

Problem G. Longest Palindrome

Time limit 2000 ms

Mem limit 1048576 kB

Problem Statement

You are given a string S . Find the maximum length of a contiguous substring of S that is a palindrome.

Note that there is always a contiguous substring of S that is a palindrome.

Constraints

- S is a string of length between 2 and 100, inclusive, consisting of uppercase English letters.

Input

The input is given from Standard Input in the following format:

S

Output

Print the answer.

Sample 1

Input	Output
TOYOTA	5

TOYOT, a contiguous substring of TOYOTA, is a palindrome of length 5.

TOYOTA, the only length-6 contiguous substring of TOYOTA, is not a palindrome, so print 5

.

Sample 2

Input	Output
ABCDEFGG	1

Every contiguous substring of length 1 is a palindrome.

Sample 3

Input	Output
AAAAAAAAAA	10