

# Inc Match Two

Input file:            **standard input**  
Output file:        **standard output**  
Time limit:        0.25 seconds  
Memory limit:     4 megabytes

You are given a sequence  $s$  of lowercase Latin characters, on which you can perform the following operation **any** number of times:

- Choose any occurrence of a letter other than ‘z’ and replace it with the next letter in alphabetical order\*; then, as long as there are two or more adjacent identical characters, delete them.

Determine whether it is possible to make the string empty.

## Input

The first line of the input contains a single integer,  $t$  ( $1 \leq t \leq 10^4$ ) — the number of test cases.

The only line of each test case contains a string,  $s$  ( $1 \leq |s| \leq 51$ , ‘a’  $\leq s_i \leq$  ‘z’) — the character sequence.

It is guaranteed that no two adjacent characters in  $s$  are equal.

It is guaranteed that the sum of  $|s|$  over all test cases does not exceed  $2 \cdot 10^5$ .

## Output

For each test case, output “YES” if it is possible to make the string empty or “NO” otherwise.

You may output the answer in any letter case (upper or lower). For example, the strings “yEs”, “yes”, “Yes”, and “YES” will be recognized as positive answers.

## Example

standard input	standard output
11	NO
a	YES
ab	NO
abc	YES
abca	NO
abcba	YES
abcab	YES
adabc	NO
azabc	YES
azbac	YES
zabcd	NO
azabz	

## Note

In the first test case, the string cannot become empty.

In the second test case, the first character can be replaced with ‘b’ to match its neighbor.

In the third test case, no sequence of operations can empty the string, as either ‘a’ or ‘c’ will remain.

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\*For example, ‘a’ becomes ‘b’, ‘b’ becomes ‘c’, etc.