1021. Remove Outermost Parentheses

Hint

Easy 2.4K 1.5K

Companies

A valid parentheses string is either empty `""`, `"(" + A + ")"`, or `A + B`, where `A` and `B` are valid parentheses strings, and `+` represents string concatenation.

- For example, `""`, `"()"`, `"(())()"`, and `"(()(()))"` are all valid parentheses strings.

A valid parentheses string `s` is primitive if it is nonempty, and there does not exist a way to split it into `s = A + B`, with `A` and `B` nonempty valid parentheses strings.

Given a valid parentheses string `s`, consider its primitive decomposition: `s = P1 + P2 + ... + Pk`, where `Pi` are primitive valid parentheses strings.

Return `s` *after removing the outermost parentheses of every primitive string in the primitive decomposition of* `s`.

Example 1:

```
Input: s = "(()())(())"
Output: "()()()"
Explanation:
The input string is "(()())(())",
with primitive decomposition "(()
())" + "(())".
After removing outer parentheses of
each part, this is "()()" + "()" =
"()()()".
```

```
1  class Solution {
2      public String removeOuterParentheses
3
4      }
5  }
```