DNA Sequence Repetitions

Problem ID: dnasequencerepititions

Time Limit: 1 second
Memory Limit: 256 MB

In a distant research facility, scientists are studying an ancient DNA sequence from a long-extinct species. As they analyze the genetic code, they notice that certain stretches of the sequence consist of repeating characters—where one character, either `A`, `C`, `G`, or `T`, repeats multiple times consecutively. These repeating sequences seem to hold critical clues to the species' genetic structure and resilience.
The scientists need your help to determine the longest stretch of consecutive identical characters in the sequence. Identifying this stretch might provide key insights into the ancient species' unique biological traits.

Input

A single string of DNA consisting only of the characters `A`, `C`, `G`, and `T`. The length of the string is n ($1 \leq n \leq 10^6$).

Output

Print a single integer: the length of the longest consecutive block of a single character in the sequence.

Sample Input 1	Sample Output 1
11 6 4 9 4 4 2 18 27 27 4 27 2 27 10 1 1 3 1 5 1 746001 2984004	YES YES NO NO YES YES NO YES YES NO NO