513. Find Bottom Left Tree Value

Medium   🏷 Topics   🔒 Companies

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

```c
int findBottomLeftValue(struct TreeNode* root)
{
    if (root == NULL)
    return -1; // No nodes in the tree
    struct TreeNode** queue = (struct TreeNode**)malloc(sizeof(struct TreeNode*)
* 10000);
    int front = 0, rear = 0, nextLevelCount = 0, currentLevelCount = 1;
    int leftmostValue = root->val;
    queue[rear++] = root;
    while (front < rear) {
    struct TreeNode* current = queue[front++];
    currentLevelCount--;
    if (current->left != NULL) {
    queue[rear++] = current->left;
    nextLevelCount++;
    }
    if (current->right != NULL) {
    queue[rear++] = current->right;
    nextLevelCount++;
    }
    if (currentLevelCount == 0) {
    if (nextLevelCount > 0)
    leftmostValue = queue[front]->val;
    currentLevelCount = nextLevelCount;
    nextLevelCount = 0;
    }
    }
    free(queue);
    return leftmostValue;
}
```

Accepted Runtime: 3 ms

• **Case 1** • Case 2

Input

root =
[2,1,3]

Output

1

Expected

1

Accepted Runtime: 3 ms

• Case 1 • **Case 2**

Input

root =
[1,2,3,4,null,5,6,null,null,7]

Output

7

Expected

7