

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code
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Solution 1	Solution 2	Solution 3	Solution 4
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 // Average case: when the tree is balanced 4 // O(nlog(n)) time O(h) space - where n is the number of nodes in 5 // the Binary Tree and h is the height of the Binary Tree 6 ▾ function allKindsOfNodeDepths(root) { 7 if (root == null) return 0; 8 return allKindsOfNodeDepths(root.left) + allKindsOfNodeDepths(root.right) + nodeDepths(root); 9 } 10 11 ▾ function nodeDepths(node, depth = 0) { 12 if (node === null) return 0; 13 return depth + nodeDepths(node.left, depth + 1) + nodeDepths(node.right, depth + 1); 14 } 15 16 // This is the class of the input binary tree. 17 ▾ class BinaryTree { 18 ▾ constructor(value) { 19 this.value = value; 20 this.left = null; 21 this.right = null; 22 } 23 } 24 25 exports.allKindsOfNodeDepths = allKindsOfNodeDepths; 26</pre>			

