









Solution

₱ Discuss (999+)

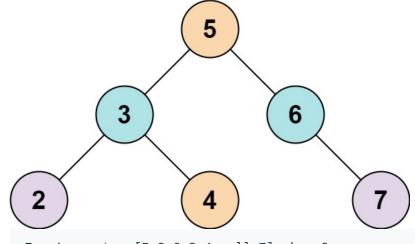
Submissions

653. Two Sum IV - Input is a BST

Easy 🖒 4938 🗘 222 ♡ Add to List 🖺 Share

Given the root of a Binary Search Tree and a target number k, return true if there exist two elements in the BST such that their sum is equal to the given target.

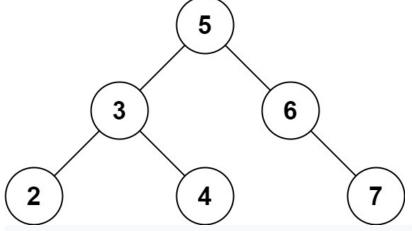
Example 1:



Input: root = [5,3,6,2,4,null,7], k = 9

Output: true

Example 2:



Input: root = [5,3,6,2,4,null,7], k = 28

Output: false

i Java Autocomplete *i* {} 5 ⊕ □ * Definition for a binary tree node. 3 * public class TreeNode { 4 int val; TreeNode left; 6 TreeNode right; TreeNode() {} 8 TreeNode(int val) { this.val = val; } 9 TreeNode(int val, TreeNode left, TreeNode right) { 10 this.val = val; 11 this.left = left; 12 this.right = right; 13 14 15 16 class Solution { 17 18 public boolean findTarget(TreeNode root, int k) { 19 20 Stack<TreeNode> stackL = new Stack<TreeNode>(); 21 Stack<TreeNode> stackR = new Stack<TreeNode>(); 22 23 for(TreeNode cur = root; cur != null; cur = cur.left) 24 stackL.push(cur); 25 26 for(TreeNode cur = root; cur != null; cur = cur.right) 27 stackR.push(cur); 28 29 while(stackL.size() != 0 && stackR.size() != 0 && stackL.peek() != stackR.peek()){ 30 31 int tmpSum = stackL.peek().val + stackR.peek().val; 32 33 if(tmpSum == k) 34 return true; 35 36 else if(tmpSum < k)</pre> 37 for(TreeNode cur = stackL.pop().right; cur != null; cur = cur.left) 38 stackL.push(cur); 39 else 40 for(TreeNode cur = stackR.pop().left; cur != null; cur = cur.right) 41 stackR.push(cur); 42 43 44 return false;

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