**LEETCODE 653 –** Two Sum IV - Input is a BST

Given the root of a binary search tree and an integer k, return true if there exist two elements in the BST such that their sum is equal to k, or false otherwise.

**CODE:**

/\*\*

\* Definition for a binary tree node.

\* struct TreeNode {

\* int val;

\* struct TreeNode \*left;

\* struct TreeNode \*right;

\* };

\*/

int v[10001];

int n = 0;

void bst(struct TreeNode\* root){

if(root == NULL) return;

bst(root->left);

v[n] = (root->val);

n++;

bst(root->right);

}

bool findTarget(struct TreeNode\* root, int k) {

n = 0;

bst(root);

int l = 0;

int r = n - 1;

while(l < r){

if(v[l] + v[r] == k){

return true;

}

else if(v[l] + v[r] < k){

l++;

}

else{

r--;

}

}

return false;

}

**OUTPUT:**

