PLZ find the hidden order

Team ID : 38
Topic : DP or Some
Description :

     Oude is a freak . He loves order so much that he does everything in order . For example :Every time he does a test , he goes from problem 1 to the end . However , he always gets a poor grade for the reason that whenever a difficulty appears he is trapped and can't go on the other question . He is depressed . PLZ help teaching him ; that everything has a hidden order , whenever there is a disorder , we can skip first , pretending not to see that , and go through to meet the optimized order .

Input & Output format :

     The first line contains one integer, n (Number of problems), with n ≤ 10000. Each if the following n lines contains one string. We should find the longest order hiding in the string .

     Output are the lengths of the hiding orders , separated by line .

input: afijhsogtih

output: 4+1+1=6

input: fjhgjdshfifhgjkr

output: 1+1+1+1+3=7

Sample input & output
input:
5
idrufhgkaenfdvzxcghz
sxdfgxfhh
zdrgh
dfgz
rgdgzfg
output:
8
4
3
4

Time & Memory limits：
Time: 1s
Memory: 128MB

Score:

Testdata1 (10%)
Testdata2 (30%)
Testdata3 (60%)