

WC '97 P4 - Typing

Time limit: 1.0s **Memory limit:** 16M

1997 Woburn Computer Programming Challenge

With the introduction of computers in today's life, typing skills are essential for all. As a result, one of the typing teachers has a booming business. Yesterday, however, she made the mistake of specifying the following test for her students: "Type lines of 26 characters each, such that each letter of the alphabet occurs only once."

Now that she sits at home and wants to mark the tests, she discovered that instead of typing the alphabet in order, most took the liberty to type a permutation (reordering) of the alphabet.

What she would like you to do is write a program which marks the tests for her, meaning that you have to check for each line of characters whether it is correct, i.e. whether it is really a permutation of the 26 **lowercase** letters of the alphabet.

Input Specification

The first line of input contains an integer N specifying the number of test cases. Each test case is one line of test, no longer than 80 characters.

Output Specification

For each test case, you should create a single line of output. The output should read `OK.` if the input is exactly a permutation of the 26 lowercase letters of the alphabet, and `Nope.` if it is not.

Sample Input

```
4
abcdefghijklmnopqrstuvwxy
zyxwvutsrqponm and so on
thequickbrownfxjmpsvlazydg
And now, for something completely different.
```

Sample Output

```
OK.
Nope.
OK.
Nope.
```