
Problem

A string s is called a good string if and only if two consecutive letters are not the same. For example, **ab**~~c~~**ab** and ~~c~~**d**~~a~~ are good while ~~a~~**b**~~a~~**a** and ~~a~~**c**~~c~~**b**~~a~~ are not.

You are given a string s . Among all the good substrings of s , print the size of the longest one.

Input format

A single line that contains a string s ($1 \leq |s| \leq 2 \cdot 10^5$).

Output format

Print an integer that denotes the size of the longest good substring of s .

Sample Input	Sample Output
ab	2

Time Limit: 1

Memory Limit: 256

Source Limit: