AlgoExpert Quad Layout JavaScript 12px Sublime Monok

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

```
Solution 1 Solution 2
```

```
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 1
 2
 3
     // Average case: when the tree is balanced
     // O(n) time \mid O(h) space - where n is the number of nodes in
     \ensuremath{//} the Binary Tree and h is the height of the Binary Tree
 6 ▼ function nodeDepths(root, depth = 0) {
 7
      if (root === null) return 0;
       return depth + nodeDepths(root.left, depth + 1) + nodeDepths(root.right, depth + 1);
9
    }
10
    // This is the class of the input binary tree.
11
12 ▼ class BinaryTree {
13 ▼ constructor(value) {
14
         this.value = value;
15
         this.left = null;
16
         this.right = null;
17
      }
18
19
     exports.nodeDepths = nodeDepths;
20
21
```