

Problem A. YES or YES?

Time limit 1000 ms

Mem limit 262144 kB

There is a string s of length 3, consisting of uppercase and lowercase English letters. Check if it is equal to "YES" (without quotes), where each letter can be in any case. For example, "yES", "Yes", "yes" are all allowable.

Input

The first line of the input contains an integer t ($1 \leq t \leq 10^3$) — the number of testcases.

The description of each test consists of one line containing one string s consisting of three characters. Each character of s is either an uppercase or lowercase English letter.

Output

For each test case, output "YES" (without quotes) if s satisfies the condition, and "NO" (without quotes) otherwise.

You can output "YES" and "NO" in any case (for example, strings "yES", "yes" and "Yes" will be recognized as a positive response).

Examples

Input	Output
10	YES
YES	YES
yES	YES
yes	YES
Yes	YES
YeS	NO
Noo	NO
orZ	NO
yEz	NO
Yas	NO
XES	

Note

The first five test cases contain the strings "YES", "yES", "yes", "Yes", "YeS". All of these are equal to "YES", where each character is either uppercase or lowercase.