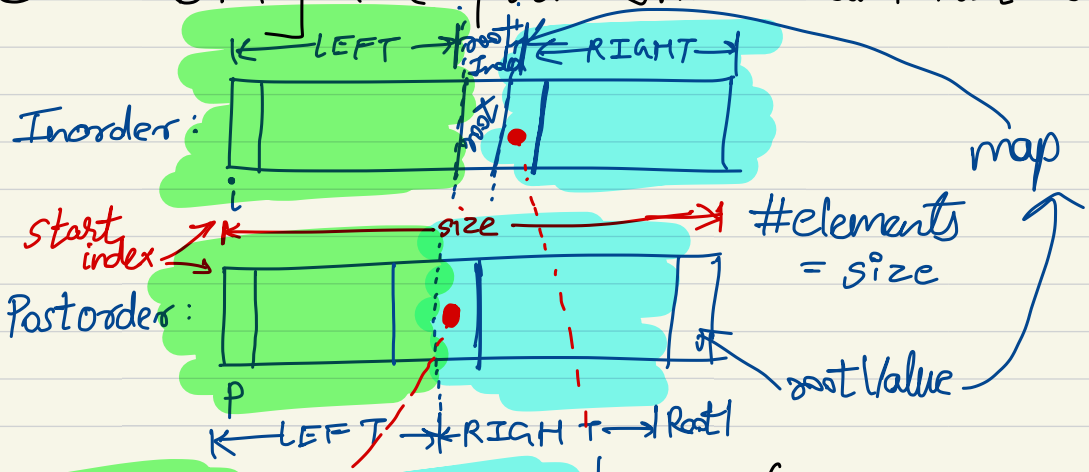
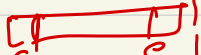
Create Binary Tree from Inorder and Postorder.



LEFT

LEFTSIZE
⇒ rootIndex - 1 - i + 1

How?



Inorder Start Index

i

Postorder Start Index

p

RIGHT

RIGHTSIZE
⇒ size - (LEFTSIZE + 1)

size = e - s + 1

Inorder Start Index

rootIndex + 1

Postorder Start Index

p + leftsize

```
buildTree(inorder, i, postorder, p, size, map)

if size == 0 ret null
if size == 1
    ret new TreeNode(postorder[p]);

rootValue = postorder[p + size - 1]
rootIndex = map.get(rootValue)
root ← new TreeNode(rootValue)

leftsize = rootIndex - 1 - i + 1
rightsize = size - (leftsize + 1)

root.left ← buildTree(inorder, i, postorder, p, leftsize, map)
root.right ← buildTree(inorder, rootIndex + 1, postorder, p + leftsize, rightsize, map)

return root
```