

678. Valid Parenthesis String

Medium  Topics  Companies

Given a string `s` containing only three types of characters: `'('`, `)'` and `'*'`, return `true` if `s` is **valid**.

The following rules define a **valid** string:

- Any left parenthesis `'('` must have a corresponding right parenthesis `)'`.
- Any right parenthesis `)'` must have a corresponding left parenthesis `'('`.
- Left parenthesis `'('` must go before the corresponding right parenthesis `)'`.
- `'*'` could be treated as a single right parenthesis `)'` or a single left parenthesis `'('` or an empty string `''`.

Example 1:

Input: `s = "()"`
Output: `true`

Example 2:

Input: `s = "(*)"`
Output: `true`

Example 3:

Input: `s = "(*))"`
Output: `true`

Constraints:

- `1 <= s.length <= 100`
- `s[i]` is `'('`, `)'` or `'*'`.

Seen this question in a real interview before? 1/4

☒ Yes ☐ No

Accepted **244.7K** Submissions **704.6K** Acceptance Rate **34.7%**

 Topics

 Companies

 Similar Questions

 Discussion (22)