

Valid Parenthesis String

Submission Detail

58 / 58 test cases passed.

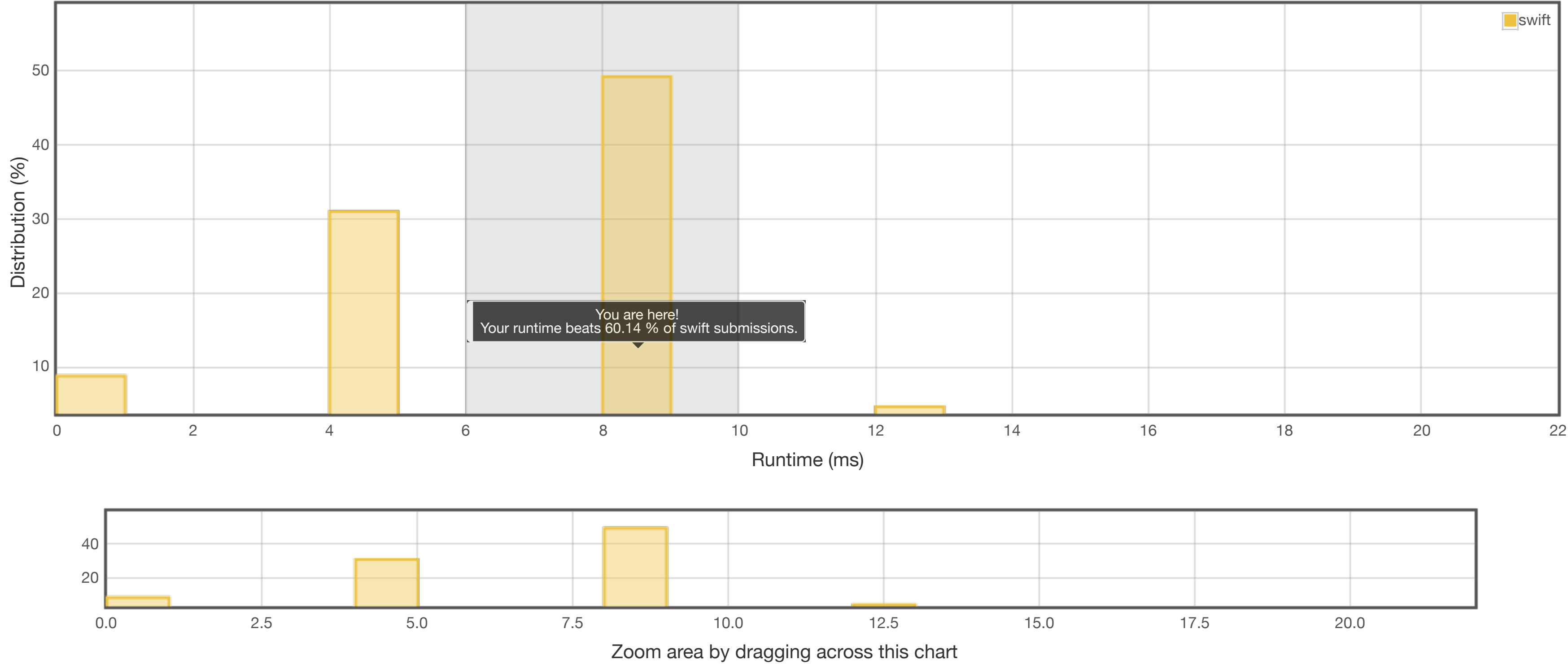
Runtime: 8 ms

Memory Usage: 21.1 MB

Status: Accepted

Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution

Sorry. We do not have enough accepted submissions to show distribution chart.

Invite friends to challenge **Valid Parenthesis String**

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Submitted Code: 0 minutes ago

Language: swift

Edit Code

```
1 class Solution {
2
3     func checkValidString(_ s: String) -> Bool {
4         var low = 0 // minimum number of unmatched left parenthesis
5         var high = 0 // maximum number of unmatched left parenthesis
6
7         var i = 0
8         while i < s.count {
9             let currentChar = s.string(at: i)!
10            if currentChar == "(" {
11                low += 1
12            } else {
13                low -= 1
14                if low < 0 {
15                    low = 0 // make zero if going negative
16                }
17            }
18            if currentChar == "(" || currentChar == "*" {
19                high += 1
20            } else {
21                high -= 1
22            }
23
24            if high < low {
25                return false
26            }
27
28            i += 1
29        }
30
31        return low == 0
32    }
33 }
34
35 public extension String {
36     func index(at i: Int) -> String.Index? {
37         guard i < self.count && i >= 0 else {
38             return nil
39         }
40         var index = self.startIndex
41         formIndex(&index, offsetBy: i)
42         return index
43     }
44
45     func string(at i: Int) -> String? {
46         guard let index = index(at: i) else {
47             return nil
48         }
49
50         return String(self[index])
51     }
52 }
```

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