678. Valid Parenthesis String

Difficulty: Medium

https://leetcode.com/problems/valid-parenthesis-string

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:

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Input: s = "()"
Output: true

Example 2:
Input: s = "(*)"
Output: true

Example 3:
Input: s = "(*))"
```

Constraints:

Output: true

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