

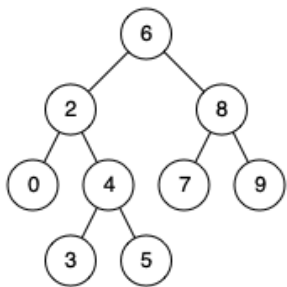
235. Lowest Common Ancestor of a Binary Search Tree

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Given a binary search tree (BST), find the lowest common ancestor (LCA) node of two given nodes in the BST.

According to the [definition of LCA on Wikipedia](#): “The lowest common ancestor is defined between two nodes p and q as the lowest node

Example 1:

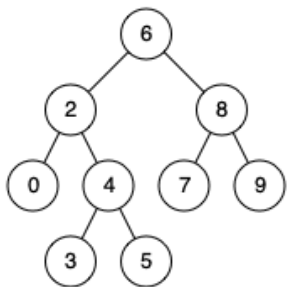


Input: root = [6,2,8,0,4,7,9,null,null,3,5], p = 2, q = 8

Output: 6

Explanation: The LCA of nodes 2 and 8 is 6.

Example 2:



Input: root = [6,2,8,0,4,7,9,null,null,3,5], p = 2, q = 4

Output: 2

Explanation: The LCA of nodes 2 and 4 is 2, since a node can be a descendant of itself according to

Example 3:

Input: root = [2,1], p = 2, q = 1

Output: 2

Constraints:

- The number of nodes in the tree is in the range $[2, 10^5]$.
- $-10^9 \leq \text{Node.val} \leq 10^9$
- All Node.val are **unique**.
- $p \neq q$
- p and q will exist in the BST.

Seen this question in a real interview before? 1/4

Yes No

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 Topics