcttcataaa ataacagcaa tatacatatt

63781 taacagcata tttaaatata tgtatattta atatatattg ctgttatttt gcggaagcaa

63841 aattaatata tatgtattgg aaataatgcc ttggaagact gtttggggga ttaaatgagt

63901 ggacataggt tggggaccta ggcaagtgcc tggtatattt tagacatata gtgaatttta

63961 gttatttttc cccttcctaa agatagctat ttcttttttc tttttttttt ttactttata

64021 agcttttaat ttttatttat ttttattttt ctctctcttt tttcttttga cttttatttt

64081 aaattcaggg ttatatgtac aggtttgtta cacgggtaaa ttgtgtgtca tgggaatttg

64141 gtatacagat aattttgtca cccaggtaat cagcataata cccaataagt agtatctaat

64201 tttcaacaaa acccatgaaa gcaagcaatg aagaaaggaa ttcctagtca ataaatactg

64261 ctgggataac tcgaaagcca tatgcagaaa attgaaactg gaccactgcc ttttaccata

64321 tacaaaaatc aactcaagat gattgaatgg atttttgaat ctctccactc caaccaaagg

64381 gatctcttca agtccttttt gtaacatgcc aattccagag ctggagacac ctggctcctt

64441 gttactaggg ctttcattgt cattttccat cttcttatct gtctcttctt ctcatacaat

64501 ctccttgtgg gcaggtagac tctcttacct atatttatat cctcagagtt tagcacactg

64561 cttggtacac aggtgctctg cacatatttc tgagtgaatg actaatatag gagttgtcaa

64621 aacttgcatt gtcccattat ttacgtactg aaatgctact catcctccgg ggaggaaaag

64681 ggtggtagag tatagaaatt ataagtgtgg gcttgaagtt gaatagactg tggttcaagt

64741 cctacttctt ccacatattg agtttgatac cctgacaaat tgctttaact gccctgacct

64801 caatttttca tagggctttt gtgaggatta aatgaagtca tacataaaca gtgcttagaa

64861 cagtgcctgg tgcactgtag ggctggacaa atgatagcat gtggttgtta ttatgattat

64921 gattagcctg aaagcaatac agaggaagaa ggtgactgct ttttagggcc tcaagcatat

64981 tcaaatgaac cattttttaa tagacttttt attttatttt ttatttttat ttttattttt

65041 ttagacagaa tttcgttctt gttgcccagg ctggagtgca atggtgcgat ctcagctcac

65101 tgcaacctct gcctcctggg ttcaggcaat tctcctgcct caacctcttg agtagctggg

65161 attacaggca tgccccacca cgcctggcta atttttgtat tttccataga gacgggattt

65221 caccatgttt gtcaagctgg tctcaaactc tcgacctcag gtgaaccacc cgcctcagcc

65281 tcccaaagtg ttgggattac aggcatgagc cactgtgcct ggccttaata gactttttaa

65341 aagagcagta ttaggtttac agaaaaactg cacagaaagt acagagagtt cccaggtctt

65401 tcatccctac ctcagtttct tctattaaca tcttgcattt gtgtggtatt tttttttaga

65461 actgatgagc cgatattgat atattatcac taattgaagt ccatagttta tattcgggat

65521 catgctttgt attttacagt tttattggtt ttgacaaatg cgtaatgtca tgtatctacc

65581 atttcaatgt catacagaat agtttcattg ccctaaaaaa tgccctgtgc tccagctatt

65641 cattccttct tctttacaga ctccttccag caaccactgc tctttttgct agctccatag

65701 ttttgctttt tcaagaatgt cacatagttg aaatcataca gtatgtagcc ttttcagact

65761 ggcttcctcc atttagcaat acatatttac aaatcctcca tgtctttctg tgacttgata

65821 gctcatttct ttttgttcct gaataatatt ccatggtcaa gatgtaccac agtttgttta

65881 ttcattcacc tattgaagga catcttggtt gcttccaatt tttgatgatt atgaataaag

65941 ctgtgaataa acatttatgt gcagtttttt tgtgtgaaga taagttttca actgattcaa

66001 gtaaatacct aagaatgtga ttgctgaggt taacttcttt aaaaaattat tttttttcta

66061 ctgtaaaatc gagtttcttt caaaaacact tggaaagact ttgggtcaag aggagttcag

66121 gcaccatagc tgaaagaagc atttgaatag gcagagatgc tttaaaatga gacaagatcc

66181 accccgtaaa acaggccact gaaacatttt ttaaaaggta gctccatggc ctttctagga

66241 gactcatctc tgccttcatt ctcctgtagg tataaccaag gcaaggaaag cccactccag

66301 tgttctggcc ttgtggagag tggacagcca tgcagatggg ctcaggtccc tggagggcag

66361 gcacttggaa ttcctccctg gattagtcct atcctgcctt ctttcctttt cagcctccca

66421 agctgcttcc ccaatgactg ccctcccttg cttttttccg gccacctgct ctcaacagga

66481 gctgcagacc ctttggacaa agggcctgcc agatcctggg gcaattcagc ctctggttgg

66541 agcaggtgga ggctgggcca gctggggcca tgaggaagga aatcaaagca attgacaggc

66601 agacagccag cccctggagg agccagggaa tatatagtaa accagctgga gagccggcag

66661 cctgaactgg aggctcagaa aggaggttct tagtggggac attgaggggg agttaagagt

66721 gcagattcag gaagcacggc gaccacactc ggtgtgactt tgagcaaatc attgaccctt

66781 gcagtctccc actgtatcaa aggggagtca caagagcctc tgccttatag gattggtgaa

66841 atcacacaag tgaagcactg ggaacagagc agagcatgtt taattaagga cttaaagtta

66901 ttctctattc ttaccattat catcattatt attataaaca ctggcatgag cacaagagcg

66961 accaaaatgc agcctgtaca cagctacttt ttcagagtct ggcaactgga aaatgacctg

67021 agaggtcatg cagccctaca gaccccttca tttttcattg tgaaaacaga ggctgtgact

67081 tgccttaagg caaacagtgg gttctggggg gtcatgcgca agggtgtgtt gagagcagct

67141 ctgtgccggg cacagtgcta ggaaagaaag ggtcaatctg cctgttctta aggagctcac

67201 agcctggcaa aggggaagac acacccaggt aagtagaata gagggacagg tgctgtgaca

67261 aagacagggt tggtgtgatt ccgcctgttc tccactcatg tttagctctg aggatccagg

67321 aagtaagaaa gtaaaaaagc taatgttttc ctttttttga gatggagcct cactctgtcg

67381 cccaggctgg agtacagtgg cacaatctct gctcactgca acctccgcct ctcgggttca

67441 agccattctc ctgcctcagc ctccccgagt agctgagatt acaggcacat gacaccacgc

67501 ccggctaatt tttatatttt tagtagagac ggggtttcgc catgttgttc aggctggtct

67561 cacactcctg acctcaggtg atccgcccac ctcggcctcc caaagtgctg agattacaag

67621 tgtgagccac agtgcccggc ctaaaaagtt aatgttttca catagaggca tcatgtaata

67681 aaagttgggt ttattggagc ctggaggaag cacagattca attccctaat ggggcttctc

67741 gctttcttgc tcaaaatgtc aaagttgttg atatttgaag tgggatgaca ttttccctag

67801 ggaagaaaaa ctagctaaga ccaacccttt aaaataacat gtgttttgtg acccttattt

67861 cttcagatga ttggtcaccc aatcccatag tggctgcccc cacctgacct taccatacct

67921 gtaatgagag agctgatgtt gacatgccac gacctggcat ctgccaagaa agactctttg

67981 ggtttctgtg gtagtttccg tgaagtgggg tctgggccaa gaaacaggtt tttcttaagg

68041 ggaacaacca ttcctttgca aagttgccct ttctatagga ctcagtggga gaacagtcag

68101 aggaagaaaa gcattgtagt agatctgaac ctttgattct ttctccggac aaaatgccct

68161 ttttattgtg gggctcagat ctcagaggcg agtctgacag caggttcaag taggagatct

68221 gaacccctca aatcaattaa gctaaactac tttccactct agtttttaaa ccattcaaaa

68281 agccatgtgg gtgatagaaa ataaaagttt ttcagtttct taattgcgaa agttccccac

68341 ccaaaacagc ttaagagaag gttaattaca gcgacatggt aaagaaaccc caaccttctc

68401 aaatgcctcc tggagaagct gatgtgaatt taataggatt ttaatccaga gagtcttttg

68461 aatacttgag gtctattctc ctgctaccct ctttcctgat gacttcaaat ccttcttcaa

68521 cccaacatga aagagcatta atatctttca tcgatcaatc tactaatcct tttacctttc

68581 cctttgagtc gactgcatga cattacattt agtgggggct agaaaattcc tacgtggaga

68641 gagattgcag ccaggagaag cagacagaca caatgtcttg ggtagacaga agttaggaac

68701 atcaccattt gagaaatatg tttgcagtta ttttccaaga gcagataaat atctgttggg

68761 ttttgtttaa tctatggtga ttataagggt cctggtgggg aagaaaagtg agttcaaatt

68821 gccagaacaa ctactggttc tgtggaaagc agaaagacct atctgcctgt ctatctatct

68881 atctatctat ctgtctatct atctatccgt ctatctatcc atcatctatc atctacacct

68941 gtctatctat catctatcta cctatctatc tgtccatcaa tcatctatca tctatctatc

69001 tatctatcta tctatctatc tatctatcta tctatctatg ttgtctggga acacttatga

69061 ttactgtgag aagacaaaag caacatcatt atagtcattc cttccctctt gttgcccctc

69121 cttgccttct tgagtttctt ctgcttcaac attgctgacc tgaagaactg tgctgagtaa

69181 agctgacatt tcagatcaat tggggttgaa gggaggatag gattccttag agggctctga

69241 aaagcccctg ggattgtggg caagataata catgggtgtg catgcataat ttttaggaga

69301 caagattttt caaaggggct atggttccca aagagttaag aatttttaga gagaagccgc

69361 ttagggctgg aagggaatcc atctggttag agtttttccc cactcccacc acctgcactt

69421 ttctttcctc tctcctttcc tctgcttggc ttttctgtct ccaccttccc attgccctct

69481 tctcagttct aaaccttctc ccgtgcattt cactttgtgc attccatgtg tgcctttcac

69541 agctgtagat gtatgtggct ctgtgtctgc aggagaccaa gtatctgcat gtttgcaaaa

69601 acacacagga ttggctgtct ttttcagtct ttacctggat gcttgctgga tgcactgatg

69661 tagcactaag tcctggcagc tggggaggtc actcgtttca gcaaactgcc tcactgagac

69721 aagcagactc cagctgagag gatcagccca ttcaggggga ggtgacacca acccaggagt

69781 gggaagcaga gtcccttcat atccttggta gactgtctgc tccctgcagt cagtcacagg

69841 caactctatt cattggcaaa ggaagatcct gagcaaatgc tatttctgca gcccatctag

69901 tttgccaggt cacagagctt caagctcagg aagattacaa aattataagg aggctctcat

69961 tctaagagga atccctcagt gatatgccac acccagtgtt ttccaaattc tttcgcatta

70021 ggttatctca tttaagcttt gcaacaacca actcaggcag ctaaagcaaa catagtatta

70081 ttcttgtttt caatattaga aaacaagtca gaaaggtata attaaaaggt tgcatggatt

70141 ttccagttca attcctgggc tgtagctgtt cggccaagtt gctttccctc tttaggcctc

70201 aattttctca tctgcaaatg aagaaatcca ggtaccagtg tggttgtgtg gattatatga

70261 tataatttgc ataaagtgcc tagcgtgtag ggcccatgca aaaggttaca agtaaactta

70321 cccttaagtc tctcataagg gtacacaatg aatcttaggg ttgagcaagt ccaaactccc

70381 aaaactcctg aagtttgata aacaaaggca accgtgaaat gccatttggg tcagtccaaa

70441 agattgtgaa aggtagaaaa atttagactg ggaatacatt ttctctgtgt gacaggtgtg

70501 ttctctcaat tgaagaagga agtaaaagga catggaatga ctaactaaat atcactttgc

70561 catcatgctg gattgaggga gtattgtcgt gatgcactaa gggccatgaa tttagagtca

70621 agagccagga tttgggtctc cattttgtac actactagct aggtttgaat tccatctgac

70681 acccttccag atggatgacc gcttctcctt catctgtgaa atggagcaaa gacccactct

70741 cccaattcct gtggctcatg gaggggatta tgtggagtac cctgtgcata agggtgcttg

70801 aaagatcaaa ttggacttgc ttgagttgaa taggcccttg atcttagaca tccttaagtt

70861 tcaataggga gagctctcta tgatctataa ccccagccaa taacaggtca cttgtcacca

70921 ccagctccgt ggacatagac acttagcagg ccaataataa tatataaaga gttggtggca

70981 gccaccacct cattgaagcc aggcttacct agcagccacg gagacaactt catgtgtggg

71041 attgtatgag ggtccctgtg aatgatctct catttccaaa tattttttgt gcttaacatc

71101 atccacttga ctttgtgcta gattgcacat ggcactggca tatgagatag aaggtcagct

71161 tttcatgcag cttttctttc tccttccctt ctttcttcct cgttccttcc ctacttccac

71221 catcctcttt cctccttgct tccttctttc ttctttccct tttttcttct catcttcctt

71281 tctcttgtac cattctgaca atactcaaaa ccaatagcct ctcttttttt catcctcttc

71341 gacatttttg tagcatttga tacaaatatc ccccaggaat tctctctttc cttagcatgt

71401 tatgaattat gtggccctta ctttttaaaa accttgactg ttgggatttt cttccttctc

71461 ttactactcc ttctcaaaca gcacagagtc agcgttgcca acttcctctc tcattcacat

71521 ctatctccta attcagttga tcatttatgc taccgatatt gattgagtgc ccactcggtg

71581 tcagccacat gataggatgc aatagtgaaa aagacagaca tggtgcctag acccatgcat

71641 tttgtaatct agtaggttgt ggctacatgg cataatacat ggcaatgata gagaagatgg

71701 catgcctcag tagtcttagg aggtgcacca aggcactgag cccaggcgtg gggtcagttg

71761 atgagaagaa ggggagcagg gccaaataag tgctcctgga gtgacataac caatacatgg

71821 aggaggcttt agatgtcttc tgtttgaccc aatgttgctt gaccataact agggttgtca

71881 gtgacaggta accagatctc aatgcaatgg tgagctctca gaagacagaa ttagatattt

71941 ggggatatgg gggccaacct gccaatggat aatgtttatg agatacatag tatcttaaaa

72001 aggatattgg gagggtagtt gtaatttagg tgggtggttg gaataaatag ccctacaggt

72061 tattttattt attcataatt ccactcatat ctattcactc actccctccg cttattaagc

72121 acagtttcac tctttacttc atgtgtgaga tcccttttat tcatctggtt tggggattct

72181 tatttttcca tgtgaacaga gagaacagat gctttgtcct aaaatcacca ctcctgactt

72241 ctgaccactg ctgtctccag gaggcagagg gtaatagctg ggcatcatca gccagccttt

72301 ggctcatcat tcttgccaag agcttcctga agagcattcc ttctccagaa agaaagtaga

72361 agctacttaa aagagaagaa taaaaccctc aaaagtcttc ctcctgcagg atgttggcat

72421 gccatctctt cttcctttgt gggagctgtg gagatcagca cacagggact gcttctctgg

72481 ggggctggag gccattgcct aagaggagac atccgggagc ctgggaggag gtggtgaaaa

72541 cagccttcta tttcagaccc aagaaaccag gatttattgc tctctctgag acaggctgga

72601 ggcaagcctg ggtgccttgc tggctaaccc ctggggctgg tgaacatcgg gtggagggag

72661 gggctaagat tggactcagc ctgcaccttg aactgctgta aattgaatgg gcctcctctg

72721 acccactggc caggaagcag gctctggcca ggcctggggg gtcttttgct cagtggtgct

72781 cctgagccag ccaccccttg gcgtcccggc tgagcagttg accccgactt aatgggacca

72841 ctacgtgggt gtccagggcc agctctccag cgggctgctt cctttggagc caaatcaata

72901 tttattaatg atctgccccc accgggtgcc tccgctccac agagggcctc tgttgcccca

72961 gcctgcccaa gtcattcatt aaccgcggag cccagccgcc cgccggagag gctgttaagg

73021 ggctcacaga ggccagccca ccggccgagg tatttggcaa ggccattaat gagctaatct

73081 gatttaactt ttcaaaacgg aggcctgggt cgctggggtc agtctctatt tccagctttg

73141 tgagagagac cgggtagggg gaagggacct gcagccttca ctaaagaaaa taaggggtat

73201 gtgaagagaa cttaggttaa aaagtgacta tccctaaatc cagggatgct caggatgggg

73261 cagactcaag gctgtcctag ggatcttctt caagcacctt tagagcctta gtttgtcacg

73321 cttcctttcc ttctcaaggt gggagaaaag gaatctaaaa tttaaaagca ccccttcacc

73381 accaccacac ctttattcta agcccagcat tgctttttgg tgaagtgcat cggctgcaaa

73441 attgttcttt cggctcagct agctcagtga tcttgagcaa atcactttgt ctctttgagc

73501 ctatttgctc atcagtgaac agcaataatg tctaccacct gggactgttt tgcgaattaa

73561 aggagatgat gaaagtaaag cacttagcac agtatctggt gcataataag cgctcaagaa

73621 aatgtaactt tagaggaaaa agggtagtcc tacctttttg cctgggaaaa atcagaagag

73681 cccaggtgca gaggttagag acataagcat ggactggctt ggcctctagt ggcctctggg

73741 accactatct tagtcagaca agcaactctg gagtttatta tgaggctcag gtgcaaggac

73801 tgatgccaca gatgcacctg ttttgggtca gtttcttccc accccaaaga aggaggcagg

73861 caagtgctca gcaccttgcc catttcacag atgcaaagcc agagacgcag gaattaagta

73921 gtttgctcag acttccatgt tgtgtgggtg ggaaagatga gacttgaact cagacctgct

73981 ggcttcaaac ccaggatgtg cacacccttt gcacaatgta aagagtcagc acatgtgtca

74041 aggctcggca ctgagtttgt ctggggtcct ctgtggtctc tcctgaggtc ctcacattgc

74101 ctgcttcaca actctgcaag ctgggaagtg agccacatca gggatcgacc cccagtcccc

74161 aacacccagc acccaggtgc ctctccctgg tcttgttcct caggctttgt ccctgctctc

74221 caacatgaca gctggtgaat ttctcttaat ggttaggtct gacctgggtc ctcatcctac

74281 cctagaagac aaataggctg cacccaaggg cattaacttt atgtaaggga atagatcaaa

74341 tgtggagctg ggctgctgcc tggaggaagt gagcaccaga gcttctcacc ctttctcact

74401 tgtccttcta taatgataat accactatca gatacttaga agcacttgtg tgccagacac

74461 cattctaaga actcttcata catgagttca ttttaatcct cccatcaacc ctctgaagga

74521 cgtactatta gtatagctat tttgtaaatg ggaaactagg gaacagaggg cttaagtaat

74581 ttgcacaaag ttccaaagta gagattggag ctaggtggtc tggctccaaa gtgtgtatga

74641 tgagtcccca ggctttgcca cttctctggc ctggctgtgt tttggacctt ttcttgaaga

74701 tgatggggtc ctgaagccac caaaggcccc tggactcagg tgagcaccct gcagcctcgc

74761 agtgctacct cggggtccct cacagcctct gcgacaaggt gcagagctca gaggtctggg

74821 atgtggtgag ctgttttgat ctttgtcttc tttttacaaa gacttgaatc ctctgagtct

74881 tggcaacttt ctcaagttct tcaaattttt tgttttcgtt ttgttttatt ttgtcttgtt

74941 tctcctacca agagggctga atgaagccag gtggcccgat aagaattttc ctctggagaa

75001 ggaaaaagtc acccagagct agaaatatgc tggttctgct gccctctggc gttcgctgag

75061 cgccagccag cctgcacagc cctgagtcaa ggtggtgcac cctgactgag gtctgtgggg

75121 aagaatgttg tttctctggt gggaggagaa aggaaaatga ggctgtgcat ttgggagctg

75181 aacaaatgta gtgactgtac ttctgaaaaa taaatgaggt tgacacattg attgaagtgg

75241 agctgacttt tcaagtatca tctggccagc ctcagccctt cagaggatcc cacaggtctc

75301 tgaatatgaa actcaaaagg gtttgctgcg ccgataaatc taatacccac atgttacaga

75361 aactaaagcc caagattaga aacctcttaa tacccaagct ggacagagaa ccagcttcct

75421 gatcccaatc tctgttcttt cctcctccct cctcctcttc ttcctcctcc tcctccttta

75481 atcatcatca ttaaaatctt tgtcatatta atggttaaca ttgataaaac acatattatg

75541 ggccactgtg ctaagatgtg tcatattgct gcagcattta attcatccaa taatacggaa

75601 agagcatttt aattcatttt gtgaataagg aaactaaggc tccaggagat aagacacttg

75661 ccagttacac aacgaaataa gtggtagaga ctttctaggc ttgctggaaa actttccact

75721 ctgctctctg ctatgataag ctaaggatac agtagaaaaa aattttatat atatatatat

75781 atatatatat atatatatag tgtatatata tgcatatata tacagatata tatagtatgt

75841 gtgtatacgt gtatgtgtat atatacatac acacatatgt aactcacagc tgagcagtaa

75901 tactgtctac tatgtgccag tattgttttc cataaatcac gcatattaac tcatttaaca

75961 tcatgttgtt cttataaagc aatactttct agtactacta ttatcaccat ttcaaagata

76021 ggaagagtga ggcacaaaga gatgtaataa cttttcctgg gctcatagat agtaaatgca

76081 gagataagat tcaaacctgg gctgtctggc tgttttaaga ctcttaacca ttgctggact

76141 gactattcat gacacaaata ggaaaccaac tctggactag ggccagatcc tgagtatccc

76201 agatttcatt gagccatgcc aaggcaattt caagtcacca gggtcttccc tctggggtct

76261 agaggcagag gatttcatag taaatagcat gttgtcttta acatcaaaag gacaagaggt

76321 aagagttggc aaggatgcgg agaagagaga acccttgtac tctgctggtg gggatgtcag

76381 ttggcacagc cattatggaa aacagcatga aagtttctca aacaattaaa atatagctac

76441 catactttcc agaaatctca tgtctgagta tatactcaaa ggaaatgaaa tcagtatgtc

76501 aaagagatat ctgcaccccc tgttcattgc agtattattc acaacagcca agggaaacaa

76561 cctacatatc tatcaacagg tggatgaatg aagaaaatgc gataccctcc tgacacacac

76621 acaatggaat attattcagc catgaaaaaa gaaatattgt catttgggag aacatgggtg

76681 aaccctaaga gcattatgcc aagtgaaata agccagacac agaaagacaa atactgcttg

76741 atctcactta tatccaattc aaaatgtgtt gaatttatag aagcagagag tagaatggtg

76801 gttgccaggg ggtagggtga tgagagaaat tgggagatgg tcaagggtac aaagtttcag

76861 tcataagatg agcaagtact ggggggtcaa atgtactgca tggtgactat tgttaatcac

76921 actttactgt gtacttgaaa tttgctcaga gagatctcaa gtgtccttgt cccactccat

76981 acccgcacag gaaaaatgac tacatgagat gatgaatatg ttcattaact tgatcatggt

77041 aaccatgatg tatgcattta ttaaataatt acattgtatt tataatttta taatataaat

77101 atatatgtgt tatataaaat atatgcaata ggtcaggtgc agtgacttac acctgtaatc

77161 ccagaacttt gggaggccga ggtgggcaga tcatgaggtc aggagttcga gaccagcctg

77221 gccaacatgg cgaaatcctg tctctactaa aagtacaaaa attagccgag tgtggtggca

77281 cgcacctgta ttcccagcta cttgggaggc tgaggcagga aaattgcttg aacccgggag

77341 gcgtaggttg cagtgagccg agacaacaac actgcactcc agcctgggtg atagagcaag

77401 actctgtctc aaataaataa attaaattaa taaataataa aatatatgca atatatacaa

77461 atataattat gtaaatataa attatacaat tttatgcaat tgtaatttta tattataaat

77521 atatatgcat tttttattgt tcaattatac cccaataaag atggaatttt ttaaaaagaa

77581 tttaaaaaag agcatcccca tcactttcca tttccttatg cttctttatt cttcttcttc

77641 aagaatttcc tgacattgtc atgtatttac atttatttat tgcttatctc gtgttgtccc

77701 tgccagaatg taagcaccac taggatggtg actcccttgt atgcacccca caatgctttg

77761 tgcttggtac gcaggaggtg ctcagtacat atttgtggaa tctcctttgg tcattctaaa

77821 tgtcccctaa gtaagaaggg gttgcagcaa gaaaggactt gttctgcctt atttctgggg

77881 gcagcagtta ctgccagaat tatgaacgat tcccaggcaa aagagagatg atgaatgagt

77941 ggaggcaggc tacctccgca gtgtggggat gagattatcc atggtcctga acatagagga

78001 aagagtcagg cccccttgtc caggtgggtg ccattcattg aaaccccttg gtggcaatgt

78061 cctggagaag caagaaagat cttttagaag atgctgagcc ctgggtgact ctaaagtgct

78121 gattcctttc tcaagcccat gcaaacctgg gtgggaaaca actcccattc ttggcactga

78181 caacagaggt tcagtgtaca acgcaaatgc tggacccact gaggaaggag agcttgggga

78241 ggagtgtagg tgacaaggcg ggaagccacg ttcctcacca aatgaacaga gcatggtatt

78301 gagtcatccg agactccaaa gtttcagcag ttgggaccaa ggaggtctat caagagactt

78361 gccctcattg ttcctcagtt tcttcatctg taaaacggga taataataat acctacctca

78421 aaggactgtt gcagaaattg aagggggtag catatgtgaa atgtttaggg cagtgtccaa

78481 cacacagcaa gtacgacaga agtgttacct ggagtgatgg ctgcagcatc tgcctctgtt

78541 cttgctgtcc atagggagcc aatctggaaa agagggctgt gctttagggg catggaaact

78601 tctgggcagg aaatctggct tcacagtcag ccctccttat cagtatgctc tgccaccttc

78661 ccatgattgg caagatgcat tgacgatcaa gaccagaggc cagagagtca gctggacctg

78721 catttgaatc ctgactccac tgtttcttag cagtgtgtgt ttgagtttgc actaaacctc

78781 tctgtacctc agtgtcctcg tctttaaaat gggaacatta atagtacccc ccccccacag

78841 gtaaaatatt tagaacacca ttcagtgtta gttttattgc taacatgggt ggtagagagc

78901 ctaggttcct cagctctgca gaaacaaggg tctaaatgga cctttatgaa ctgctggaat

78961 cagctctcct tgttttgctg gaatgcagct gctgctcctc ctgaggctcc tgtttagatc

79021 acggagggaa tttccccaga ttggccacta gatagcacac atgctctttc ctgccccatc

79081 taagcaggtc agaatcatga atcatgggtg tcagattgaa agtcacgttt tatgtaccag

79141 acgctgagcg gcgccctttg cttgtttctc atcactgccc acagcaatcc tcagattcaa

79201 gtagctactc caccagaaat gctccaccag aagtgcctgg cacgtaggaa ggcttcaaaa

79261 acacgtttgc tgttcttcct atagttgtgt atcccagttg tttattcctc ctcctcccgg

79321 aggaggaact gagacacaga gaggataagt aggcagatgg aacccggatt ctaagccaga

79381 ccgcatgctg attggaagtt cagcatcttc ccctcgacct catttcaggg gaagttctgg

79441 aagccttgca ctcacttcag ggttcccacc acgtctattt tggctctctg gattcttttt

79501 gaatctacca ctttcttact cctggtgtga tctcaaatca gctatttaag cttttagagc

79561 cccagtttct tacccgcgca agaggggtta tcatgccttc cttattttga aggtacgtca

79621 gaaatagcaa ctgtaccaaa gcaggcactc tggatggtgg ttactgctgt caatacctta

79681 aatgttaaca caaccagggt gaatccatta cttcccttct ttcttccctc cttttctttc

79741 ttccttcctt ccttatcttg ttttctccct cctttctttc cttttcttcc ctccctctct

79801 tccctcttcc ttccctcctt ctttttctct ttatgcccgg tacaacaaag tacccatggt

79861 ttctgccctc atgaaactta cggtccaaaa tgcccttgtc tctgttcatt cctgggaaaa

79921 tttcacctgc aatgtatctt gtttcctgta acccacaggg atgtcggtgc tgccacctgc

79981 ccttctccct gggcccctct ctctgcaaga cccaggtgtt gtagtccacc ccactcaagc

80041 ccaacccctt ccccactaca ctggctcaga agcaagtctg aaatccttta ggtgctgcaa

80101 ggcatcttca gatcccaact atctgactct gttcactctg cttcaacaac ggctttctaa

80161 ctggctttgc gatcgaaaga ttttgctgca gtgcctgggg cctttgggag ggaaacacat

80221 aatgggaaga tgggttctca tgagctcatt tacagtagaa cagtctggtt ttatataatt

80281 tatattttgg gcctatatgt aatattctgc tgctaatggc cggacgcagt ggctcatgcc

80341 tgtaatccca gcactttggg aggccaaggg ggtgggtcac ctgaggtcaa aagtttgaga

80401 ccagcctggt caacatggta gaactctgcc tctacctaaa ctacaaaaat tgggcaggca

80461 tgatggcgtg cacctgtaat cccagctact cgggaggctg aggcaggaga gtcacttgaa

80521 cccaggaggc agaggtttca gtgagccaag atcacatgca actgtactcc agcctgggtg

80581 acagaaggga aaaaaattct gctgctaaag aaaaccatca aagaaaacta ccatgacggg

80641 tgggagggag atgagttttg agataattca gagaacatct ccaggaaaga gaatgtattt

80701 gggaatgggt tttaaaaccg gtttctaagg aaaatggagt ttaacttttg aacgatagta

80761 atttgggggt tatctggaag ccagcccact tgccatcacc attggctggg atccccactt

80821 ctgatctcag caaggccttt ggccatgttc tgccaatctg tactcaggac gttgccttct

80881 ctgtgtttca gtgccctggt tcccaagaac cattcaagag ctggacagat ttgccaatca

80941 gattctcagc tatggagcgg aactggatgc tgaccaccct gtgagtccat ggcccgtagg

81001 atgagatttt ttcagtgcct ctcctccact cccctccctt cctcttacct tctctacttg

81061 gagcaatgta cttgttcact tgttcaacaa acacttattg tgttcctatt tacacgaggg

81121 ctgggaaaaa ttagcaagac tttattgtca tcatcattat catggtcatt atttttgtag

81181 gagcaaatat aaatcactgt ccagaaacta ttgtctctat atactaggtc tgtgtatgca

81241 caaacacaca cacagatgca aatcatcatt gtttctgcct gtgtacatct atggaggttt

81301 aagtcaagtg cttggtaaac agcaacctgt actaacaact ctgccaactg cagggggcag

81361 cggggagtgg cgacgttgaa actgaatctt aaaaactgag taggagatgc gggtcagata

81421 aggaacggag agggcttatg gctgaaagaa cagtgtatga gaataccgag agtcttggaa

81481 gcatccacaa tactgtggga atgactggtt ggtgcattaa gtatgagaat gagagatgtg

81541 gctggggcag tgggttggga tcagattgta aaagggctaa tggaccagaa agaggaacac

81601 ggactgggcc tgtgtcttgc agccatgggg gcaggtcctt taatggtttt tgagtagagg

81661 gccggggtgg gggatatttc atcgttccct ctactctggg gcagagggtc tggggaggaa

81721 cagcccaggc tgcggtggct cagggccagg tctcacagcc tccatcggtg ggaagggcca

81781 ccgtcctgtt gcctgccctt tattctctgc caggcaaatg actccttcat ctttaaatga

81841 cttgcagcca tttacatcgg tgaaggttga gcagaacgca gaggaagcat ttacacttcc

81901 acaggagtct gttttctcct cacatttatg tgggtcttta taatcagcaa agaatgttcg

81961 caaaggcgct tttcaggagg caaagcagat gcttccatct tacagaacta gtgaggcccg

82021 aggagcctga tgacttttct aaggcccggt gctaaactgt gagtcctgag agctcatggt

82081 gcctgaagac aaaggcctag ctagtggcag aaatccaggc tcttttacag aggccaaagg

82141 caagctattt caggggcaag ctggcctttt gaaatatgaa tgattgatgc ttcttctaat

82201 tcaaattgta aaaccaatta tagtgggctt gaaaacacag aggggcatga ggaggaagat

82261 gaaaagcaac cataatttca gttatttcta tttttctctc tggacagttc tgcatttttc

82321 aaataatgag aaagcatata tcaacagaaa caaaggtgaa tttcctccaa tctcccagac

82381 ttccaaacag aaaaaaaaaa atcacctatt atcacactat tctaaaataa tcaataaatc

82441 aatattaata tttgggtgtg cctccatcct tcctcctttc tcgctctgtc tatatatata

82501 tgtatatata tatatggtgt atatatatgc acacaaatat gtgtgtgtgt gtttgtgtgt

82561 attaactgtc acaacttact aaccagcacc caattgcaaa cgtgtaggaa gtttgagtct

82621 cacctatgta ttttcacgtg aacttccaat ggctgccttg aatattagtt gtgaaattaa

82681 actaagttat atttaaactg aggataggaa ttaaatttaa agctcctagt gtatattact

82741 taaatactct ctctccccga aaagtaaagg taaatgtggg gacttttgac ccccattcca

82801 tcctatatac catgtagcct actcccagga gccctggggc gccaaggttg ctccaggtgg

82861 gattctgctc tgtgtacccg ttcaacagat ctctgtctgg ggcctcttag ccatcaactc

82921 tgtcagcaaa gcatctccaa agatactggt tctcagaaaa gctgtctgtt cacctctgac

82981 ccatccaagg ggtctgccca gcagggcgtt attctcctct taccaaactc ctgtcttcct

83041 gccccaaacc ggcattcttc ccattcgttt cactcccttt tcatttggga cagtggaaga

83101 ctccaatgca aagagatgga catttttctc cctgtatcct caagtcccct ccaaagcagc

83161 tggcactggc tttaaaactc tctggaatgc attggttttt aaaagccaca tctttgactc

83221 cctgccctct caatgttatg aattttattg taaaaataca acatatcagg tacacagttc

83281 cctgaagacg aggcgccagg ctctctctgt tcctttcatt tctcatcaga tcccagggac

83341 gtgggccaag gacaaaacaa accctccagc gtgctttccc agagaccccg gggcccacag

83401 gcctggcctc agtgtgtgag tgcaaacaga caccagcaca aggagtggtg cagtcagcgg

83461 gtgttcttct cgaaaggacc ctctgttctc tctgtcccgt tgcatcctgt gtgatctctt

83521 tgtccctgaa cccggccctt ggcagtatgc atggatgtgt gacccaatat ctctcatcag

83581 gtcctccaaa gcagtcactt tgaaaaatga agtaaaggaa ggactgtttc caagacagag

83641 ggaaaatggc ctctgccttt cagttttagc taagtgggaa aatgaaatag ggaagctaga

83701 tttcctggtg accatcttgc ctcctttccc cttctttccc agtctccttc ctttcctttc

83761 ccctttccca ccttgctttc tttttttcca aaatctttta gttaactaat gatattagga

83821 gctaatgctt cttgagcagg ggctgtgtgc caggcacaat gctaaatgct tggcattcct

83881 tttttaattt gaatattatc accaccgtat gagggctgta catctcattt tcagataaga

83941 aatctcagag ggagagggcc gtgtaacatc atctgtgtgt gaactatgtc tcaggccata

84001 taaaagaaag gaggttgaag tgacagatga catgatccct gccctccagg ggcctgtggt

84061 tgtacagtag agagagaagg ggtgttgact gttctcaaag cagtgcagga gggagctgga

84121 atagtaactg caaacttggc aggcagaatc caactggttc tatttaattt ccatttccaa

84181 aatttactcc cctttctgtc catgttgttc cctttacctg acatgttttt tcttgccaac

84241 ccacctgtta tttccccact tggaaacctc tattcatcta aggtctaaat catatatgtt

84301 gcctccctaa agccttcctc ctgtctcttc caagacttaa gtttctcaca ctgttactat

84361 ctcagagatg gcaacaatca cattgtgttt atactttggg tacagagtat cagatcacaa

84421 taagtttact tcttcatgac ttataacctc atgggaggca caagatatat atatgcaagt

84481 gaaagggcca tatgcatgtt tccgaaactg tagtttatga aaaatatccc atgatcaaag

84541 agagaaactc tgtattctat aaccctactt taagtatgca aattccatta tctcattaga

84601 aactttggaa aatcctgcaa aaatgaaacc cagtcaatgc aatgtttcct aaaacttact

84661 tacccacgga actcttttta atgaaatacc tagcaacatt atcttatcgt gagtggtagt

84721 tttccatgga atacagttgg gataataact agtatataat tatataataa taactcaaaa

84781 aagtgcataa atgccaggtt tcatgagtca gatagcatgt gctatcattt ctaaggtcac

84841 tgtgtactgg aatggttagg gaggacttct agaaagagga agatctgagt ctagccctct

84901 agcaaccaga gcaggctaac tgctcagcaa aaacccccag atctccgtgg ccaacccaat

84961 aaaagttcac ttccaatgtg ggtcagtaag gaaactgctc cacaaagtct ttcagaacca

85021 agcctccttc caccaatggc tgtaccctcc ttcaactcct tggagcccac tcattctgcc

85081 agtggatggg agaagagaga gtgagaattg cttctgggaa gttttcatgg gccatgtctg

85141 gagatgactc acatcccttc aatcaaattc cattgagtag agctcagtca cgtgcccact

85201 actaactgca aagaagatgg gggaaaatag tttagcaacg ttctctgaac aaaggagaga

85261 ggacagatct tggggagcac cagcaacctc tgccacatag acccccaact ccagagctac

85321 ctattccagt ttacctggca gctgcactgg agtctaggct acagatctac aatagagggg

85381 gcttcttagt gaagaaaata tcagccaaca caactgtcct tctgtggata tttctacttc

85441 ttgacccaag tctttgaaac tacatggttt tttttaatgg agtttcactc ttgctgccca

85501 ggctggagta caatggtgca atctcagctc actgcaacct ccacctcctg ggttcaagtg

85561 attctcctgc ctcagcctcc cacatagctg ggattacagg tgtgtgccac cacacccagc

85621 taatttttgt atttttagta gagatggggt ttcgtcatgt tggccaagct ggtctcaaac

85681 tcctgatctc aggtgatccg ctcgcctcag cctcccaaaa tgctgggatt atgggcatga

85741 gccaccacac caggcctgaa actgttttta acctttcaag gtgtgggcat caagttttcc

85801 tgctctcctg taggaaattt cttcttcagc aaattgccca ataacaagac tatatttttc

85861 aatacttttc tccttttctc ttccttttgc ccacctaatt ttctccacct gaggccctgt

85921 cagagttcct tctaagagtc agtcagctag ttgagtcatc aaagacttgt tgcattctta

85981 ctaaattgct ctatccaagc ataatttgtg aaaagttaaa aacataactg tcatgcaggt

86041 atatagtgaa cacctgtcaa agatccattt aactcactat tgagggaacc agcaagatga

86101 caaagatagt gcagaaaaga tacaagagac gaaagtacac gtggtcatcg gaaaatagaa

86161 agccagaata aggtcacaaa gatggatgca caagtgatta atgttccata agacaataaa

86221 gccataatta tgtgtcttaa cctttctact aggcagaaac aacttacaat ttgataataa

86281 aatgaatatt ttgcaactta ttggtcttct aaaaagccag catctacttt gaagtgattg

86341 taactttata agtagtaaat atatgtcccc ttagagcaca gagtgagctt gtgagacaat

86401 gatctcatat gacatttaaa aggcacacag taattttttt gccctaggtt ttgcaaatat

86461 atatatatat atatatatat atatatatat attttttttt tttttttttt tttttttttg

86521 aggcagagtt ttgctcttgt cacccaggct ggagtgcaat ggcatgatct cagctcactg

86581 caacctctgc ctcccaggtt caagcagttc tcctgcctca gcctcccgag tagctgggat

86641 tacaggcatg cgccaccacg cctgactaat tttgtatttt tagcagagac aggatttcac

86701 tatgtgggcc aggctggtct tgaactcctg acctcaggcg atctgcccac cttggactcc

86761 caaagtgctg ggattacagg catgagccac tgcacctggc ctgttttgca taatttttga

86821 acagcttcta cttggggata tgctgagtgt gctatgccct gaaaatccag tgatatgtaa

86881 aagagtttcc tgagtttaat cattattaac atatgtgaga ccatctgaaa cgagaaacat

86941 acaacacact gagagaaacc aataaacttt ggaaaaatcc aggaagacag aaagaacaga

87001 tagtgactta ttggtctaaa cgagtgggga agagggtccc actcagaggg tagaacacgt

87061 gtgaaggcct tgatgtggga aagagcatgg tgtgtttaag gaattaaagc aagaccagtg

87121 cactctgcag catcatagga aggccagagt gagtcagcac agggctggac acatagacag

87181 agctggatca tgtaaagcct tgtggactgt gctaaatatt ttggacaata gtctaatagc

87241 aatgagaagc ccttgaaggg cttttgaaga ggcaagtggc ctcaccagac ttgcacttta

87301 taaatataat ttgggatgaa gtggaggggg tgagaggcca cttacccagc agctacaata

87361 gtcaggcaag aaatggtggt ggtcgaatgc aggtgcagca gtgagaatga agtaggaagg

87421 acagactcag atgtttgaat ggtagaatgg gcagaaattg attgctggat gtgaaggaag

87481 agagaagggg gaagtaaaac aataactcct ggcttatggg cttgggcaac taggtacata

87541 catttttcca gaataggctt cttggccaat tgtagggtga gcaaagggat tgggcatggt

87601 cggtgctccc ctagtctact gtttgcaagt cctccttgac caatgtctat aggatgggaa

87661 tggcagctac ttaataaatg ccagtttgaa ccttttgtct tctgtgttcc atccttcccc

87721 cagttgtcat gaaacattat gaaaaatgca aaaagcctct tgttattggc ctagctgaaa

87781 tatacacagc aaggtaagaa ttctgtagat gttggtttaa aagccccttg tggctggtgg

87841 ggatcactga cccattccag agtacatctt ttttatattc tgagccagac ttctctgtct

87901 ttggatttcc tgccattttg cacaaatgca tcatgctttg agcaactaca atgtgctcag

87961 aattttgctt aatgtgctgc cgacattacc tgacttaaac tgtacaacac tgtgaagcag

88021 gtaggattga cagtcttatt ttactgatga ggaaactaag gctctgagag ataaactggc

88081 cactcccagg ccatgctcct tgtgaataaa tgaattagta ttccaacaca gcttttctga

88141 ctttaaaacc tgtgttctca ctagcctaaa gagagcactt ctgaggttta accttagcta

88201 tgatattagg aaatgatgga ataaatatct cagtctacaa gaatactcaa gacttttcca

88261 tatatgtagt taccctctcc cctaaaccca cccacacaca caaattatac ctctcaatac

88321 atgcagactt cagttgatgt catgacttgc atcctgtaga actctctcga ctttctcccg

88381 tcttctatcc cctcccctcc ccctcaccac tccttcacca acaatatatt ttcctgtcaa

88441 aacatacttg gttacatgca gtgcaactaa aattgctgct attagtttaa ttgagacagg

88501 gtgattataa ataaattaca tgcagtgcta ctgaaattgc tgctattagt ctaaattgag

88561 acagggtgat cagtcatcac caactgtgat ttgattcaga atgtactcca catggacggc

88621 tacagaggcc ctgtggtcgt ctggtagccc aaggaatgca aggccagatc cccaagaggc

88681 tgggcgtcag gccacagagc tctctgacca ctggtaactg agaaagcaaa actccctgca

88741 acctggttgg ttggggcccc ttgcaggctg ataatgaact tagaaaccag gagctggaaa

88801 gggtcatggt tagaaacctt cccacatgga agatctgtat agtgcattat ctgtgtgtgt

88861 gttcctgtat accaatgtgt gaatctcctg ctacttcact aaaatgattt gagatggata

88921 tttaatacta ttttcttttt tttattctaa aagaaacccg ttctcacatt agaaaacttg

88981 aaaagcataa atagttttca agaatacaac tgttagtgtt acttattttt cccactacct

89041 ggaggtaaca cttgttagag tttggtgtat ttctttaatc attttattta tatacttaca

89101 tatttcctct gacataattg atatatgaca taattgacat aattgataat atcaactggg

89161 tatacagtat tacattagct tttattttca caagtagaaa atctttaaac cacctaggca

89221 aggtacatga aagataaaca ataaaggcaa atgggggtaa gaactgttca tggatatctc

89281 attcctagaa gcagcatgat gaagtggaaa tccacggatt gaaggaattc tcttttcttc

89341 ctggattcct acttcagtgc tcaaatctca acttgccagc ctagggagga ccacaaaatc

89401 caaatggagg tgctagttct gtagttttgg gcctttaggc aaatggctcc atgggcttca

89461 tattcttcaa gtctagacca aaatatagaa atggaccttt ctacaaggtg ccttacaggg

89521 tcaaaagtct acatattatc cttagggcct ggagaaaaac tattcactac taactattaa

89581 ataagaatgg caagtgagaa tgactgtaac aatcaaacct taatgactga ccaatattac

89641 atgtttattt tgagccccaa gtatggagat atggacaaat aaatgttctt tgtttagtcc

89701 agtagacagg tttctaaaat ggtgtgttac tgatatttgg aaagtaaatc atggtgccca

89761 gttttatttt ttttttttaa ccacatcatc tcaaaccaac ttaccttcac ccagtagaaa

89821 cgaggcacaa cagtagtttt aagtactcag attcctaagc tttctaatct gtaattaacg

89881 attaaaaacc attcagtgct ctagggaaag gaagagttat actttgcaat aaccgtgtca

89941 taaaatcttt tctaaacaga gtaatcacat tatttatctg ggatttagat ttggagtaaa

90001 aaaaaatgtg tagtagtttt acttcacttt tcaagtgtga aacatttgga tgtttctatt

90061 tttcaaaata tattcccgga aataaactaa ttaactccta tcttccctcc cttcctttct

90121 tccaacaagt gtctgtagtt ttttcctgtg tgccagaatc aatgccgcag attctcagaa

90181 caaattacat tatattacat tgccctctgt gtctttacaa ttactggtag gccctgatat

90241 atatatatat atatatatat atatacacat atatgtatat atatgtgtat atatatatat

90301 atatatatat atatacacat atatgtatat atatgtgtat atatatatat atacacacac

90361 acatatatgt atatatatgt gtatatatat acatatatat aggtgtatat acatgtatat

90421 atgtatatat gtatatacat atatacatgt aatatacatc tatatataca tgtatatata

90481 catctatata tgtatataca tgtatatata catctatata tgtatataca tgtatatata

90541 catctatata tgtatataca tgtatatata catctatata tgtatataca tagagagaga

90601 gagggggaga gagagagaga gagaaagaga gagagagaaa actctcccaa aacaaaaatt

90661 caaccaatca agcaaccaaa acaaaaaaca aatctaaaaa tcagggaata tttctctttt

90721 taaaagtctc ctttaaacat tacactctgt gacataagct tttgttttga attcactact

90781 gccttggttt ggagggacag tggagcagag aaattgtgag ctaaagtggt ggatggcatg

90841 gcttactggg aaaggcttgg aagaaccaca gcagagttct acggaaatga tatcagtctc

90901 ttgtcttacc aaaatttaga ctgcaatcaa ctgtttttgg aaaattgtct ttcaatcagt

90961 tggaatccca tttccacccc aaacactcaa agacacactt agcctccttt cactcggaaa

91021 tgtgctgctt acaaatcact gggaaaaggc tgcctgtgaa tcagcttcag aggagactcc

91081 attatcatcc tttttaggtc ctgagacaga ctctcagtta gctaggcccc tgccagattg

91141 taaaggctga caattactga tggtgatcca aatcccagcc tcaccgtcac tatggatcca

91201 cttctctgaa ccaccattta ttccggaaag aacaggataa tcatactcat cgaactcgca

91261 agtttgttgt gagaattata tgtaaaatca gttcctagta ctcacaaact ggcacatagt

91321 atgtatttaa tcaatggtat ttttaaaaat tgcaagagca ataagcatgt gcctgctcgt

91381 ctatcaagaa attaaaaggt agagctagac acaaacctta atcaggaatt aaatggatat

91441 tgtacatctt catcatagac atccatccta tgaactttgc ttagtttagc aagtgtgtca

91501 gtcagatatg ctgtagatga ggtttcttta agaacagatc atgcacattg gaatccacag

91561 caaggaggct catgctaaat caaagaagtt actaataagg tgtcactcac aatatctggt

91621 aggagagcta agtttaaccg agactttagt tttagggtat aaccaaggga aggagacatg

91681 cactgtcatg gcttgagagc ccccattcaa agcattcata aaggtaccag acctcttcct

91741 atgaagcctt gaaaaatcag gtgtctcttt tctcctaggg ttttaaagat cctgtgtacc

91801 gtgcaagacg gaagcagttt gctgacattg cctacaacta ccgccagtaa gtctgccttg

91861 cttgttgagg ggaagagaga aaaacacacc cctagcctgc ttctcccttg ccctcatcca

91921 gttgaggatg gaaaatacca gcatgaagag tcctgccttc tgtgtgtgca tgtgttcatg

91981 tgcatgcgtg tatgtgtgtg tgggggtgtg tttaaaccct ccctttaata acacatgata

92041 aaaaatgatt gctgctagac aaaacaaaat tacccactgt gcgggggccc tgctctctcc

92101 caagctttgt tgtctaatta cgcagtggtg tctgcagtaa ttagaaaagg cctcggtcct

92161 gaataaaaca gcctccggtc ttctctacat taaacaggga agaaggaaaa agagaatcat

92221 ttacattcaa gaaggagctg gctgctttac tgaaataatg aatcattcaa gatttcaggc

92281 cagccaaact tcagctttct acttttatct ggtctgaccc agctgtgaag gacaatttta

92341 ggatggtttt ttttttttcc tgtctggggt tctgtgttcc tcccctaccc tattttagcc

92401 aaaagaaaat gcaaatataa aacatgtttg agaagacaac agctttgctc ctttgagtct

92461 taaggaacta cagaaatgcc accatgggaa acttagtgtt ttgacaagtg ctgttactga

92521 gttaagggat taagaaaaga catgcacaag aagaaactta aaatttgtcc agaatgctca

92581 tggcatagta ctttgacagc tttgatagaa tctcagggag atggagaaga tgatgggcct

92641 ttctatactg aatacaaagt tactttcaac atggaaaaac ctccggaaaa agagagagaa

92701 agcttttctg aatgactttt ggtagtggaa gaattcaaaa atgtgctgtc tttagtcaga

92761 tctaagccca tctgggcctt ggatcctgct gagcaggatt cacagaagat ggtgacctcc

92821 ctttcctgac tccacctttg ccccagctca gtcaggtgga caccatcaaa gcaggtacag

92881 gcaaaagtcc ttcagatagt cagcaataac agatcatact tattatcttc ttgctgtgtg

92941 tctgggggct ttggtgaatg ctttgtatat atcattttgt ttagcctcaa taataacttc

93001 tcatttttct gatggggtaa tcaaagctta caaaggttaa gtaagttgcc aacatcatgt

93061 agctagtatg tgacataatc aggttttaaa ctcaggtttg ttgaattcta agggtatttt

93121 tagccactct tctgagtgtc tggggactcc tagagtctag agactgcact tcatataatc

93181 aaggaggagg tgcttagaaa gtacattcac ttacttctgg gttgctggga tttggggaga

93241 gcggagacag atcctcctca acctccttct catagaaatg tgaaacctta tgaagaagag

93301 tgaaattggt gaatcacctc acaatcctgg atgttaatca gttaacttgg ttactgaaaa

93361 tcatctatag atagctggac tctcagaagt acgttaaaat tttttagtca atttctcacc

93421 ttttatagat gaatcccaca tgattaacta actgatgtgc cgaaggtcat gtagctagta

93481 aagggctcgc ctttttaaaa aattaaaagc ctatttcaga cttgacttta tctcatctca

93541 tttaagcttt cggtgctctt tttaccatgt ctttcttctt caaaatagtc tcttacttca

93601 gggtctgata tagttcatcc ttgttttttt ttttttgcag attctatttt gcgaatttgc

93661 ctacttgctt aagtgtattt gtgaccccaa aatcgatact cactgtacac tttcacagtc

93721 attcccagac tagcacagag aggagaaaaa atttgattct actgaggtgt atatctccaa

93781 ctgaggtcaa agaaggcaac actctacctt tctgtttcta ccctcatttt gtcaacatgt

93841 gtcctttaca tggtctgttt agtgtcacat ttttaacatt tttgtgcttt cgtttgtgat

93901 tttgcttttt aaaaattgac caaggtctca ctcagttagg aagcggcagg gttagaattg

93961 agattctcct gcttttccca ggaaagcagt aaactgctga gccactgcta tcaagcttgg

94021 gatgagcagc cccaataact gcataaaggg gatactgcgg tcactgcttt agacttcagg

94081 ggctggtgcg aatcagatta acctgcagaa aagcagaatc agaatctcaa atagttatgt

94141 tcaagctaaa tggaagactc cagagtgaag caccgaggcc tcatctcctc aggttttcat

94201 ttagatgtca ccttctcagc catgccctct ctacacccta tgtaaaattg aaaccccact

94261 ctgaaactcc ctataccttt gccccttttt tctctatagc atttgtcatc atctaacgga

94321 gttgtgttgg ctttctgtct gcctctacta gaaatgtgga ctccatgagg gcaggggtaa

94381 ttgactgttt tgtcacagtg ctcaattaac atttgttgaa tgaatgaatg aatccaagag

94441 accatataaa agtaaagatt caaaatggtg aattggaggc agagccagga attgtgtcta

94501 gaatcatcta gaaggctgct acagcaggtt ttgatgatat tactggagtg gaagttgggc

94561 ttttaagttt tatctaggaa tagataaaac ggatcatagg agcttatatt tttcatctgc

94621 aaaacaactc aaacataaag gagagctcta ctggatacta taaatgaaga gtttaaggcg

94681 ggtagtttag gctcaggcag gtccaggatt cagcatctca ttatttgcct ctctgactct

94741 agtgtccttt gctttggcct tgctttcaga cattggcctc atttctcttg gagagggaat

94801 ctagcacctc taggctgata cgccaactca attagaggtc ctgtctattt ccaacaaagt

94861 caaccacagt tctggcattg agtccactga ctctgattag gacatagtcc catctctcag

94921 ccaggcacaa tgcaggagaa tgagggattt caattggctt agtctggtca catgcccact

94981 tctgaaggta ggagtggagt ctctcctcac ctgaacctca cagactgaga ggggagaaag

95041 gtgctttact gatgaatggg gaacagatgt tgagtcccta gaacagcagg tgtcaaccag

95101 cagaacatct tggtgctcag gatgttacca tttcttgaaa tttgttgcag gaataacaga

95161 tgcctttctt ttaaaatgag aatcagtcat aatggtaatg atcaattatc caattgttag

95221 gatttgtcag tactaatact aggtacttta tacatagtat tagacttaaa tttatccaca

95281 ccatacaggt acttatgttt agcccacgta gcagctgcac agattgaggc tcagagaggt

95341 ttactaaatt gcctgagctg atacagctag ggaatggcag ggccaaggat tgaacagtct

95401 ctgtctgttt ccaaagtctg tttgtctcct gtatcagtgc ttagtctcga taatggcgcg

95461 ttcttgggca agagcttacc tgattttttt tttttcacca tcattgctgg ctaccacaag

95521 accttctgaa cttgcctggc tttcaataat acttaagcaa aatgctatct ttttgcctaa

95581 tccctgtcac tcgtctgtag acaataacaa agactgtgct ctaatgtgtt tggatgaggt

95641 acaattctga aagggcaaga aagacctaat ctggagccta atgatgatcc ataattctga

95701 gatcaacagt ctcactttgt cccagactct gtgttcctgt tagagaaata ggcctgcagc

95761 ctaggggaca gtcactgatc tttgaagtca ggctttattt ggtttacatc tgtttgtgct

95821 gttccgaaca cagttcattc ccaggtggtt ttcaaaagga cttttttttt aaaatcttta

95881 atttagcttt cattttaagt tcaagggtac atgggcaggt atttacatat aggtaaactt

95941 gtgtcatggg ggtttgtttt acagactatt tcatcactca ggtattaagc ctagcaccca

96001 ttagttattt ttcctgatcc tctccctcct cccaccctcc acccttcatt agactcagtg

96061 tgtgttgttc ccctctatgt gtctgtatgt tctcaccatt tagctcccac ttacaagtga

96121 gaacatgtgg tctttggttt tctcttccat tagtttgcta aggataatgg cctccagctc

96181 catccatgtt cctgcaaagg acatgatgtc attttttatg gccacatagt attccatggt

96241 gtatatgtac aacattttct ttatccagtc caccactgat gggcaatgaa gttgattcca

96301 tgtctgtgct atcgtgaata gtgctgcagt gaacatatgc gtgtatgtgt ctttatgata

96361 gaatgattta tattcctttg ggtatgtacc tcataatagg attgctgggt caaatggtat

96421 ttctgttttt aggtctttga ggaattgcca cagtctttct tttttttttt tttttatact

96481 ttaagttcta gggtacatgt gcacaacgtg caggtttgtt acatatgtat acatgtgcca

96541 tgttggtgtg ctgcacccat taacttgtca ggtatatctc ctaatgctat ccctccccct

96601 tcccccaacc ccacaacagg cccgtgtgtg atgttcccct tcctgtgtcc aagtgttctc

96661 attgttcaat tcccacctat gagtgagaac atgcagtgtt tggttttctg tccctgcgat

96721 agtttgctga gaatgatggt ttccagtttc acccatgtcc ctataaagga catgaactca

96781 tcctttttta tggctgcata gtattccatg gtgtatatgt gccacatttt cttaatccag

96841 tctatcactg atggacattt gggttggttc caagtcttta ctattatgaa tagtgctgca

96901 ataaacatat gtgtgcatgt gtctttatag cagcatgatt tataatcctt tgggtatata

96961 cccagtaatg ggatggctgt gtcaaatggt agttctagtt atagatcctt gaggaattgc

97021 cacactgtct tccacaatgg ttgaaccagt ttacagtccc accaacagta taaaagtgtt

97081 cctatttctc catatcctct ccagcacctg ttgtttcctg actttttaat gatcgccatt

97141 ctaactggtg tgagatggta tctcactgtg gttttgattt gcatttctct gatggccagt

97201 gatgatgagc attttttcat gtgtctgttg gctgcataaa tgtcttcttt tgagaagtgt

97261 ctgttcatat cctttgccca ttttttgatg gggttgtttt tttcttgtaa atttgtttga

97321 gttctttgta gattctggat attatccctt tgtcagatga gtagattgca aaaattttct

97381 cccattctgt cagttgcctg ttcactctga tggtagtttc ttttgctgtg cagaagctct

97441 ttagtttaat tatatcccat ttgtcaattt cggcttttgt tgccattgct tttggtgttt

97501 aagacatgaa gtccttgccc atgcctatgt cctgaatggt attacctaag ttttcttcta

97561 gggtttttat ggttttaggt ctaacattta agtctttaat ccatcttgaa ttaatttttg

97621 tataaggtgt aaggaaggga tccagtttca gctttctaca cgtggctagc caattttccc

97681 agcaccattt attaaatagg gaatcctttc cccatttctt gtttttgtca ggtttgtcaa

97741 agatcagttg gttgtagatg tgtggtatta ttaatgaggg ctctgttttg ttccattggt

97801 gtatacctct gttttgatac cagtaccatg ctgttttggt tactgtagcc ttgtagtata

97861 gtttgaaggc aggtagtgtg atgcctccag ctttgttctt ttggcttagg attgtcttgg

97921 caatgcgggc tatttttggt tccatatgaa ctttaaagta gttttttcca attctgtgaa

97981 gaaagtcatt ggtagcttca tggggatagc attaaatcta taaattacct tgggcagtat

98041 ggccattttc acgacattga ttcttcctgt ccatgagcat ggaatgttct tccatttgtc

98101 tgtgttctct tttatttctt tgaacagtgg ttcaactaca agttctcctt gaagaggtcc

98161 ttcacatccc ttgtaagttg gattcctagg tattttattc tctttgaagc aattgtgaat

98221 gggagttccc tcatgatttg gctctctgtt tgtctgttat tggtgtataa gaatgcttgt

98281 gatttttgca cattgatttt gtatcctgag actttgctga agttgattat cagcttaagg

98341 agattttggg ctgagacaat ggggttttct aaatatacaa tcatgtcatc tgcaaacagg

98401 gacaatttga tttcctcttt tcctaattga ataccgttta tttctttctg ctgcccgatt

98461 gccctgacca gaacttccaa cactatgttg aataggagta gtgagagagg gcatccctgt

98521 cttgtgccag gtttcaaagg gaagggaatg cttccagctt ttgcccattc agtatgatat

98581 tggctgtggg tttgtcataa atagctctta ttattttgag atacatccca tcaataccta

98641 atttattgag agtttttagc atgaaaggct gttgaatttt gtcaaaggcc ttctctgcat

98701 ctattgagat aatcatgtgg tttttgtctt tggttctgtt tatatgctgg attacattta

98761 ttgatttgtg tatgttgaac cagccttgca tcccagggat gaagcccact tgatcgtggt

98821 ggataagctt tttgatgtgc tgctggattc ggtttgccag tattttattg aggatttttg

98881 cattgatgtt catcagggat attggtctga aattctcttt tttgttgtgt ctctgccagg

98941 ctttggtatc aggatgatgc tggcctcata aaatgagtta gggaggattc cctctttttc

99001 tattgattgg aatagtttca gaaggaatgg taccagctcc tccttgtacc tctggtagaa

99061 ttcggctatg aatccatctg gtcctgtact ttttttggtg ggtaggctat taattattgc

99121 ctcaatttca gagcctgtta ttggtctatt cagggattca acttcttcct ggtttagtct

99181 tgggagggtg tatgtgtcca ggaatttatc tatttcttct agattttcta gtttatttgc

99241 atagaggtgt ttatagtatt cttgatggta gtttgtattt ctgtgggatc ggtggtgata

99301 tcccctttat cattttttat tgtgtctatt taatttttct ctcttttctt ctttattagt

99361 cttgctagca gtctatcaat tttgtcgatc ttttcaaaaa aaccagctcc tggattcatt

99421 gattttttga aggttttttt gtgtctctat ctccttcagt tctgctctga tctcagttat

99481 ttcttgcctt ctgctggctt ttgaatgtgt ttgttcttgc ttctctagtt ctttccattg

99541 tgatgttagt gtatcagttt taaatctttc ctgctttctc ttgtgggcat ttagtgctat

99601 aaatttccct ctacacactg ccttaaatgt gtcccagaga ttctggtatg ttgtgtcttt

99661 gttctcattg gtttcaaaga acgtctttat ctctgccttc atttcgttat gtacccagga

99721 gtcattcagg agcaggttct tcagtttcca tgtagttgag tggttttgag tgagtttctt

99781 aatcctgagc tctagtttga ttgcactgtg gtctgagaga cagtttgtta tattttctgt

99841 tctttcacat ttgctgagga gtgctttact tccaactatg tggtcaattt tggaatgagt

99901 gcaatgtggt gagaagaatg tatattctgt tgatttggag tggagagttc tgtagatgtc

99961 tgttaggtcc gcttggtgca gagctgagtt caattcctgg acatccttgt taactttctt

100021 tcttgttgat ctgtctaatg ttgacagtgg ggtgttaaac gctctcatta ctattgtgtg

100081 ggagtctaag tctctttgta ggtctctaac gacttgcttt atgaatctgg gtgctcctgt

100141 attgggtgca tatacattta ggatagttag ctcttcttgt tgaattgatc cctttaccat

100201 tgtgtagtga ccttctttgt ctctttttat cattgttggt ttaaagtctg ttttatcaga

100261 gactaggatt gcaacccctg ccttttttca ttttccattt gcttgataga tcttcctcca

100321 tccctttatt ttgggcctat gtgtgtctct gcacgtgaga tgggtctcct gaatacagca

100381 cactgatacg tcttgactct ttatccaatt tgccagtctg tgtcttttaa ttggagcatt

100441 tagccccatt tacatttaag gttaatattg ttatgtgtga atttgatcct gtcattatga

100501 tgttagctgg ttattttgct cgttagttga tgcagtttct tcccggaatc aatggtcttt

100561 acaatttggc atgtttttgc agtggctggt accagttgtt cctttccatg tttagtgctt

100621 ccttcaggag ctcttgtagg gcaggcatgg tggtgacaaa atctctcagc atttgcttgt

100681 ctgtaaagga ttttatttct ccttcactta tgaagcttag tttgtctgga tatgaaattc

100741 tgagttgaaa ttccttttct ttaagaatgt tgaatattgg cccccactct cttctggctg

100801 gtagagtttc tgccgagaga tcagctgtta gtctgatggg cttccctttg tgggtaacct

100861 gacctttctc tctggctgcc cttaacattt ttttccttca tttcaacttt ggcgaatctg

100921 acaattatgt gtcttggagt tgctcttctc gaggagtatc tttgtggcat tctctgtatt

100981 tcctgaattt gaatgttggc ctgccttgct aggttgggga agttctcctg gatagtatcc

101041 ttcagagtgt tttccaactt ggttccattc tccccgtcac tttcaggtac accgatcaga

101101 tgtagatttg gtcttttcac atagtaccat atttcttgga ggctttgttc atttcttttt

101161 actctttttt ctctaaactt ctcacttcat ttcattcatt tgatcttcaa tcactgatac

101221 cctttcttcc agttggttga atcagctact gaagcttgtg catttgtcac gtagttctcg

101281 tgccatggtt ttcagctcca tcaggtcatt taaggacttc tctacattgt ttattctagt

101341 tagccattca tctaatcttt tttcaaggtt tttagcttct ttgcaatggg ttcgaacttc

101401 ctcctttagc tcagagaagt tttatcgtct gaagccttct tctctcatca aagtcattct

101461 ctgtccagct ttgttccatt gctggcgagg agctgtgttc ctttggacgg ggagaggtgc

101521 tctgattttt agaattttca gcttttctgc tctgtttttt ccccatcttt gtggttttat

101581 ctacctttgg tctttgatga tggtgacaca cagatggggt tttggtgtgg atgtcctttt

101641 tgtttgttag ttttccttct aacagtcagg accctcagct gcagatctgt tggagttggc

101701 tggaggtcca ctccagaccc tgtttgcctg ggtgtcagca gcggaggctg cagaacagca

101761 aatatttctg aacaccaaat gttgctgcct gatcattcct ctggaagctt tgtctcagag

101821 gggtacccgg ccgtgtgcgg tgtcagtctg cccctgctgg ggggtgcctc ccagttaggc

101881 tactcggggg tcagggactc acttgagaag gcagtctgta cgttctcaga tctcaaactc

101941 catgctggga gaaccactac tctcttcaaa gctgtcagac agggacattt aagtctgcag

102001 aggtttctgc tgccttttgt ttggctatgc actgccccca gaggtggagt ctacagaggc

102061 aggcaggcct ccttgagctg tggtgggctc cacccagttt gagcttcccg gacttttaaa

102121 actaacgact tttaaactat agtttgcatc agagtcacct ggggagctta ctagaatcca

102181 gatatgtgag ccttcccttc cccaagagat tcaggatcta tgcggcctgg catatgtact

102241 tgaacaagct cagtgaagag aaggtatgag gcattttata ccttagcatg gatttatata

102301 tttattttct ctcctttgtt ccaatattta tttattatcc ttgatctaga acttatttat

102361 ttagttttct aattgacaaa taaaaattgt atataatttt taattatata caattatata

102421 attgtatata attatataat tgtatataaa atatggtgta caacatgatg ttttgatata

102481 tgtatacaat gtggaatctt aattagtatg tatttaaata cctttataac ttcccaggag

102541 cagaaatatc aaacccaata agtgcatgcc taccaaacaa aggggatctc agattcgtgg

102601 cctacatatt aaatccagtt tagcccactg gtttaattgc tttagctaac accataaaaa

102661 tacactgtgt tgctttaact tagatgccct ggtttagaaa gggaatatat tctcctgcca

102721 gcccccattc tccttattgc caatctctgc aactttacag ctttgtgata cctgactggc

102781 ccgtgcaggt aagtgaattt ctaccccagg taagcaatta gagaattaga agagtagaaa

102841 aaccaagtga tttcccgaaa gtgagagcaa atcctcattg tagcctgtat cactgcttaa

102901 ccaaatcacc ctttcatgtg ggaaatcaaa acaacaatgt ttcctatatc aagatgtgga

102961 atttttctct ttcaaataat gtatgaaatt cactgtagca agtgatggca gctcacaggt

103021 tctggtcccc gactccctct gctaacctaa cctgcgttct gctgtgcccc tgccctgctt

103081 gagacaccta ttttgtgcct gtattctagt gggcagccca tccctcgagt ggaatacatg

103141 gaggaagaaa agaaaacatg gggcacagtg ttcaagactc tgaagtcctt gtataaaacc

103201 catgcttgct atgagtacaa tcacattttt ccacttcttg aaaagtactg tggcttccat

103261 gaagataaca ttccccagct ggaagacgtt tctcagttcc tgcagagtaa gtccacatca

103321 gggtcaatgg ccctgcagaa agttggggga ggattgaggc agaggagagg gaaggggaag

103381 acaagtatgt ggaggcaagt atgaaagcat gtgcttgtag gaatgcatgc aggttgattc

103441 ctccaggaag aactaaattt cactgtgctc tgccttccct ccagccccta ctgtgtttat

103501 ccactttcat tcaatcaaac acctgaggct gtggattttg ccgtgtacct gtccctgaaa

103561 agtattttct ttcacactta aagcccaagg tgcttcactg aggttttttt ttgttttgtt

103621 ttgttttgtt tgccctgtag ttcctgctgt gttatgagtt aggagtgtgt gtttgtgtaa

103681 gaaatgtgct attttcgggg atggtgccaa gagccctgag ctctgagtct gtgcatctgg

103741 tatgaatcct gccttcaatc ctctccagct gagtaaacct gcctcagttt tgtcatctgt

103801 caaatggaca ctgtatcaac tctttagctt ttcccatagg gaaattatga gaatgaagta

103861 aggtgctgca tatggaaaca accagcacag tcttgcatat acagcaggta ttcagtgaat

103921 ttggactgaa ttgaaatctg agtagcttaa taggtaagta cattgagtcg caagcctctc

103981 tgtacagtat atccaggtga aatgggtgtt actctttctg tcaagaggat gttaatttag

104041 caaaaacaaa ataatgaact agcacatatt gaacacctac tgtgtgccag gtagaataag

104101 cagaagtggg gagacagact acaggttaca aaattttcta tatatcagag ctgtgcagag

104161 atgggccact gtgggggcaa tgagccaggg aaattacttg gcaggaaggg aagttgtagc

104221 caggacagtt tgggggtgag ttagatgacc ttttgggtcc cttccattag aaagtctttg

104281 cttcttagat aaagaaggga gtaagggtcc aagcagagtg tgcttcagcc tgaagacaca

104341 gagaacatgg gggcaagagg caaggggatc tcaaagactt ctttagctaa ttacttccat

104401 tgccatggcc aataataaga ataataaaac agtaatacta gcagttggga agctacataa

104461 tagtaattaa gagaacagac tttgaagcta gactgcctgt ggctgtgacc ttgaataaaa

104521 cctttaacct atctctgtct cagctttccc atcggtaaag tgggcataat aaaagtgtct

104581 acttcatagg gctattgtgg ggattagtag catatctaaa gtagcttaaa acagtgtctt

104641 acatacagta ggtcaaatat agtgttagct attattacca ttatcactgt cactatcctt

104701 atcctccaaa gtttgcaaca aactgagaga cagatacagg aaccatagag atggtgatca

104761 gaggtcagct ttaaaattga gcgatttaga gaatgtgata tagatatgca cacaaatgga

104821 cttgctaata ttttacccct taattaggta aacttacctg ccaattcata gagcatagtc

104881 cattgcatgg ccaagagcag actggaatga ggtcctctgt gaacaatcaa gagagaaaga

104941 gcagtacaga aagagttaaa ttgacaatat tcatattctc ttcccaaatg ctccagtcag

105001 acaggtcact gctacttatg gggtagactg tgtgaggtgc agtacagaag ctggaagcac

105061 tctatccata ctcttccctt ctgggaaatg aggttcaaat tccctcttca ctctagaagc

105121 aggagaagta gggaatcatt gttccaccct aacaaatggt aatgaaagct aaatttattg

105181 catgtttcca atgtgctagg ctctgtgcta agtactttgt attcattagc tctttttatt

105241 cttggaacat ttctaagaag tatctatcca cattatgcag atgaggaaac tgaggctcag

105301 aaatgggaat ttacttgatc cagatcacct agctagaaag cagcgaggca gacatctgaa

105361 gccaagtctg cctagcgtca aagcctatgt ccctgggcag ttatgtgtac tactccacta

105421 cctaaaggtc tcctagtgcc tctgactcag tggtgatgag ctttgagttt tctttcttct

105481 tttcatccca gcttgcactg gtttccgcct ccgacctgtg gctggcctgc tttcctctcg

105541 ggatttcttg ggtggcctgg ccttccgagt cttccactgc acacagtaca tcagacatgg

105601 atccaagccc atgtataccc ccgaaccgtg agtactgtcc tccagctacc agttgccagg

105661 cacaatgagc gccatctttt cctgctgcaa gaatgaggtt tgggttcatt gctggctggt

105721 ccacaggact agttgtctag actgtttgct ggtagtacta aaaacaattc atctattctg

105781 gagatttgct ccatccaagt agatagacca gactgattgg agatttggtc atcctgtgat

105841 ccaataactc agaactccct tggcagtgag aatgagagat cccaatcaag ttccaaagtc

105901 aaagctacga agttgcaaat gagaacagga acaagtggca gccaagctat ctcaatactt

105961 cctaagtata catctagatt actcttatct ttctttgcct agattgtgta ttgggtagag

106021 gtagagaatt gcagccatta tgcttcttac ttgggtgttt cgttatcccc ttagtctgat

106081 aaaacttatg caacttataa aaaaattaat ggaacatcca aaattgtttt tccttgccca

106141 taaagttcat tgctacaaat ccaaaaagac ctgttccaaa tggacatagc acatacagtg

106201 ttaaataaat gtaggttttc ttccctcact gctgtccacc tccagactaa cagaagagca

106261 gcactgtttt tgttttagtt cccagtggaa tagctgagca tattgtatct gcccagggaa

106321 gtcaatacca gggagaagac aggatgagaa gtgttcatga ctcatagctc acttaggtat

106381 atgggagcat gtccacagga atattagctc ttctgcctgg taccccactg gggatactct

106441 taagaccctt ggctgctgtg ccctaccctg cacctgtctc ttatttttcc ttccttttct

106501 tctttttacc ttgtaccctg ccttttatga tcccaacctc tgcatatcac ttattcctgg

106561 gagagggatc ataagcctaa aagagttatt tccattcttt ctgcccattc ctcatgtaga

106621 aagactgagt ctggcttggc ttaaacctcc tcccctccga gctctctgtg ctttctgtct

106681 ttcagtgaca tctgccatga gctgttggga catgtgccct tgttttcaga tcgcagcttt

106741 gcccagtttt cccaggtaag gaatggattt tttagccttc tagttatagg tctgtgacct

106801 gaatttctca aatgagttga gcccagggag gggtcctcat gccctctgca agagcggaaa

106861 ccaggtacag ttctatgatc ccacctgaaa tgggtgtgtg gttctgggaa gctaaatacc

106921 catttcggag atcaagcatg gggttggtga atcactcatc ctctgaatca tatgtgtgtt

106981 cttcagtgta ctaatctcat ttttcctgct agagcctttc atccatgaaa gcctccctga

107041 ttcccatgca ggaactacct caccttcttc caatctctta gtacattccc cttacctttt

107101 cagggctgtt gcaactttct accttgtcag gcagttattt gtgtatatgc ttgaattaag

107161 tgaggtgaca tttgccaaga atccaatgct gataccctga cttagagtta acaaagaaaa

107221 aaatgagctg aatatcttat caccatcatc aaagctgcaa ccctgcaacc tagaatttca

107281 ttcatctttc acagtggtta acaagctcaa aaaaaagctt tctttttctt tttctttctt

107341 ttttttttct tttaaggcaa ggtctcactc tgtcacccag gctggactgg agtgcagtgg

107401 tataatcacg gttcactgca gcctcagact tctgggctca aacaatcctc ccacctcagc

107461 ctcctgagtg gctgggacta caagcacata ctttcatgcc tggctgaatg ttttaatttt

107521 tgtggagaca gagtctcact acattgctga ggctgacctc aaactcttgg cctcaatcct

107581 cccatctcac cctcccaaag tgctaagatt acaggcaaga gccaccacac ctggccaaaa

107641 aagaaagttt tgggctgagt aaaataatgc taccaattct ctccaggcac tgagaggcag

107701 cctaaaacca tggtttggta gctgggatca tgagaaggtt gaatggtgtt ctgatgtacc

107761 taggctccaa ccctgccact aaccagctgt gtgacctggg gttacattat cagccaccct

107821 gtgcctcagt tttaataaaa gtggatcagt caaaagccct ctccaccagt catcttcctc

107881 acaaagaagc acaagaatca aatggaatga cctatgagca aatgctgagc caagtattgg

107941 gatttcagaa taatgggatt gtgtgtgaat ttaatgggca ttttccctca gctggcagaa

108001 ataaacattc ccactgtcaa ataaagaagc taccactaaa tatttgaaac aaacaaacaa

108061 aaaagtggaa tttattgctt gctaagtgag ggaaaactgt acttgtaaga tgcagcctct

108121 ctaaacaaaa ggaaaattac ttttatgtga ggtttgggga attatggagt tcaaagatcg

108181 ttggactttt ggaagtggaa gtgtttcggg attagttgaa ctttaactgt agaagcatca

108241 ccaatgacat tcagaagtgt ggttactgct gccaagatat ctttgattgc ttgggacagt

108301 tttaaaatct ggatttgtta ctgtggccaa aaaacaatca gatttttcct tgaagaatag

108361 gaacctttta ttcttaccac cagaagttag tttacgaagt cagaggctaa gtggcagtcc

108421 tccttaagcc atttccactt tggggaaccc cacagaagag tggacagttg ctcaagtcaa

108481 caaacaggag ctcttggggc atcagtgtca catggttcca actttgatct ggacagttcc

108541 aaggcagcaa gtcatgttga aagtttcctg agaacattcc tttttgatca gaggcaggac

108601 ttgcttccca ctacagtaca ggatggagtg gggctggagc acagggaatg tggggccccc

108661 cttgttgtag gcaaactcta ggctcacaaa gaatggtgac taagagaaca aggcgccatt

108721 ttggtcttgg atttatcagt ggtttctagt tgaattgaga gagcagatcc aggctaagaa

108781 tttgaatttg gttcactcta aatcagaaag tattttataa gcctaatctg aaccaggctc

108841 tggacttggc ccagggagtg atatagagat gcagaccatg tagcttcttg cttcaaagtg

108901 ggtctaatca tagtcttcat ctctgtctac aagcactcct ctggtgatct cactcaattt

108961 catggcttta aataccatct ctactctgat gacggacaca tttacatctg cagccaagac

109021 ttcaatcccc aaattcagac ttgcatattg aattgcctat tcaacatctc cccttggatg

109081 tctataagac atctctaaca tcctatccaa aactgagttc tggatcttcc ttctcaaacc

109141 ttctccagca cagctttttc tattatcagt tcataggaat tccgcccttc cagctgatca

109201 aaccataagc actttgggac attaccaact cctttttctc ttaaccccac agccaatctt

109261 tcagaaaatc ctgtgtgttc taccttcaaa atatgtgtag agtctgacca tttcaattat

109321 gtctactgct accaacttgg tctcagccac tatcatttct catcctagtg actgcggtag

109381 cctcctcagt ggccccctct agtggtctct accctggacc cctccagtct ccatgtgttc

109441 tgtctacact cagcctctcc agtctcctgg tgtcccattt actctcaacc tctccagtgt

109501 cctggtgtcc cgtctacact cagcctctcc agtctccttg tgttctgtct accctccacc

109561 tctccagtct cctggtgtcc ctttaaccct cagcctttcg gtgccctggt attgtgtcta

109621 cactcagcct ctccagtctc ctggtgtcct gtttaccctc tacctctcca gtctcctggt

109681 gacctgtcta ccctcaacct ctccagtctc ctggtgtcct gtctactctc cgcctctcca

109741 gtgtcctggt gtcctgtcta cactcagcct ctccattctc ctggtgtcct gtttaccctc

109801 tacctctcca gtgtcctggt gtcttgtcta ccctcaacct ctccagtctc ctgatgtcct

109861 gtctacactc agcctctcca gtctcctggt gtcctgtcta ccctccacct ctccagtctc

109921 ctggtgtcct gtctatcctc aacctctcca gtctcctggt gtcctgtcta ccctccacct

109981 ctccagtctc ctggtgtcct gtctatcctc aacctctcca gtctcctggt gtcccatcta

110041 cactcagcct ttctagtgtc ctggtgtccc gtctaccctc cacctcttca gtctcctggt

110101 atcctgtcta ccctccacct ctccagtctc ctggtgtcct gtctacactt aacctctcca

110161 gtctcctggt gtcctgtcta tcctcaaccc cttcagtctc cttgttccct gtctaccctc

110221 cagtctcctg gtgtcctact ctaccctcaa cccctaccat ctcttggtgt cctgcctcta

110281 ccctcaactg ctaccatcta ttctcataca gcaggcagaa ggagtgcttg gtaacacaag

110341 tgagatcatg accatctatc tgctcattac cctgcaatgg ctcctgtttc actgaaagga

110401 aaaactcaag ccctaaaaca tctaaaaata ttctacatga tctggctctg gatccctctt

110461 tgatatcacc tgccactgcc ccctcactaa ttcttctcca gccacattgg ttcctccctg

110521 tgtcttgacc caaacaacgc tgccttttct tgggaaagaa atgcaagctt ttgcactggc

110581 tatatgcttg gccaacagtg tgcttccctc agaagtcagt ataaccaaca actccacttc

110641 cttcaagtct gtgctcaaat atgaccttct caatgatgct taccctggaa ccctatttaa

110701 aattgaagtc tcccctgaat cccctggagc tcttagtccc tcttgtttat ttcttctttt

110761 gtttcttctt tccaaagaac ttatattctt ctaacatagt tatgtatatg ttcattattt

110821 attgtctgtc tccactaaaa ctcacaagat gtctttactg attttataca ctgcctggca

110881 catcaaatga acttaataaa tattttgaga gtgaattaat atatacagta ggaaagacac

110941 atacacacaa ggcaggctgc agtaagtgct gtaaaagaga caatgagaca gtagaggaat

111001 tctgcaacag aagctgtggt gagaattaat ctatgatgtg ttagactctc cagctatata

111061 tatgcctgga ccgatgtcac cacttatctg cagttctcct gtgatgtttc cagggtacat

111121 gattaagact catttaacat tccaggaata ttctgctgat gaataatcac tgagctggag

111181 tcaagagaag aagctttaga tactaaccga ccctgtgatc atgagcaagt cacttccctt

111241 ctctgtgcct caatttcctc acttataaag tgaaaacaaa gggccaagtg agggtggaag

111301 gatcccccta ccctggagat ctgtgattct ataacatatg ggcaggaaag acttgataac

111361 acactcaggg tctatgtggg ctgttctgaa ggcatctggc cacccatcac ctttttatgg

111421 ccaagtacta ggttggttct gtggttccaa ttacaggaac agaacaggtt ctattttccc

111481 ccaattacag gaaattggcc ttgcctctct gggtgcacct gatgaataca ttgaaaagct

111541 cgccacagta agtcccttct ctccctgggt ggatggtgga gtgctatagg ctatggccct

111601 caggtctttg aaactttcct actcccctgg aagccaggtt atctggggaa aaaaatcaga

111661 atgtggtggg ttacatttgc acaagtgaaa cttcacattt tgatagattt ctccttaata

111721 atttgatttt gaaatcagct acctacagat gtttacatct cttaaatttt aagcagtatc

111781 ttgaacccac caacaggcta taatagtagc ccttgaaaac ccttggcata aagtgtgtgt

111841 atgaagtaat ctggatccag agctttgaac atggaatgtt tacatctcta cttttcacac

111901 cagagcatac attaggatct tttctttctc agacatgagg gagaaatggg ggtgggcttt

111961 ccccttcttg ctgaacactt tcctctcctg agtatatctg atgacacttg tccactgggg

112021 ctatagaagc aattctacat agcaggtgat ttccttcctt catactcgtt tctaatttta

112081 gtacatccca ccccagccac tagccacatt gcctgtcctg gaagttgaaa aataaacatt

112141 tataattgaa ttgtggactg ccaatgagtg caaatctatt attaagatat atcagtttag

112201 aagcttatga actcgttcca tcaaaaggct aaaaactccc agaaggttat cttctcactg

112261 acagctgctt tcaggtgctg gacaagtggc tttttcttcc tcatctctaa caatgggatg

112321 caatagctca tatcttgccc atctcaaagg caactaaaaa tttaactatt taaattgaat

112381 tatttaaatt tttgtgaaca tgggttttta aatgccagag gctacagaga tacaaggagc

112441 ggctttcaaa gaagttacag agctagatag aatttctcat ctctacaaag aaaataaact

112501 tggaagtcaa agcatcatgt tatctgccat aacaatatta aaatgactta tcaccaatgc

112561 gacttttcta aaaaattgtt actgattgaa aaaatgttac tgattggttg aggaacagtc

112621 ctggattctt gctgccctta atttgctgtg taactacatg catgttgcct taccttcctg

112681 ggctgaagac tcctcacctg tatgtgagga ggtcagactg actgagctct gacagccctc

112741 ccaggtttaa cattttctag tccaataaac agatgtaact aataacctac ccctaattct

112801 ccaaaactgt gactgtctcc agcagctaac tgagctctgg gttcctctta gccccagaac

112861 cccaatattc tttttttcag gccaactctc taggacatat tgaactgtca gttattgaaa

112921 gaaaagtact tggttatttg cataaatgca gtagttgact tcagaaacat ccccaagttt

112981 tagcatggat gatgggacat tctcctcact gattctatca ctacccagtc tgctacctcc

113041 cactgttgtg cctaatgagc tctgccagct tcagagcatc tgaggaacat ctcagtctag

113101 ttgacaccac agagaaaaaa acaaaagaga tggaggagtt cctgtcatat ggagaacata

113161 ttgttgggag cctccttttg gggcttctta gtacctcctg atattttcca tcatgcttta

113221 cattcagcca gcactcaaca ggtgactaga tagagtgaga cacaggacac agagacgtga

113281 tcacaggtca tgctgattca gagaacaaac ctgcacaggc ttctacctgg gcaatcctgt

113341 ccatggcact ggggcagttg ctgccttctc cttctttgag gtgtgtacta gtcaaagatc

113401 tccagagaga aagaaccagt gagatatata tagagagaga aagagagaga gggaaatctg

113461 agaggggact tattagggga attggcttac acagttatca aggctgagag gtcccacgat

113521 atgctgcctg caagctggag aacctgaaaa gtcagtggcg tagattagtc aaagttcaaa

113581 agcctcagaa ccatggaagt tgatggtata gctctcagtc tgagaccaaa ggcctgagaa

113641 cccctgggtg gtggttgggt gcgagtccca gaatccaaag gccagaaagc ctggagttct

113701 gatgtctaag ggtaggagaa acagggtgtc ctggttccaa gagagataga atacgtatgt

113761 ggctttcctc tgcctttttc ttccatctgg gattccagcc cattgggtgg ttcccgccca

113821 caatgaggaa agatcttccc cactcagtcc actgactcac atgccaatcc cctccagaaa

113881 caccctcata gacatagaca caccccaaaa taatgcttta ctatctattc aggtatccct

113941 tcatccagtc aaggtgacac ataaaattaa ccatcataga gtgtgctctc agattgactt

114001 tccattccag atttactggt ttactgtgga gtttgggctc tgcaaacaag gagactccat

114061 aaaggcatat ggtgctgggc tcctgtcatc ctttggtgaa ttacaggtat gaccttcaca

114121 ggaaccaagg atagatttaa aagtggtggg tacagaaaac cattattgtg ctttcaatat

114181 tgttgaaacc ctatttgtat ccgttttgat atgcaacctg ggaactcatt ctccagtgat

114241 tggtacctta gcagctatga tttgatgatg gctgtgggtt ttacagatag aaatggaatt

114301 gcaagtacac atatctctgg ggagaagggg cctcctgatt ccaaggctga cctatgcatg

114361 cagccttgtg agtatgcaaa cacatgccag aaagtgtggt tggctcccac gtcatctatt

114421 gaccacctta cttgaaagta attggaatga attactcctt tctcccttgg ctgtaggttt

114481 tagatgagct atgaagggta gaacctagta tgtgcaaagt aatttggctc acagcatttg

114541 ggctgtgatg tagaaggaat cggggtgaga tgagagaagg ggcacaaatg gcctatggga

114601 tgcagcaggg aatactgatc ctgatttaac agtgataata acttttcact tggggcctac

114661 agtactgctt atcagagaag ccaaagcttc tccccctgga gctggagaag acagccatcc

114721 aaaattacac tgtcacggag ttccagcccc tctattacgt ggcagagagt tttaatgatg

114781 ccaaggagaa agtaaggtga ggtggtgaca aaggtgagcc actagctctg ggggcctcct

114841 gactggtgcc actcatctgt gggtggttgg ccaggagagt ggactccaat gtctacagca

114901 actttgtacc atagacagtt tctctcccat gttctccacc ctccttttct tccgttctct

114961 gttggaaggt tgggcatgct gacctttgca cacacccctg ccacctggtc cctgttcaac

115021 gcaaccacca agtcaagaca ctgaaccctc ctgcatacag agtggccaca gaagtctccc

115081 cacaaaatca aagaagtctt ataacctagg aagtcctttc ttcactttct tctcccaaac

115141 acctacaaaa tttgcttcct cctttgtgtc tttacccaaa tttaatctct atatgtcttt

115201 ctctaaccaa cttatttcta ctcatccctg ccaccagtgc gtctgtaata cttattaact

115261 tgtaatatat tacataaggt aagctccatg agggtagaaa ttttgttctt tctattttct

115321 gtttttcctc cagcccctgg aacaatacct gacacagagt aagcactcaa taaataattg

115381 gtgaaggcat taatcccaga ggcagttcag caagaggctg atggagtggt tctgggactc

115441 tgagactgtt ggccctctga gtgcacagtt cctgcaccca agcaggagac agactgggca

115501 gagggtccac ctggacatga atatcctaat actcactgta tgttaccact taaaaaaatc

115561 ttatcagtga tggatgacag gcatggaaca tacaggcctt tgggagtcta tgacactggg

115621 tatgttagct ttcaacccta tctatggcct ctgagaggtc agaggaatgg aggggagtgg

115681 tgatagaata aatgacttct caaagaaatc cgcacttttg aaaagagaga catgagggag

115741 gaaagagaga cataagggag aaagtcaaag acaaatgaac atacatctta gtccttcctt

115801 tctaaatcca aattccatcc cccccagacc cctcacaaag aaaggtaaaa attatccttt

115861 tgccagctca ttcacttacc ttacatttgc aaggtaagat tgtgggacaa gacaggtcca

115921 gctaacattt gtttgagaac cctttggaat aaagagactt caaagaggac taactttctt

115981 tcttttaaaa tggatattcc ttaatttatg tctactatct ttagataatt aaaggtaaaa

116041 tgctggccca caaatccact tggtgtggcc taaaatgact atttctccag ctctgtccag

116101 agctctcaag tccttctggc tctgcttttt taattctctc ctaaactggg agcctagcct

116161 ccttccagca tcatccccct ctccctccaa ggcccaaggt ttggacccag gcattggagc

116221 ttagaggcag tgctgatgag caccctgtca tgccaagatc acatttggat gggccctcct

116281 ggagacaact ctctaaccag caagtgatca gtcccagacc agcagggaag agcttgccag

116341 gaaacaggcc tgtcagtacc gaggcctcaa gggaaacaac catgaaaacc ccattctgct

116401 gagaagtggc tcagagaatc aaagagaatg ctaaagaaca gagttcaaaa caaggaatct

116461 gcacatccct ttggattccc tcaaagcatc tcagccaaga gaaaccaatt ctaaccactt

116521 ggagttttaa gattcaagtt gtaggcagag atgtgattgg ctgagcatgg ttcacatgct

116581 acctcctttc cagaggaggg ctggcaccga atactgactt ctggactgat acacacctag

116641 tagggtaggg gtaaatcacc caaagcaaaa atgagctgct ttatgggaag aaggaggaag

116701 aggtgcagag caggcaaaat cacagatgtg taacatgtgg ctcatgccac cagctgggtt

116761 gagacagctc ctttcagaga agaaggggtg gaaatatata cttggccatt tgttcttcat

116821 gaaagatagc aactaacact catagggcac ttacaccata gtataacagc atttgctgca

116881 accccctgag gcaggtacca ctaatgcccc aattttacag aggaaattgg ggtacagaag

116941 agtggtcccc tgtgcccatg gtcacaaggg ccataataga cagaggcagg gtttcagccc

117001 aggcagcttg acttggaact tggggagcca ctcttgccaa acttggaggt ccctactgtc

117061 tcccgtaaca ttgtattttc agtacagcag cttataggtt caccagaggc caacttagaa

117121 atctgtgatt actttgcaac atcttgttaa tggtattgca tgatgtccct catagaggcc

117181 ctcatggtgg atttctccca gatccaggag taaggcactg ggaaggcagg aaagcaaagg

117241 gtccaggcca gtgtcagact gcctgggttc cttcccagct gcataactta ctgacagtat

117301 ggccttagta gtcacgcagc cttcccaagc ctgtttcctc atccataaaa tgggtatagc

117361 aatggtgcct ttctcctaag gtttttgtga aggttaaata aggaaggata tttgtaaaga

117421 gcattggaca gttagaactt aacatagttc ttggaacata gaaggtactc catcaatgtt

117481 aaatttcatt attaacatag tgctttcttc accacttgag agctatttcc ctctgcattg

117541 attgtcaacc atttcagagc ttttttccct ctatatagca ttctttagct agattttact

117601 tactcttgat tttatttaat gataggagtt tgtggcttta ttgtattcag tagtttcatt

117661 gtaagctatc tctgtcttct tggagccagg ggactaaata aacatgtgta tatatgtgtt

117721 tgtacataca catacacaca tacagaggct tcccaagaag actcattaaa actccattcc

117781 ccccgcctca gccctggctg ttgaagaccc tgctctaggg aggtgtccgt gttcctaaaa

117841 aagaagtaaa atgccactga gaactctctt aagactacct ttctccaaat ggtgcccttc

117901 actcaagcct gtggttttgg tcttaggaac tttgctgcca caatacctcg gcccttctca

117961 gttcgctacg acccatacac ccaaaggatt gaggtcttgg acaataccca gcagcttaag

118021 attttggctg attccattaa cagtaagtaa tttacacctt acgaggccac tcggtttctc

118081 agtaatcgaa gactgtcttt ccctaccatc gccataggaa aaataataaa tttattgaaa

118141 tatttaatta aggagaaaag cacctccatg taagccatgg gttcattgat ggagaagaac

118201 ttgacaaaaa ggtcagaatt acccttgtgt cctttttcct ttgaccttcc tagattccac

118261 tccacctcct accatcattc cacctttcca cacttggtct gtcactgcca tgttcctttt

118321 tctccctcgc ctctccatcc cttctacgct aagtgtccag ttgttatcac tctgcctggt

118381 tctatccact ttataagctg tccagtggct catctgttgg ccttccactc ttccttcata

118441 atgagaatat tataataatt gcccttaaga atatcacagg gttacctcat ttatcacctg

118501 attatctctc tagcccttca tactctcttc cagcaacact gatcaatttt tagttctcat

118561 gctctttcca gactcctaac ccttgcccat gcagttgttt atgtttaaaa tgttctcctt

118621 tccaatctca tttacctggt atgtgaagac atagcataaa tggaaggctg catcacacct

118681 tcatccagtg atcttgccat ctagactgag ttatctgctt agaccatgga ttctaaaatt

118741 tgaatgtgca tcagaatcaa atgaaaagcc agctaaaaat taatagcttt gagtcatagc

118801 caaggctaaa tttaccaaat ttgtgataac ttttgggagt ttatagacct caggtgattc

118861 tgacactaga gttttgtgtg aaccatacta ttaggttcaa tgatttcgct tcttgtagca

118921 tatgcagatg gtaatgtaaa agagaaatgg aacagctaat gatttgcctg gggagagacc

118981 tgttaagtcc ttccctggga agtgacctat ggaaaaggga tgctgattac attaatggct

119041 ctggcatttt ctaaaacatg caagtactta taccataatg aggctgtaag ctccttgaaa

119101 gttggggtgg cacccagctc atccaagaag cccacttatc ccctagtgct ttgcactgag

119161 gacacttgaa gagtttttgc ttattataca agtggcccat tttgatggtg tttttctttg

119221 taggtgaaat tggaatcctt tgcagtgccc tccagaaaat aaagtaaagc catggacaga

119281 atgtggtctg tcagctgtga atctgttgat ggagatccaa ctatttcttt catcagaaaa

119341 agtccgaaaa gcaaacctta atttgaaata acagccttaa atcctttaca agatggagaa

119401 acaacaaata agtcaaaata atctgaaatg acaggatatg agtacatact caagagcata

119461 atggtaaatc ttttggggtc atctttgatt tagagatgat aatcccatac tctcaattga

119521 gttaaatcag taatctgtcg catttcatca agattaatta aaatttggga cctgcttcat

119581 tcaagcttca tatatgcttt gcagagaact cataaaggag catataaggc taaatgtaaa

119641 acacaagact gtcattagaa ttgaattatt gggcttaata taaatcgtaa cctatgaagt

119701 ttattttcta ttttagttaa ctatgattcc aattactact ttgttattgt acctaagtaa

119761 attttcttta agtcagaagc ccattaaaat agttacaagc attgaacttc tttagtatta

119821 tattaatata aaaacatttt tgtatgtttt attgtaatca taaatactgc tgtataaggt

119881 aataaaactc tgcacctaat ccccataact tccagtatca ttttccaatt aattatcaag

119941 tctgttttgg gaaacacttt gaggacattt atgatgcagc agatgttgac taaaggcttg

120001 gttggtagat attcaggaaa tgttcactga ataaataagt aaatacatta ttgaaaagca

120061 aatctgtata aatgtgaaat ttttatttgt attagtaata aaacattagt agtttaaaca

120121 atttcactgt ttcagttatt tcctggaatg aaatattcct ctcactgcct tagaaataca

120181 ttagctagat agttttgtaa catgagaaaa tggccagagg ctcatatctc caaccctttg

120241 caggggctcc ttgtgacact caaagtcatg cctggacagt caacggactt tgacttttgt

120301 tgattgtgtg tttgccatga aaacatgaat atctgagaag cagtggggag aaaaaaaaca

120361 atatctttgt agctatgatt tgaaattctc atactacttt acattttatt ttggaaatag

120421 ttaagtctta aagaatttgc atagtgtttc tttgagttta gttctcagaa cagctgtagt

120481 atcatcaaca gcaaattctg ggtaccttcc cagctccacc caatttgaat ctctgaagat

120541 aaggcccaga gacctgtatt tttaagtacc ccattttttt aattattcat agccaaattc

120601 tatcaggtac attcagtttg agaaaacctg atttgtggtg gtcagtctgc cactgccaat

120661 gatgtcaatg tggataagct gtttcccttc tttagacctc agtgtcactc taacaatgag

120721 ggagttaaac tttataaacc aaggtccatt gcagccttga aatatgattc aagtgttcat

120781 atgtgtcttt atatagctat gcctgatcca ctgatggggt gttacaatac ctgcttatat

120841 atgccagctg ggaggaaaga ggaatttact gaatgtgtct gaagtttcat tgttttgaag

120901 ttggaatttt atgcctgtat ctatgtttat gcctttgtaa aacccactga ttttaaaagt

120961 gaaaaaggac ttttttctct gcttttactc taaacaccaa acaatccctg caaagggatt

121021 attctgatgt ttcttcattt cacatgaaaa gttaattatt gactctggaa cttaaatatt

121081 agataatatt tttgacaata ttgaagagtg agttttagtc cagtaaagat gttttaatga

121141 gcttgaaggt aaagtttcgg ttaagttatg attttcacag gaagttacat actgaatgaa

121201 agataatatt tgtatttttg gtaatgtgct actcagttct tagctctttt ttatccagat

121261 ataaaagccc agtctatagc tatgggattt aataaatttc caatatgtaa gtgtttttat

121321 ttgtttaatt tctagtaaat gagcaatatt ttagaaacag tatcagtctt tactgacaga

121381 tgatcttgct gagtacaatc aaaataaata cataaaaaat tctaagcatg tggcattgat

121441 gtttaataag tttctgaaag taggaatctg aattttaact gtaggtttct aagttatata

121501 atttagttgt gtttcaaaaa atccaccaat aaaatgtcag ctttataaaa aca