

5968 My Visit to Spring Secret

Last year in ICPC Kanpur, we introduced you to the story of well-known programmers' mythology Spring Secret. If you never heard of this, don't bother just yet. It is not really important for the purpose of solving this problem. This year, powered by an assumption that this mysteriously unknown object is a place, I myself have decided to visit it. But being the puzzling mythology that it is, I don't really know if I will be able to recognize a spring secret when I see one. Your task is to help me there.

In the context of this problem, let's assume I have visited a series of places. Each city has a single capital English letter label. This label is not any unique identifier so multiple places may have the same label, don't get confused about that. Now we somehow know that if two consecutive places that I have visited has a label 'S' then the first place is a Spring Secret. Whereas if a place with label 'S' is followed by a place with any other label than 'S', then the first place is an Winter Obvious. Please report the count of Spring Secret and Winter Obvious for each test case.

Input

There will be at most 100 test cases in the input file. Each case is contained in a line by itself that contains a series of capital English letters together. You can safely assume that there will be no blank space, punctuation marks or any invalid character in a test case. Each letter describes the label of a place as described above. The places are given in chronological order of my visit. You can also assume that I shall visit between 2 and 50 places in a single test case.

Output

For each test case, print a line in the format, 'Case X : Y / Z ', where X is the case number, Y is the number of Spring Secrets while Z is the number of Winter Obviouses present in the test case.

Explanation of the first sample case:

In the first sample test cases, the 2 S at position 8 & 15 are Spring Secrets while the 3 S at position 1, 9 and 12 are Winter Obviouses.

Sample Input

```
2
SABCDPGSSMNSTRSS
SSSSS
```

Sample Output

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Case 1: 2 / 3
Case 2: 4 / 0
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