Two Sum IV – Input is a BST

Leet Code:

</> Code

C ∨   🔒 Auto

```c
/**
 * Definition for a binary tree node.
 * struct TreeNode {
 *     int val;
 *     struct TreeNode *left;
 *     struct TreeNode *right;
 * };
 */
void inorder(struct TreeNode* root, int* arr, int* size) {
    if (root == NULL) return;
    inorder(root->left, arr, size);
    arr[(*size)++] = root->val;
    inorder(root->right, arr, size);
}
bool findTarget(struct TreeNode* root, int k) {
    if (root == NULL) return false;
    int arr[10000];
    int size = 0;
    inorder(root, arr, &size);
    int left = 0, right = size - 1;
    while (left < right) {
        int sum = arr[left] + arr[right];

        if (sum == k)
            return true;
        else if (sum < k)
            left++;
        else

            right--;
    }
    return false;
}
```

Output:

Test Case 1:

Testcase | >_ **Test Result**

Accepted Runtime: 0 ms

☑ Case 1   ☑ Case 2

Input

root =
[5,3,6,2,4,null,7]

k =
9

Output

true

Expected

true

Test Case 2:

Testcase | >_ **Test Result**

Accepted Runtime: 0 ms

☑ Case 1   ☑ Case 2

Input

root =
[5,3,6,2,4,null,7]

k =
28

Output

false

Expected

false