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298. Binary Tree Longest Consecutive Sequence

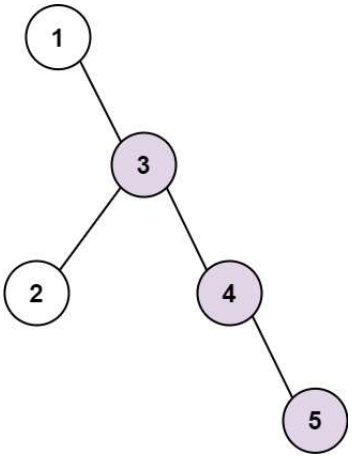
Medium 1004 230 Add to List Share

Given the `root` of a binary tree, return *the length of the longest* ***consecutive sequence path***.

A **consecutive sequence path** is a path where the values **increase by one** along the path.

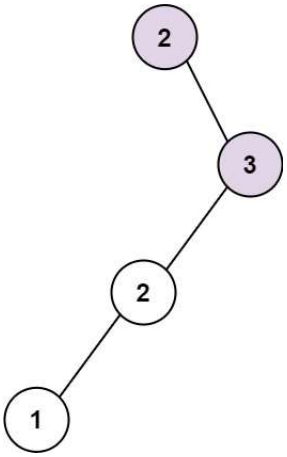
Note that the path can start **at any node** in the tree, and you cannot go from a node to its parent in the path.

Example 1:




```
Input: root = [1,null,3,2,4,null,null,null,5]
Output: 3
Explanation: Longest consecutive sequence path is 3-4-5, so return 3.
```

Example 2:




```
Input: root = [2,null,3,2,null,1]
Output: 2
Explanation: Longest consecutive sequence path is 2-3, not 3-2-1, so return 2.
```

Constraints:

- The number of nodes in the tree is in the range `[1, 3 * 10^4]`.
- `-3 * 10^4 <= Node.val <= 3 * 10^4`

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```java
/**
 * Definition for a binary tree node.
 * public class TreeNode {
 *     int val;
 *     TreeNode left;
 *     TreeNode right;
 *     TreeNode() {}
 *     TreeNode(int val) { this.val = val; }
 *     TreeNode(int val, TreeNode left, TreeNode right) {
 *         this.val = val;
 *         this.left = left;
 *         this.right = right;
 *     }
 * }
 */
class Solution {
    public int longestConsecutive(TreeNode root) {

    }
}
```

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