

## 513. Find Bottom Left Tree Value

Solved ✓

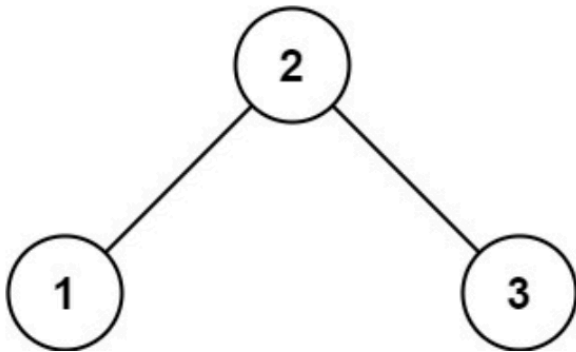
Medium

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Given the `root` of a binary tree, return the leftmost value in the last row of the tree.

**Example 1:**



Input: `root = [2,1,3]`

Output: 1

## Intuition

Apply dfs on tree, at each level update the answer for the first element which is leftmost.

```
/**
 * Definition for a binary tree node.
 * public class TreeNode {
 *     public var val: Int
 *     public var left: TreeNode?
 *     public var right: TreeNode?
 *     public init() { self.val = 0; self.left = nil; self.right =
nil; }
 *     public init(_ val: Int) { self.val = val; self.left = nil;
self.right = nil; }
 *     public init(_ val: Int, _ left: TreeNode?, _ right:
TreeNode?) {
 *         self.val = val
```

```

*         self.left = left
*         self.right = right
*     }
* }
*/

class Solution {
    func findBottomLeftValue(_ root: TreeNode?) -> Int {
        var height = 0
        var ans = 0

        func dfs(_ root: TreeNode?, _ level: Int) {
            guard let root = root else {
                return
            }

            let l = level + 1
            if(l > height) {
                height = l
                ans = root.val
            }

            dfs(root.left, l)
            dfs(root.right, l)
        }

        dfs(root, 0)
        return ans
    }
}

```