Description

Solution

Discuss (205)

Submissions

1676. Lowest Common Ancestor of a Binary Tree IV

Medium

4 349

4 13

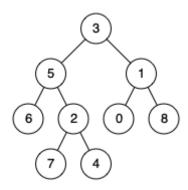
O Add to List

[Share

Given the root of a binary tree and an array of TreeNode objects nodes, return the lowest common ancestor (LCA) of all the nodes in nodes. All the nodes will exist in the tree, and all values of the tree's nodes are unique

Extending the **definition of LCA on Wikipedia**: "The lowest common ancestor of n nodes p_1 , p_2 , ..., p_n in a binary tree ${\tt T}$ is the lowest node that has every $p_{\tt i}$ as a **descendant** (where we allow **a node to be a descenda of itself**) for every valid ${\tt i}$ ". A **descendant** of a node ${\tt x}$ is a node ${\tt y}$ that is on the path from node ${\tt x}$ to some le node.

Example 1:

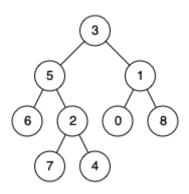


Input: root = [3,5,1,6,2,0,8,null,null,7,4], nodes = [4,7]

Output: 2

Explanation: The lowest common ancestor of nodes 4 and 7 is node 2.

Example 2:



Input: root = [3,5,1,6,2,0,8,null,null,7,4], nodes = [1]

Output: 1

≡ Problems

➢ Pick One

< Prev

#:/149