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hw4_e2)Pos-To-Pre

Problem

Submissions

Leaderboard

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Sample

Status: **Accepted**

Success 0.02s

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9	✓	Test Case #10	✓	Test Case #11
✓	Test Case #12				

Submitted Code

Language: Python 3

Open in editor

```
1 class Node:
2     def __init__(self, value):
3         self.value = value
4         self.left = None
5         self.right = None
6
7 def PostToTree(arr):
8
9     root = Node(arr.pop())
10    stack = [root]
11
12    while postorder:
13        current = Node(arr.pop())
14        parent = None
15
16        while stack and current.value < stack[-1].value:
17            parent = stack.pop()
18
19        if parent:
20            parent.left = current
21        else:
22            stack[-1].right = current
23
24        stack.append(current)
25
26    return root
27
28 def preOrder(root):
29     if root:
30         print(root.value, end=" ")
```

```
31         preOrder(root.left)
32         preOrder(root.right)
33
34
35 length = input()
36 postorder = input()
37 postorder = list(map(int, postorder.split()))
38 root = PostToTree(postorder)
39 preOrder(root)
```

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