

# Balanced Bracket Sequence

Problem

Submissions

Leaderboard

Discussions

You are given a string consisting of opening and closing parenthesis, find the length of the longest valid parenthesis substring, and the number of valid substrings with that length. If there are no such substrings, write the only line containing "0 1".

Input Format

The first line of the input file contains a non-empty string, consisting of '(' and ')' characters. Its length does not exceed 10^6.

Constraints

1 <= Length of input string <= 10^6

Output Format

Print the length of the longest substring that is a valid bracket sequence, and the number of valid substrings with that length, both seperated by a white space. If there are no such substrings, write the only line containing "0 1".

Sample Input 0

)((()))(())

Sample Output 0

6 2

Sample Input 1

))(

Sample Output 1

0 1

Submissions: 116  
Max Score: 100  
Difficulty: Medium

Rate This Challenge:  
☆☆☆☆☆

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Current Buffer (saved locally, editable)

C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     return 0;
10 }
11
```

Line: 1 Col: 1

Upload Code as File ☐ Test against custom input

Run Code

Submit Code