

Score

Extracted from: UVa Online Judge

Source file name: score.py

Time limit: 3

There is an objective test result such as "OOXXOXXOOO". An 'O' (O Letter) means a correct answer of a problem and an 'X' means a wrong answer. The score of each problem of this test is calculated by itself and its just previous consecutive 'O's only when the answer is correct. For instance, the score of "OOXXOXXOOO" is 10 which is calculated by "1+2+0+0+1+0+0+1+2+3".

You are to write a program calculating the scores of test results.

Input

Your program is to read from standard input. The input consists of T test cases. The number of test cases T is given in the first line of the input. Each test case starts with a line containing a string composed by 'O' and 'X' and the length of the string is more than 0 and less than 80. There is no spaces between 'O' and 'X'.

The input must be read from standard input.

Output

Your program is to write to standard output. Print exactly one line for each test case. The line is to contain the score of the test case.

The output must be written to standard output.

Sample Input	Sample Output
5	10
OOXXOXXOOO	9
OOXXOXXOO	7
OXOXOXOXOXOX	55
OOOOOOOOOO	30
OOOOXOOOOXOOOOX	

Note: Using loops is not allowed. Your program must be recursive.