

# 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  $n \leq 10000$ . 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

3

Time & Memory limits :

Time: 1s

Memory: 128MB

Score:

Testdata1 (10%)

Testdata2 (30%)

Testdata3 (60%)



