ICPC Assiut University Community





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M. !Palindromes

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

Everybody loves palindromes, but Artur doesn't. He has a string S that consists of lowercase English letters (' a' - ' z').

Artur wants to find a substring T of S of the maximal length, so that T isn't a palindrome.

Input

The input contains a single line, containing string S. String S ($1 \le |S| \le 100000$) consists of lower case English letters.

|S| donate the length of the string.

Output

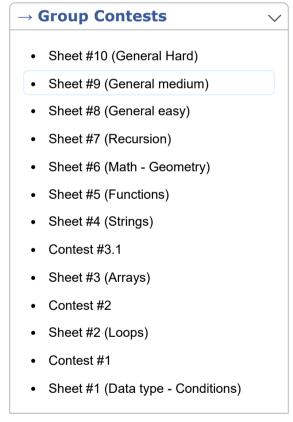
print the length of T

Example

Example	
input	Сору
aba	
output	Сору
2	











This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the <u>link</u>.