Given a lowercase Latin character (letter), check if it appears in the string codeforces.

Input

The first line of the input contains an integer t (1 ≤ t ≤ 26)-the number of test cases.

The only line of each test case contains a character c- a single lowercase Latin character

(letter).

Output

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

quotes) otherwise.

You can output the answer in any case (for example, the strings "yEs", "yes", "Yes" and

"YES" will be recognized as a positive answer).