

## Problem B. Repetitions

**Time limit** 1000 ms

**Mem limit** 524288 kB

You are given a DNA sequence: a string consisting of characters A, C, G, and T. Your task is to find the longest repetition in the sequence. This is a maximum-length substring containing only one type of character.

### Input

The only input line contains a string of  $n$  characters.

### Output

Print one integer: the length of the longest repetition.

### Constraints

- $1 \leq n \leq 10^6$

### Sample

Input	Output
ATTCGGGA	3