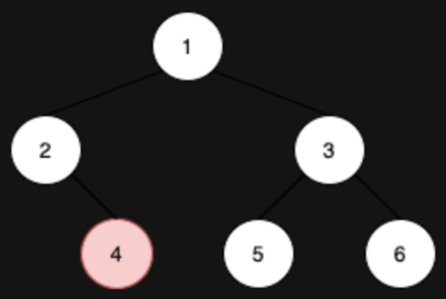
1602. Find Nearest Right Node in Binary Tree

Description

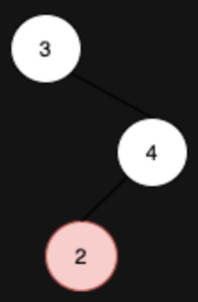
Given the `root` of a binary tree and a node `u` in the tree, return *the **nearest** node on the **same level** that is to the **right** of* `u`*, or return* `null` *if* `u` *is the rightmost node in its level*.

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 <= Node.val <= 10^5`
- All values in the tree are **distinct**.
- `u` is a node in the binary tree rooted at `root`.