Problem 856: Score of Parentheses

Problem Information

Difficulty: Medium
Acceptance Rate: 63.71%
Paid Only: No
Tags: String, Stack

Problem Description

Given a balanced parentheses string `s`, return _the**score** of the string_.

The **score** of a balanced parentheses string is based on the following rule:

* `"()"` has score `1`. * `AB` has score `A + B`, where `A` and `B` are balanced parentheses strings. * `(A)` has score `2 * A`, where `A` is a balanced parentheses string.

Example 1:

Input: s = "()" **Output:** 1

Example 2:

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

Example 3:

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

Constraints:

* `2 <= s.length <= 50` * `s` consists of only `'('` and `')'`. * `s` is a balanced parentheses string.

Code Snippets

C++:

```cpp
class Solution {
public:
int scoreOfParentheses(string s) {


}
};
```

Java:

```java
class Solution {
public int scoreOfParentheses(String s) {


}
}
```

Python3:

```python
class Solution:
def scoreOfParentheses(self, s: str) -> int:
```