class Solution {

public TreeNode lowestCommonAncestor(TreeNode root, TreeNode p, TreeNode q) {

if(root==null)

return null;

if(root == p || root == q)

return root;

TreeNode l = lowestCommonAncestor(root.left, p, q);

TreeNode r = lowestCommonAncestor(root.right, p, q);

if(l!= null && r!= null)

return root;

return l!=null? l:r;

}

}