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

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