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중앙을 기준으로 이진 트리를 반전시켜라.
Input: root = [4,2,7,1,3,6,9]
Output: [4,7,2,9,6,3,1]
# Definition for a binary tree node.
# class TreeNode:
#
    def __init__(self, val=0, left=None, right=None):
#
       self.val = val
#
       self.left = left
#
       self.right = right
1.dfs
import collections
class Solution:
  def invertTree(self, root: TreeNode) -> TreeNode:
     def dfs(node):
       if node == None:
          return
       dfs(node.left)
       dfs(node.right)
       node.left, node.right = node.right, node.left
     dfs(root)
     return root
class Solution:
  def invertTree(self, root: TreeNode) -> TreeNode:
     stack = collections.deque([root])
     while stack:
       node = stack.pop()
       if node:
          node.left, node.right = node.right, node.left
          stack.append(node.left)
          stack.append(node.right)
     return root
class Solution:
  def invertTree(self, root: TreeNode) -> TreeNode:
     stack = collections.deque([root])
     while stack:
       node = stack.pop()
       if node:
          stack.append(node.left)
          stack.append(node.right)
          node.left, node.right = node.right, node.left
     return root
```

```
class Solution:
  def invertTree(self, root: TreeNode) -> TreeNode:
     q = collections.deque([root])
     while q:
       node = q.popleft()
       if node:
          node.left, node.right = node.right, node.left
          q.append(node.left)
          q.append(node.right)
     return root
class Solution:
  def invertTree(self, root: TreeNode) -> TreeNode:
     q = collections.deque([root])
     while q:
       node = q.popleft()
       if node:
          q.append(node.left)
          q.append(node.right)
          node.left, node.right = node.right, node.left
     return root
3.파이썬 다운
class Solution:
  def invertTree(self, root: TreeNode) -> TreeNode:
     if root:
       root.left, root.right = self.invertTree(root.right), self.invertTree(root.left)
       return root
     return None
```