

Diameter of Binary Tree

Submission Detail

106 / 106 test cases passed.

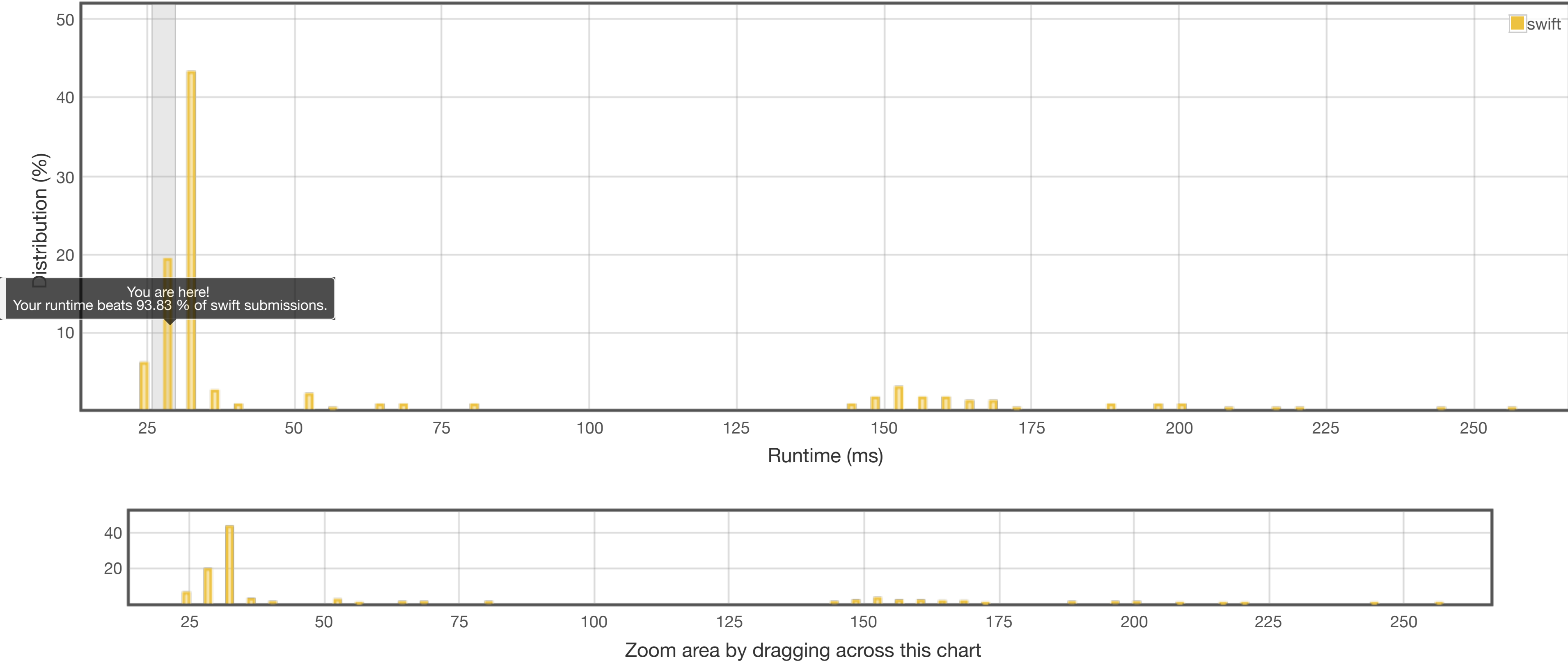
Runtime: 28 ms

Memory Usage: 21.9 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 **Diameter of Binary Tree**

f

t

e

+

18

Submitted Code: 0 minutes ago

Language: swift

Edit Code

```
1 class Solution {
2     var maxDiameter = 0
3
4     // post-order traversal
5     func getDepth(_ node: TreeNode?) -> Int {
6         guard let node = node else { return 0 }
7
8         let leftDepth = getDepth(node.left)
9         let rightDepth = getDepth(node.right)
10
11         let diameter = leftDepth + rightDepth
12         //print("diameter \(node.val): \(diameter)")
13         if diameter > maxDiameter {
14             maxDiameter = diameter
15         }
16
17         return 1 + max(leftDepth, rightDepth)
18     }
19
20     func diameterOfBinaryTree(_ root: TreeNode?) -> Int {
21         _ = getDepth(root)
22
23         return maxDiameter
24     }
25 }
```

[Back to problem](#)