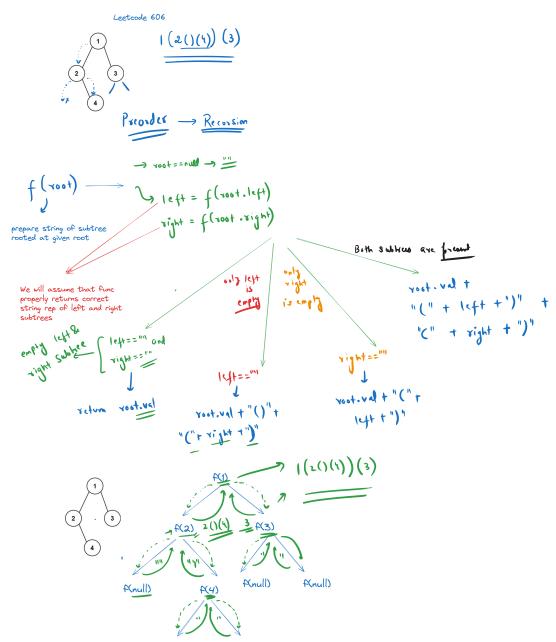
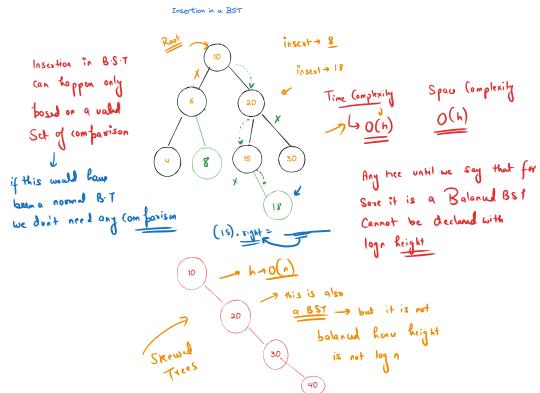
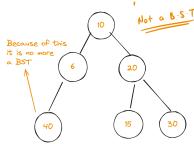


For every subtree we follow a rule i.e. all the elements in the left subtree should be having values lesser than root, and all the values in the right subtree should be having values greater than root.

and this fact should be recursively true for all subtrees.



```

f(<root>) {
    if (root == null) return "";
    left = f(<root.left>)
    right = f(<root.right>)
    if ((left=="") and (right==""))
        return root.val + "(" + right + ")"
    else if ((left!=""))
        return root.val + "(" + left + ")" + "(" + right + ")"
    else if ((right!=""))
        return root.val + "(" + left + ")" + ")"
    else
        return root.val + "(" + left + ")" + "(" + right + ")"
}
  
```