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Problem 6: Find LCA of two nodes in BST
class TreeNode:
  def __init__(self, val):
    self.val = val
    self.left = None
    self.right = None
def insert(root, val):
  if root is None:
    return TreeNode(val)
  if val < root.val:
    root.left = insert(root.left, val)
  else:
    root.right = insert(root.right, val)
  return root
def find_lca(root, p, q):
  if root is None:
    return None
  if p.val < root.val and q.val < root.val:
    return find_lca(root.left, p, q)
```

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if p.val > root.val and q.val > root.val:
    return find_lca(root.right, p, q)
  return root
root = None
root = insert(root, 6)
root = insert(root, 2)
root = insert(root, 8)
root = insert(root, 0)
root = insert(root, 4)
root = insert(root, 7)
root = insert(root, 9)
root = insert(root, 3)
root = insert(root, 5)
node_p = TreeNode(2)
node_q = TreeNode(8)
lca = find_lca(root, node_p, node_q)
if Ica:
  print("LCA:", Ica.val)
else:
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## print("LCA not found.")

```
input

LCA: 6

...Program finished with exit code 0

Press ENTER to exit console.
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