

leetcode - score of parentheses
class solution

Program

```
int scoreOfParentheses (char *s) {  
    int stack[1000];  
    int top = -1;  
    stack[++top] = 0;  
  
    for (int i = 0; s[i] != '\0'; i++)  
    {  
        if (s[i] == '(') {  
            stack[++top] = 0;  
        } else {  
            int a = stack[top--];  
            if (a == 0)  
            {  
                stack[top] = stack[top] + 1;  
            }  
            else {  
                stack[top] = stack[top] * 2 + a;  
            }  
        }  
    }  
  
    return stack[0];  
}
```

// output

input: s = "()"

output: 1

input: s = "(())"

output: 2

AD
19/2/14



Accepted

swapnil_sahil submitted at Feb 20, 2024 00:16

Editorial

Solution

Runtime

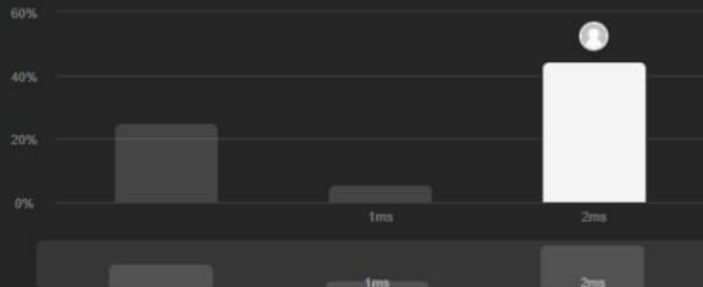
3 ms

Beats 25.00% of users with C

Memory

5.17 MB

Beats 100.00% of users with C



Code | C

Code

C Auto

```
1 int scoreOfParentheses(char* s) {
2     int stack[1000];
3     int top = -1;
4     stack[++top] = 0;
5
6     for (int i = 0; s[i] != '\0'; i++) {
7         if (s[i] == '(') {
8             stack[++top] = 0;
9         } else {
10            int a = stack[top--];
11            if(a==0){
12                stack[top]=stack[top]+1;
13            }
14            else{
15                stack[top]=stack[top]+2*a;
16            }
17        }
18    }
19
20    return stack[0];
21
22 }
```

Saved to local

Activate Windows

Ln 1, Col 1

Go to Settings to activate Windows.

Testcase

Test Result