106. Construct Binary Tree from Inorder and Postorder Traversal

Total Accepted: 55082 Total Submissions: 189297 Difficulty: Medium

Given inorder and postorder traversal of a tree, construct the binary tree.

Note:

You may assume that duplicates do not exist in the tree.

```
/**
 * Definition for a binary tree node.
 * struct TreeNode {
       int val;
       TreeNode *left;
       TreeNode *right;
       TreeNode(int x) : val(x), left(NULL), right(NULL) {}
 * };
 */
// author:zzw
// C++
class Solution {
public:
    TreeNode* buildTree(vector<int>& inorder, vector<int>& postorder) {
        int inorder size = inorder.size();
        int postorder size = postorder.size();
        if(inorder size==0 || postorder size == 0)
            return NULL;
        return recursionBuild(inorder,0,inorder size-
1,postorder,0,postorder size-1);
    TreeNode *recursionBuild(vector<int>& inorder,int inorder left,int
inorder right, vector<int>& postorder, int postorder left, int
postorder_right)
    {
        if(inorder_left>inorder right)
        {
            return NULL;
        }
        TreeNode *p = new TreeNode(postorder[postorder right]);
        int i=0;
        for (i=inorder left;i<inorder right;i++)</pre>
```