

LeetCode

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Description

Solution

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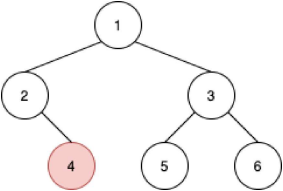
Submissions

1602. Find Nearest Right Node in Binary Tree

Medium 210 6 Add to List Share

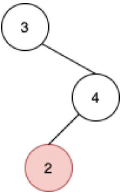
Given the `root` of a binary tree and a node `u` in the tree, return *the nearest node on the same level that is to the right of `u`*, or return `null` if `u` is the rightmost node in its level.

Example 1:



Input: `root = [1,2,3,null,4,5,6]`, `u = 4`
Output: `5`
Explanation: The nearest node on the same level to the right of node 4 is node 5.

Example 2:



Input: `root = [3,null,4,2]`, `u = 2`
Output: `null`
Explanation: There are no nodes to the right of 2.

Constraints:

- The number of nodes in the tree is in the range $[1, 10^5]$.
- $1 \leq \text{Node.val} \leq 10^5$
- All values in the tree are **distinct**.
- `u` is a node in the binary tree rooted at `root`.

Accepted 14,108 Submissions 18,916

Seen this question in a real interview before?

Yes

No

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```
/**
 * 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 TreeNode findNearestRightNode(TreeNode root, TreeNode u) {
    }
}
```

Problems

Pick One

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1602/2143

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Console

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