Pseudocode

findFreqWord(string src):

src = remove special characters from src

wordlist = split src by white space

wordSet = stores a set of words with their current frequency

for w in wordlist:

if w is not in wordSet:

add w to wordSet with frequency of 1

else:

increase w frequency by 1

highest = stores the highest frequency found so far

FreqWord = stores the most frequent words

for w in wordSet:

if w frequency is greater than highest:

set highest to w frequency

clear FreqWord

add w to FreqWord

else if w frequency is equal to highest:

add w to FreqWord

return FreqWord

findOrigin(string DNA):

integer GNum, CNum – stored the current number of G and C nucleotides found

integer GHigh, GLow – stored the index in the DNA string

for n in DNA:

if n is C:

Cnum +=1

if n is G:

GNum += 1

If Gnum – CNum > GHigh:

GHigh = n index

If Gnum – CNum < CLow:

CLow = n Index

Return CLow