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## Parentheses

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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

Author : Salvador Roura

Translator : Carlos Molina

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