



(/en/),  
v1.1.0

# CSD Testing System

(/en/)

## A stack

Cost: 8 | Solved: 91

**Memory limit:** 256 MBs

**Time limit:** 1 s

**Input:** input.txt

**Output:** output.txt

### Task:

You are given a string **s** consisting of different opening and closing brackets `()`, `[]`, `<>`, `{}`.

You have to check whether or not the string is a regular brackets sequence.

*A sequence is considered regular if the next rules are followed:*

- 1) An empty sequence is a regular sequence.*
- 2) If **s** is a regular sequence, then **(s)**, **[s]**, **<s>**, **{s}** are regular sequences.*
- 3) If **A** and **B** are regular sequences, then **AB** is a regular sequence.*

### Input:

The string **s** consisting of different brackets.

### Output:

Write 1 if the sequence is regular and 0 if not.

### Example:

Input	Output
) (	0

{}()	1
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