

5036 The Story of Spring Secret

In the Programmers' Mythology, the story of Spring Secret is very widely known. Though the actual identity of it is not very well defined in the myth which plays a major role to make it such a huge secret. Some says it is related to the seasons while some other thinks it might be referring to a natural fountain. Of course, there are a few who believe that it might well be a person as well. But as it has been an unsolved mystery and a wonder for such a long time, let's stay away from the definition which may end up only confusing us.

Though it is unsure what this Spring Secret actually is, it is well known that this mysterious Spring Secret has a great involvement with the hilsha fish. It is said that you will find the term 'hilsha' a good several times in any texts related to Spring Secret. Let us not concern ourselves with this Hilsha fondness of Spring Secret for now. Rather we shall analyze some texts from the original Spring Secret myth and try to find how many 'hilsha' we can find.

Input

The input file begins with an integer $case$ ($1 \leq case \leq 60$) denoting the number of test cases.

$case$ test cases follows. Each case has two lines. The first line is an integer n ($1 \leq n \leq 100$), denoting the number of words in the text of this case. The next line contains n space separated words. The words consist of lower case English characters only.

Output

For each test case, print a line in the format, 'Case X : Y ', where X is the case number and Y is the number of times the word 'hilsha' is found in the text.

See the sample input/output for exact formatting.

Sample Input

```
2
5
abc hilsha def hilsha hilsho
2
hilsha hilshaa
```

Sample Output

```
Case 1: 2
Case 2: 1
```