

55948. Check if a Parentheses String Can Be Valid

My Submissions (/contest/biweekly-contest-68/problems/check-if-a-parentheses-string-can-be-valid/submissions/)

Back to Contest (/contest/biweekly-contest-68/)

A parentheses string is a **non-empty** string consisting only of '(' and ')'. It is valid if **any** of the following conditions is **true**:

- It is ().
- It can be written as AB (A concatenated with B), where A and B are valid parentheses strings.
- It can be written as (A), where A is a valid parentheses string.

You are given a parentheses string s and a string locked, both of length n. locked is a binary string consisting only of '0' s and '1' s. For **each** index i of locked,

- If locked[i] is '1', you **cannot** change s[i].
- But if locked[i] is '0', you **can** change s[i] to either '(' or ')'.

Return true if you can make s a valid parentheses string. Otherwise, return false.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

index:	0	1	2	3	4	5
locked:	0	1	0	1	0	0
s:))	()))
changed s:	()	()	()

Input: s = "))(())", locked = "010100"

Output: true

Explanation: locked[1] == '1' and locked[3] == '1', so we cannot change s[1] or s[3]. We change s[0] and s[4] to '(' while leaving s[2] and s[5] unchanged to make s valid.

Example 2:

Input: s = "()()", locked = "0000"

Output: true

Explanation: We do not need to make any changes because s is already valid.

Example 3:

Input: s = ")", locked = "0"

Output: false

Explanation: locked permits us to change s[0]. Changing s[0] to either '(' or ')' will not make s valid.

Constraints:

- n == s.length == locked.length
- 1 <= n <= 10⁵
- s[i] is either '(' or ')'.
- locked[i] is either '0' or '1'.

JavaScript

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```
1 /**
2  * @param {string} s
3  * @param {string} locked
4  * @return {boolean}
5  */
```

```
6 ▾ var canBeValid = function(s, locked) {  
7  
8   };
```

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