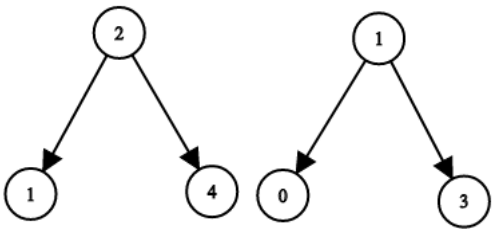
1214. Two Sum BSTs

Medium 442 44 Add to List Share

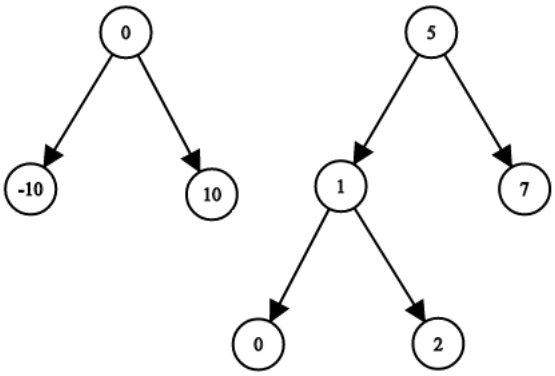
Given the roots of two binary search trees, `root1` and `root2`, return `true` if and only if there is a node in the first tree and a node in the second tree whose values sum up to a given integer `target`.

Example 1:




```
Input: root1 = [2,1,4], root2 = [1,0,3], target = 5
Output: true
Explanation: 2 and 3 sum up to 5.
```

Example 2:




```
Input: root1 = [0,-10,10], root2 = [5,1,7,0,2], target = 18
Output: false
```

Constraints:

- The number of nodes in each tree is in the range `[1, 5000]`.
- `-10^9 <= Node.val, target <= 10^9`

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```
        s2.push(root);
                root = root->right;
            }
        }

        bool twoSumBSTs(TreeNode* root1, TreeNode* root2, int target) {

        stack<TreeNode*>s1;

        stack<TreeNode*>s2;

        findLeft(root1,s1);

        findRight(root2,s2);

        while(!s1.empty() and !s2.empty())
            {
                TreeNode* first = s1.top();
                s1.pop();

                TreeNode* second = s2.top();
                s2.pop();

                long curr = (long)first->val + second->val;
                if(curr == target)
                {
                    return true;
                }
                else if(curr > target)
                {

        s1.push(first);

        findRight(second->left,s2);
                }
                else
                {

        s2.push(second);

        findLeft(first->right,s1);
                }
            }
            return fals
        }
```

NEW

Testca... Run Code Res... Debug...

Accepted Runtime: 0 ms

Your input

```
[-610851256,-6537
[-789314604,-8449
68839864
```

Output true Diff

Expected true

Problems Pick One Prev 1214/2509 Next Run Code Submit