

Vowel Palindromes

A *palindrome* is a sequence of letters that reads the same forwards and backwards. You are given a word phrase containing just capital letters and spaces. If you consider just the vowels in the word – A, E, I, O, U, or Y – do they form a palindromic sequence?

For example, the phrase "WHAT IS THAT" contains three vowels, which when read from left to right in the phrase are "AIA"; this forms a vowel palindrome.

Here's another example, "ONE TO HIT ON ELBOW" contains the vowels (in this order) "OEOIOEO" which is a vowel palindrome.

Input (vowels.txt)

The input consists of a single line of characters containing capital letters and spaces. There will be no more than 40 characters in the input.

Output

The output consists of the phrase "X IS PALINDROME" or "X IS NOT A PALINDROME" where "X" represents the vowels in the original phrase.

Sample Input and Output

Input	Output
WHAT IS THAT	AIA IS PALINDROME
ONE TO HIT ON ELBOW	OEOIOEO IS PALINDROME
WHY NOT UNDO IT	YOUOI IS NOT A PALINDROME
PROGRAMMING CONTEST	OAIOE IS NOT A PALINDROME
WPI	I IS PALINDROME
SHAKE IT OFF BOY	AEIOOY IS NOT A PALINDROME