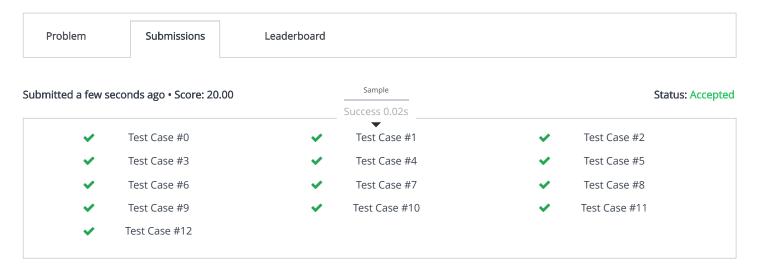
All Contests > HW4_FIRST_CONTEST > hw4_e2)Pos-To-Pre

hw4_e2)Pos-To-Pre



Submitted Code

```
P Open in editor
 Language: Python 3
 1 class Node:
       def __init__(self, value):
2
3
           self.value = value
           self.left = None
 4
 5
           self.right = None
 7 def PostToTree(arr):
8
9
       root = Node(arr.pop())
       stack = [root]
10
11
12
       while postorder:
13
           current = Node(arr.pop())
           parent = None
14
15
           while stack and current.value < stack[-1].value:</pre>
16
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):
       if root:
29
           print(root.value, end=" ")
30
```

```
preOrder(root.left)
preOrder(root.right)

length = input()
postorder = input()
postorder = list(map(int, postorder.split()))
root = PostToTree(postorder)
preOrder(root)
```

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