

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.

```
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