

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code
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Solution 1

Solution 2

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1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 ▾ class Program {
4 ▾   class BinaryTree {
5       var value: Int
6       var left: BinaryTree?
7       var right: BinaryTree?
8
9 ▾     init(value: Int) {
10         self.value = value
11     }
12 }
13
14 // Average case: when the tree is balanced
15 // O(n) time | O(h) space - where n is the number of nodes in
16 // the Binary Tree and h is the height of the Binary Tree
17 ▾ static func nodeDepths(_ root: BinaryTree?, _ depth: Int = 0) -> Int {
18 ▾   if let tree = root {
19       return depth + nodeDepths(tree.left, depth + 1) + nodeDepths(tree.right, depth + 1)
20   }
21   return 0
22 }
23 }
24
```

