#15 days of dsa coding challenge

#Day 11

#Leetcode 236

Lowest common ancestor of binary tree

Solution:

/\*\*

\* Definition for a binary tree node.

\* struct TreeNode {

\* int val;

\* TreeNode \*left;

\* TreeNode \*right;

\* TreeNode(int x) : val(x), left(NULL), right(NULL) {}

\* };

\*/

class Solution {

public:

TreeNode\* lowestCommonAncestor(TreeNode\* root, TreeNode\* p, TreeNode\* q) {

if (!root || root == p || root == q) return root;

TreeNode\* left = lowestCommonAncestor(root->left, p, q);

TreeNode\* right = lowestCommonAncestor(root->right, p, q);

return !left ? right : !right ? left : root;

}

};