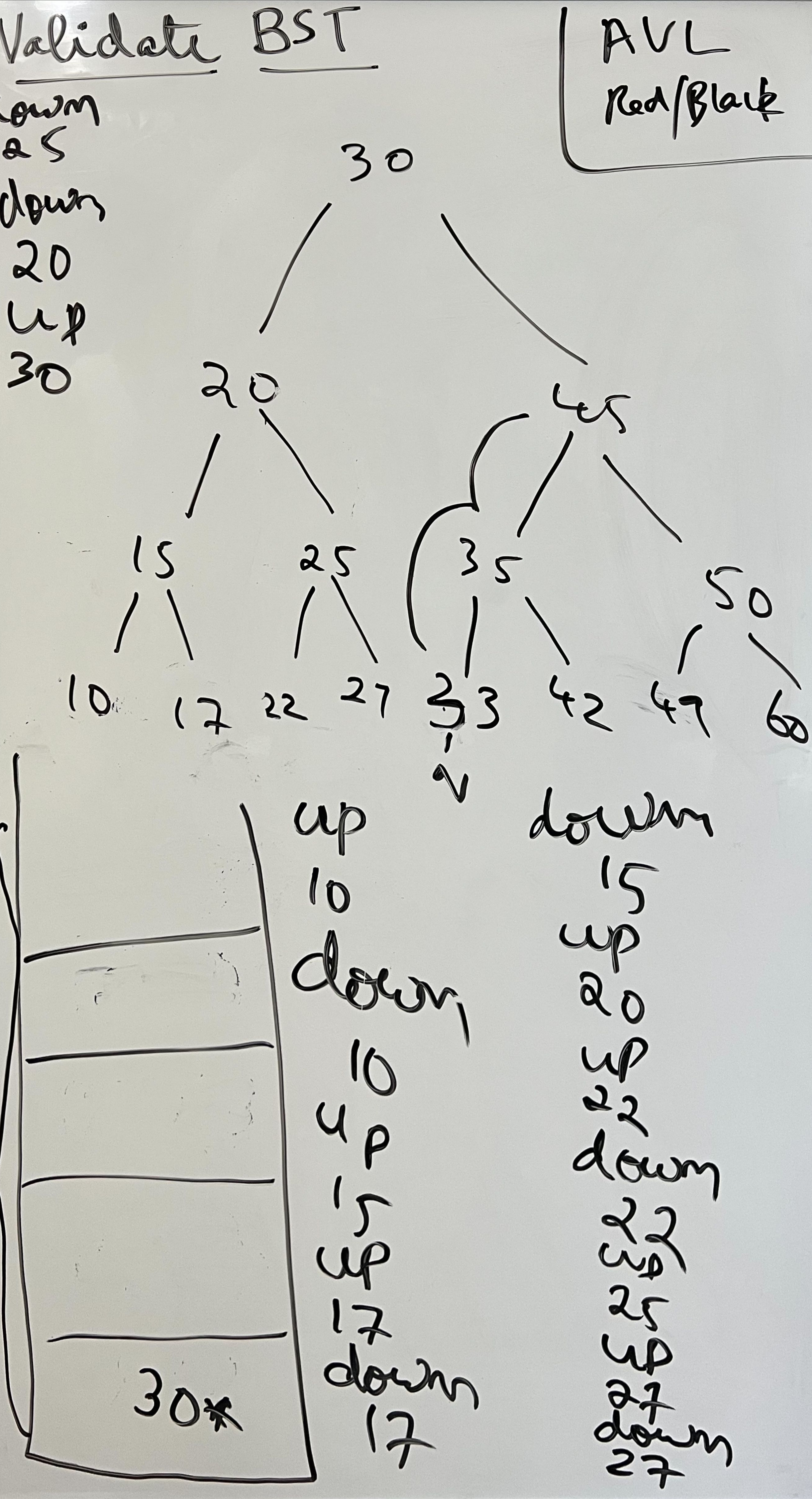
Validate BST

AVL
Red/Black

down
25
down
20
up
30



up
10
down
10
up
15
up
17
down
17

up
10
up
20
up
22
up
25
up
27
down
27

```
def inorder(root):
    if(root==null) return
    inorder(root.left)
    #St.pop() # Root =
    Print('up')
    Print(root.val)
    inorder(root.Right)
    #St.pop()
    Print('down')
    Print(root.val)
```

→ 10, 15, 17, 20, 22, 25, 27, 30

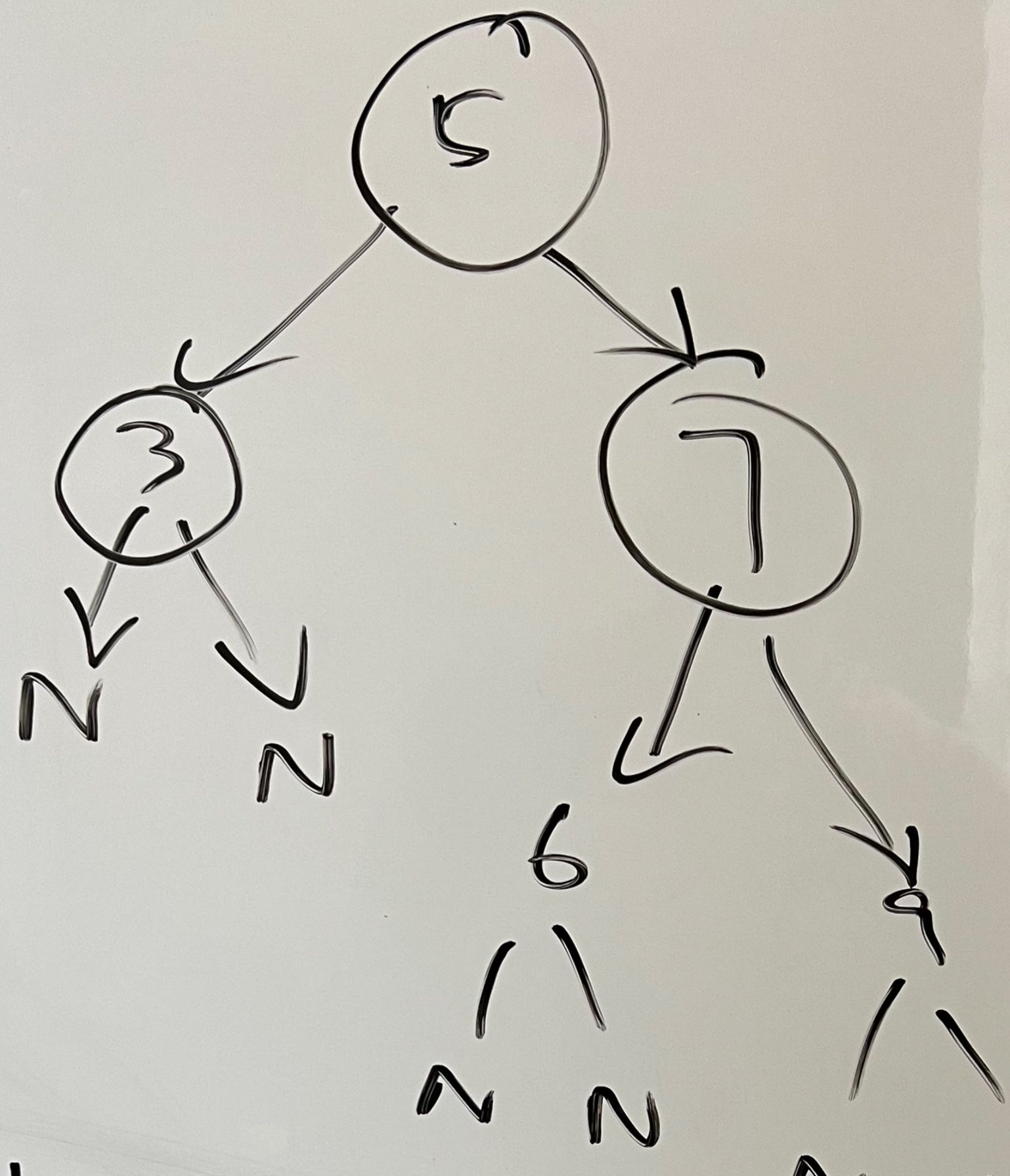
```
dfs(nums, i+1, amount)
dfs(nums, i+2, amount)
```

TC: O(n)
SC: RS + O(n)

```
def inorder(root):
    if(root == null) return
    inorder(root.left)
    #St.pop() # Root =
    Print('up')
    Print(root.val)
    inorder(root.Right)
    #St.pop()
    Print('down')
    Print(root.val)
```

→ 10, 15, 17, 20, 22, 25, 27, 30

```
xyz(nums, i+1, amount+
    (nums, i+2, amount))
```



Inorder - L - Root - Right

Preorder - Root - L - Right

Postorder - Left - Ri - Ro