

## 678. Valid Parenthesis String

425

16



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Given a string containing only three types of characters: '(', ')' and '\*', write a function to check whether this string is valid. We define the validity of a string by these rules:

1. Any left parenthesis '(' must have a corresponding right parenthesis ')' .
2. Any right parenthesis ')' must have a corresponding left parenthesis '(' .
3. Left parenthesis '(' must go before the corresponding right parenthesis ')' .
4. '\*' could be treated as a single right parenthesis ')' or a single left parenthesis '(' or an empty string.
5. An empty string is also valid.

## Example 1:

Input: "()"

Output: True

## Example 2:

Input: "(\*)"

Output: True

## Example 3:

Input: "(\*))"

Output: True

## Note:

1. The string size will be in the range [1, 100].

Seen this question in a real interview before?  

C++



Difficulty:

Medium

Total Accepted:

159K

Total Submissions:

53.1K

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