26.**You are given an integer array nums with no duplicates. A maximum binary tree can be built recursively from nums using the following algorithm: Create a root node whose value is the maximum value in nums. Recursively build the left subtree on the subarray prefix to the left of the maximum value. Recursively build the right subtree on the subarray suffix to the right of the maximum value. Return the maximum binary tree built from nums.**

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Program:

```
def construct_maximum_binary_tree(nums):
    if not nums:
        return None
    max_index = nums.index(max(nums))
    root = TreeNode(nums[max_index])
    root.left = construct_maximum_binary_tree(nums[:max_index])
    root.right = construct_maximum_binary_tree(nums[max_index + 1:])
    return root
def print_tree(node):
    if not node:
        return
    print(node.val, end=' ')
    print_tree(node.left)
    print_tree(node.right)
nums = [3, 2, 1, 6, 0, 5]
tree = construct_maximum_binary_tree(nums)
print("Pre-order traversal of the constructed maximum binary tree:")
print_tree(tree)
```

Output: