106. Construct Binary Tree from Inorder and Postorder Traversal

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Description
                      Hints
                                Submissions
                                                  Discuss
                                                                  Solution
   ℷス Pick One
 Given inorder and postorder traversal of a tree, construct the binary tree.
 You may assume that duplicates do not exist in the tree.
 For example, given
  inorder = [9,3,15,20,7]
  postorder = [9,15,7,20,3]
 Return the following binary tree:
     3
    9 20
     15
 Seen this question in a real interview before? Yes No
public class L106 {
      public class TreeNode {
                int val;
                TreeNode left;
                TreeNode right;
                TreeNode(int x) { val = x; }
           }
      public TreeNode buildTree(int[] inorder, int[] postorder) {
               if(inorder.length == 0 || postorder.length == 0) {
                   return null;
               TreeNode root = new TreeNode(postorder[postorder.length - 1]);
               if(inorder.length == 1 && postorder.length == 1) {
                   return root;
               }
               for(int i = 0; i < inorder.length; i ++) {</pre>
                   if(inorder[i] == postorder[postorder.length - 1]) {
                         root.left = buildTree(assit(inorder, \ 0, \ i \ - \ 1), \ assit(postorder, \ 0, \ i \ - \ 1));
                         root.right = buildTree(assit(inorder, i + 1, inorder.length - 1), assit(postorder, i,
               }
           return root;
       public int [] assit(int [] array, int start, int end) {
           int [] res = new int [end - start + 1];
for(int i = start; i <= end; i ++) {</pre>
                res[i - start] = array[i];
           }
           return res;
       }
}
```