









Problem: Week 3 - Check Parenthesis

Description

Given a string containing only characters (,), [,] {, }. Write a program that checks whether the string is correct in expression.

Example

- ([]{()}()[]): correct
- ([]{()]()[]): incorrect

Input

• One line contains the string (the length of the string is less than or equal to 10^6)One line contains the string (the length of the string is less than or equal to 10^6)

Output

• Write 1 if the sequence is correct, and write 0, otherwise

Example

Input

Output

1

Sample TestCase

C 17

1 Write your Source code here

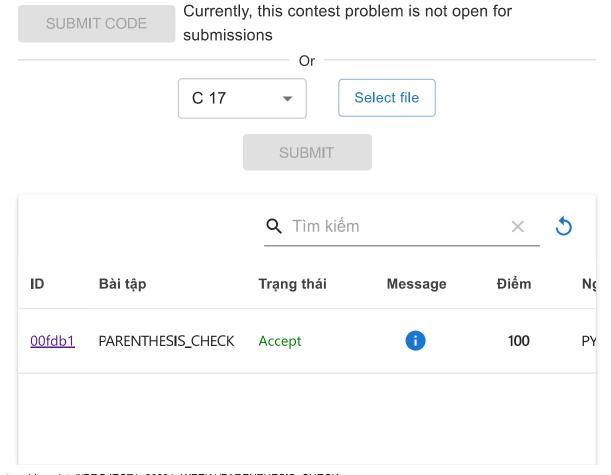
Source code

int main()

#include <stdio.h>

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17



ID	Bài tập	Trạng thái	Message	Điểm	Ng