

Up-wards

Filename: upwards

You love finding random properties in words and recently, you've been fascinated with "Up Words", words that already have their letters in sorted order, with no repeated letters. In order to aid your search for these words, write a program that can automatically discern if a word is an "Up Word" or not.

The Problem:

Given a string with all lower case letters, determine whether or not the letters are distinct and in alphabetical order.

The Input:

The first line of the input will contain a single positive integer, n ($n \leq 1000$), representing the number of words you'll evaluate. The following n lines will have a non-empty string of lowercase letters of length 26 or less, each.

The Output:

For each string, either output "YES" on a single line or "NO" on a single line, depending on whether or not the corresponding string is an "Up Word" as previously defined.

Sample Input:

```
5
act
cat
cry
cell
tux
```

Sample Output:

```
YES
NO
YES
NO
YES
```