856. Score of Parentheses

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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.

```c
int scoreOfParentheses(char* s)
{
    int len = strlen(s);
    int score = 0;
    int depth = 0;

    for (int i = 0; i < len; i++)
    {
        if (s[i] == '(')
        {
            depth++;
        }
        else
        {
            depth--;
            if (s[i - 1] == '(')
            {
                score += 1 << depth;
            }
        }
    }

    return score;
}
```

Accepted Runtime: 0 ms

• Case 1   • Case 2   • Case 3

Input

s =
"()"

Output

1

Expected

1

♡ Contribute a testcase

Accepted Runtime: 0 ms

• Case 1   • Case 2   • Case 3

Input

s =
"(())"

Output

2

Expected

2

♡ Contribute a testcase

• Case 1   • Case 2   • Case 3

Input

s =
"()()"

Output

2

Expected

2

♡ Contribute a testcase