

```
int depth;
   20
21 •
                             TreeNode parent:
                            public Node(TreeNode root,TreeNode parent,int depth){
   22 23 24 25 26 27 × 28 29 30 31 32 33 34 35 × 36 37 38 39 40 × 41 42 43 44 × 45 46 47 48 49 50 51 × 52 53 54 55 55 56
                                    this.root=root;
this.parent=parent;
                                     this.depth=depth;
                   }
public boolean isCousins(TreeNode root, int x, int y) {
    if(root==null) return true;
    Queue<Node> queue=new LinkedList<>();
    queue.add(new Node(root,null,0));
    int depth1=0;
    int parent1=0;
    int parent1=0;
}
                           int parent1=0;
int parent2=0;
while([queue.isEmpty()){
   Node node=queue.poll();
   int depth=node.depth;
   TreeNode temp=node.root;
   TreeNode tempP=node.parent;
   if(temp!=null && depth1==0 && temp.val==x && tempP!=null){
        depth1=depth:
                                            depth1=depth;
                                            parent1=tempP.val;
                                   }
if(temp!=null && depth2==0 && temp.val==y && tempP!=null){
    depth2=depth;
    parent2=tempP.val;
                                    }
if(temp.left!=null) queue.add(new Node(temp.left,temp,depth+1));
if(temp.right!=null) queue.add(new Node(temp.right,temp,depth+1));
                             if(depth1==depth2 && parent1!=parent2){
                                     return true;
                             return false;
                                                                                                                                                                                                                             Submit
                                                                                                                                                                                         ② ○ Run Code
```