

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class BinaryTree {
4   constructor(value) {
5     this.value = value;
6     this.left = null;
7     this.right = null;
8   }
9 }
10
11 // O(n) time | O(d) space - where n is the number of nodes in the Binary Tree and d is the depth (height) of the Binary Tree
12 function rightSiblingTree(root) {
13   mutate(root, null, null);
14   return root;
15 }
16
17 function mutate(node, parent, isLeftChild) {
18   if (node === null) return;
19   const {left, right} = node;
20   mutate(left, node, true);
21   if (parent === null) {
22     node.right = null;
23   } else if (isLeftChild) {
24     node.right = parent.right;
25   } else {
26     if (parent.right === null) {
27       node.right = null;
28     } else {
29       node.right = parent.right.left;
30     }
31   }
32   mutate(right, node, false);
33 }
34
35 exports.BinaryTree = BinaryTree;
36 exports.rightSiblingTree = rightSiblingTree;
37
```

