

# Coder Express Le!!

Rahul was travelling to Amritapuri in Coder Express to participate in Programming Contest. On his way he met a girl named Meenamma. Meenamma was beautiful and also very good in programming skills. She was busy in solving a problem.

Rahul find this an opportunity to help her and impress her. He asked her about the question. The question was you have been given a string and you have to count the number of capital letters in the string which are preceded by a lowercase letter. Can you help Rahul to impress her?

## Input

First line contains an integer T that represents the number of test cases. Then follows the T lines each containing string of no more than 1000 characters. The string contains letters only and no special characters.

## Output

For each test case, print only one line, the output of your program.

## Example

### Input:

```
2
MeeNaLocHn
ArgaSundaRam
```

### Output:

```
3
2
```