

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 package main
4
5 ▼ type BinaryTree struct {
6     Value      int
7     Left, Right *BinaryTree
8 }
9
10 // Average case: when the tree is balanced
11 // O(n) time | O(h) space - where n is the number of nodes in
12 // the Binary Tree and h is the height of the Binary Tree
13 ▼ func NodeDepths(root *BinaryTree) int {
14     return nodeDepthsHelper(root, 0)
15 }
16
17 ▼ func nodeDepthsHelper(root *BinaryTree, depth int) int {
18     ▼ if root == nil {
19         return 0
20     }
21     return depth + nodeDepthsHelper(root.Left, depth+1) + nodeDepthsHelper(root.Right, depth+1)
22 }
23
```

