
Parentheses

P31111_en

Given a sequence made up of only ‘(’ and ‘)’, tell if the parentheses close correctly.

Input

Input consists of a sequence of parentheses.

Output

Print “yes” or “no”, depending on whether the parentheses close correctly or not.

Sample input 1

(()) ()

Sample output 1

yes

Sample input 2

(())) (

Sample output 2

no

Sample input 3

()) (

Sample output 3

no

Sample input 4

(((

Sample output 4

no

Problem information

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