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# Registration AZ101

? Ask Doubt

Time-Limit: 1 sec    Score: 100.00/100    Difficulty :

Memory: 256 MB    Accepted Submissions: 100

## Description

Being the site administrator, you need to register the people on the website. A person registers with his name, S. If the name does not occur in the records, the person gets registered on the website and “OK” is shown. Otherwise, if the record already exists, print the name along with the number of times the person has registered on the website before, without any spaces.

## Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains one integer N - the number of people who register.

Each of the next N lines contains a string S - the name in lower case alphabets.

## Output Format

For each test case, print “OK” if the person registers for the first time. Otherwise, print the name along with the number of times the person has registered on the website before, without any spaces.

## Constraints

$1 \leq T \leq 10^5$

$1 \leq N \leq 10^5$

$1 \leq |S| \leq 30$

It is guaranteed that the sum of N over all test cases does not exceed  $10^6$ .

## Sample Input 1

Copy

```
2
4
harry
ron
harry
hermione
3
abc
abc
abc
```

C++14[GCC] ▾

Submit

1

Typesetting math: 100%