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/ Stacks And Queues (/courses/programming/topics/stacks-and-queues/)
/ Redundant Braces

Redundant Braces

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Given a string **A** denoting an expression. It contains the following operators '+', '-', '*', '/'.

Check whether **A** has redundant braces or not.

Return **1** if **A** has redundant braces, else return **0**.

Note: **A** will be always a valid expression.

Input Format

The only argument given is string A.

Output Format

Return 1 if string has redundant braces, else return 0.

For Example

Input 1:

A = "((a + b))"

Output 1:

1

Explanation 1:

((a + b)) has redundant braces so answer will be 1.

Input 2:

A = "(a + (a + b))"

Output 2:

0

Explanation 2:

(a + (a + b)) doesn't have have any redundant braces so answer