1. Flatten Binary Tree to Linked List

Medium

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Given a binary tree, flatten it to a linked list in-place.

For example, given the following tree:

1  
 / \  
 2 5  
 / \ \  
3 4 6

The flattened tree should look like:

1  
 \  
 2  
 \  
 3  
 \  
 4  
 \  
 5  
 \  
 6

**Solution**

后序遍历。调整左边->调整右边->合并结果

class Solution {  
public:  
 void flatten(TreeNode\* root) {  
 if(root == NULL)return;  
 flatten(root->left);  
 flatten(root->right);  
 TreeNode\* tmp = root->right;  
 root->right = root->left;  
 root->left = NULL;  
 TreeNode \*p = root;  
 while(p->right)p = p->right;  
 p->right = tmp;  
 }  
};