Problem D. 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 ($1 \le t \le 10^3$) — 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 Noo orZ yEz Yas XES	YES YES YES YES YES NO NO NO NO NO

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.