

114. Flatten Binary Tree to Linked List ★

Question

Editorial Solution

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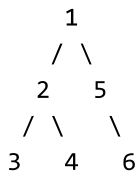
Total Accepted: **98631** Total Submissions: **301737** Difficulty: **Medium**

Notes

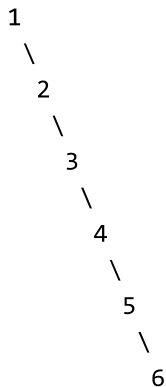
Given a binary tree, flatten it to a linked list in-place.

For example,

Given



The flattened tree should look like:



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C++



```
1 /**
2  * Definition for a binary tree node.
3  * struct TreeNode {
```

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```

4  *    int val;
5  *    TreeNode *left;
6  *    TreeNode *right;
7  *    TreeNode(int x) : val(x), left(NULL), right(NULL) {}
8  * };
9  */
10 class Solution {
11 public:
12     void flatten(TreeNode* root) {
13         if (!root) return;
14         flatten(root->right);
15         flatten(root->left);
16         TreeNode *left = root->left, *right = root->right;
17         if (left) {
18             root->right = left;
19             while (left->right) {
20                 left = left->right;
21             }
22             left->right = right;
23         }
24         else {
25             root->right = right;
26         }
27         root->left = nullptr;
28     }
29 };

```

Custom Testcase ☐

Run Code

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