Construct tree from Inorder and LevelOrder

Given inorder and level-order traversals of a Binary Tree, construct the Binary Tree and return the root Node.

Input:

First line consists of T test cases. First line of every test case consists of N, denoting number of elements is respective arrays. Second and third line consists of arrays containing Inorder and Level-order traversal respectively.

Output:

Single line output, print the preOrder traversal of array.

Constraints:

1<=T<=100 1<=N<=100

Example:

Input:

Output:

0 1 2

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```
def buildTree(level, ino):
    #code here
    #return root of tree
    return buildTreeHelper(level,ino)

def buildTreeHelper(level,inorder):
    if len(inorder) == 0:
        return None
    node = Node(level[0])
    idx = inorder.index(level[0])
    hasSet = set()
```

```
leftSet = []
rightSet = []
i = 0
while i<idx:
    hasSet.add(inorder[i])
    i = i+1
for ele in level[1:]:
    if ele in hasSet:
        leftSet.append(ele)
    else:
        rightSet.append(ele)
node.left = buildTreeHelper(leftSet,inorder[:idx])
return node</pre>
```