

## A. Mirrored String I

time limit per test: 1 second  
 memory limit per test: 256 megabytes  
 input: standard input  
 output: standard output

The gorillas have recently discovered that the image on the surface of the water is actually a reflection of themselves. So, the next thing for them to discover is mirrored strings.

A mirrored string is a palindrome string that will not change if you view it on a mirror.

Examples of mirrored strings are "MOM", "IOI" or "HUH". Therefore, mirrored strings must contain only mirrored letters {A, H, I, M, O, T, U, V, W, X, Y} and be a palindrome.

e.g. IWWI, MHMH are mirrored strings, while IWIW, TFC are not.

A palindrome is a string that is read the same forwards and backwards.

Can you tell if string  $S$  is a mirrored string?

### Input

The first line of input is  $T$  – the number of test cases.

Each test case contains a non-empty string  $S$  of maximum length 1000. The string contains only uppercase English letters.

### Output

For each test case, output "yes" (without quotes) if the string  $S$  is a mirrored string, otherwise output "no".

### Example

input	Copy
3 IOI ARABELLA RACECAR	
output	Copy
yes no no	

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- ICPC Assiut Advanced Newcomers 2023 Contest 2
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Practice



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Start virtual contest

#### → Submit?

Language: GNU G++20 11.2.0 (64 bit, w)