

string!string!string!

Question

Dr.Lee is NTTU professor, he is very busy, so he wants to know how many students are in his class. He has a list of students' name, but he doesn't know how many students are in his class. He wants to know how many students are in his class, so he asks you to write a program to help him.

Now you are given a list of students' name, and you need to count how many students are in his class.

Notice: There will be same name in the list, but they are same person.

Input format

The first line is an integer T ($1 \leq T \leq 10$), which means the number of test cases. After that, T lines follow, each line contains a string S ($1 \leq |S| \leq 10^5$), which means the name of the student. Each name will split by a space.

Output format

Output the case number and the number of students in his class.

Sample input

```
2
Turing Ophelia Polonius Oppenheimer Ada-Lovelace Jürgen-Schmidhuber Turing
Markov Poisson John-von-Neumann Wiesner Bennett Gilles-Brassard
```

Sample output

```
Case #1: 6
Case #2: 6
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