114. Flatten Binary Tree to Linked List

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• Depth-first Search + Tree

Description

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

For example,

Given

```
1

/\

2 5

/\ \

3 4 6
```

The flattened tree should look like:

```
1
2
3
4
4
5
```

1. Thought line

- ALWAYS move from current node to its right child.
- To each node:
 - (1) move its right subTree to the most right node of its left subTree.
 - (2) Switch right subTree and left subTree.
 - (3) move to next node (node->right)

2. Depth-first Search + Tree

```
/**

* Definition for a binary tree node.

* struct TreeNode {

* int val;
```