

Nice Words

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

points: 100 · problem code: interestingwords · author: Parsa

Your task is to figure out which words are nice with Parsa's defenition of nice!

Input

The input consists of a single string of uppercase letters A-Z. The length of the string is between 1 and 10 characters, inclusive.

Output

Print YES if the word is nice. Otherwise print NO.

Constraints

$$1 \leq |S| \leq 10$$

Example 1

Input

NICE

NO

Example 2

Input

WORD

NO

Example 3

Input

TAXI

YES

Example 4

Input

WAVE

YES

Example 5

Input

YES

NO

Example 6

Input

NO

NO

Example 7

Input

COCO

YES

Example 8

Input

CUB

YES