

Problem C: Cubby Holes

Filename: cubbies

Time Limit: 1 second

For the dorm, Mary Kate wants to keep tabs on everyone's belongings. She is proposing that each camper place a single item in a cubby hole. The cubby holes are lined up in a row. Unfortunately, some of the cubby holes are already taken and the campers, being suspicious of each other initially, have agreed to make sure that no two successive cubby holes will contain items. So if an item is already in a cubby hole numbered x (in the order on the row), then cubby holes numbered $x-1$ and $x+1$, if they exist, must be empty.

Problem

Given the current state of the cubby holes (empty or full), determine the maximum number of additional items that can be added to the cubby holes adhering to the rules agreed upon by the campers.

Input

Input will begin with a single integer c representing the number of test cases that follow.

Each test case is a single string, s , on a line by itself and each character of s will either be '.' (empty cubby hole), or 'x' (filled cubby hole).

Output

For each test case, output a single line containing the maximum number of additional items that can be added to the cubbies.

Input Bounds and Corresponding Credit

100 Points
<ul style="list-style-type: none">• $1 \leq c \leq 25$• $1 \leq s \leq 50$, all characters of s are '.' or 'x'

Samples

Input	Output
3	1
.	3
.....	0
.x...x.	