

Odd Palindrome



We say that a string is *odd* if and only if all palindromic substrings of the string have odd length.

Given a string s , determine if it is *odd* or not.

A substring of a string s is a nonempty sequence of consecutive characters from s . A palindromic substring is a substring that reads the same forwards and backwards.

Input

The input consists of a single line containing the string s ($1 \leq |s| \leq 100$).

It is guaranteed that s consists of lowercase ASCII letters ('a'–'z') only.

Output

If s is *odd*, then print "Odd." on a single line (without quotation marks). Otherwise, print "Or not." on a single line (without quotation marks).

Sample Input and Output

amanaplanacanalpanama	Odd.
madamimadam	Odd.
annamyfriend	Or not.
nopalindromes	Odd.