

CCPC

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 1024 megabytes

Given a string S composed of uppercase letters, please rearrange the order of the characters in S such that the substring **CCPC** appears as many times as possible as a contiguous substring. You are to determine the maximum possible number of occurrences of **CCPC**.

Input

A single line containing a string S composed of uppercase letters ($1 \leq |S| \leq 10^6$).

Output

Output a single integer, representing the maximum possible number of occurrences of **CCPC**.

Example

standard input	standard output
ABCDPCPC	1