REPEATING STRING MATCH

In this problem, we are given two strings a and b, and own job is to return the number of times a needs to repeat for b to be its substring.

Olwiously, be cannot be a substring of a unless the length of a repeated q times is greater than b's length. So we ramp up a until it repeats enough q times such that its length is greater than b's length. Then we check if its a substring, if it isn't then we check for q+1 times as well.

int repeated String Match (string a string h) {

int q = 1;

string s = a;

for l; s length() \(\text{a length()}; \q ++) \(\text{i} \)

if (s.find(b) \(\text{l} = \text{string}; \text{npos}) \(\text{l} \)

return q;

5+= a ;

if (s. find (b) ! = string :: ryros)
return q+1; return -l;