

CSES Problem Set

Repetitions

TASK | [STATISTICS](#)**Time limit:** 1.00 s **Memory limit:** 512 MB

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

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

Example

Input:
ATTCGGGA

Output:
3

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