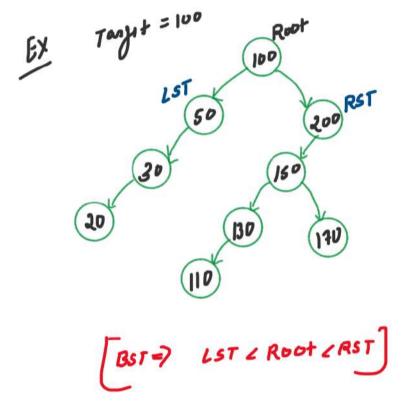
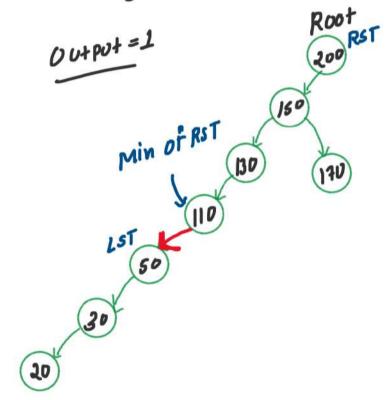
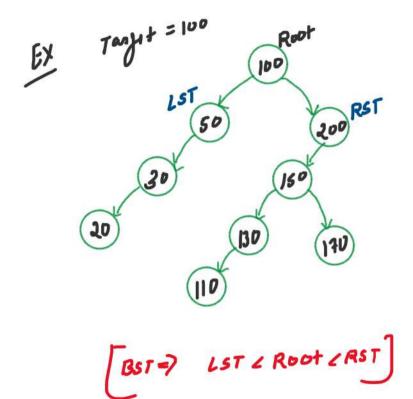
## 6. Delete Node from BST (Leetcode-450)

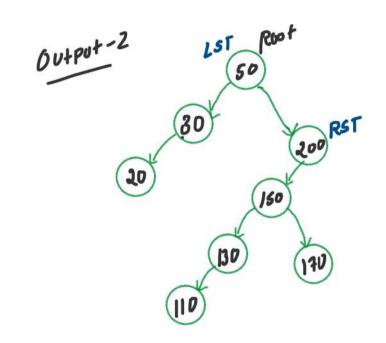


After dunting 100 => BST Natura maintain Rah

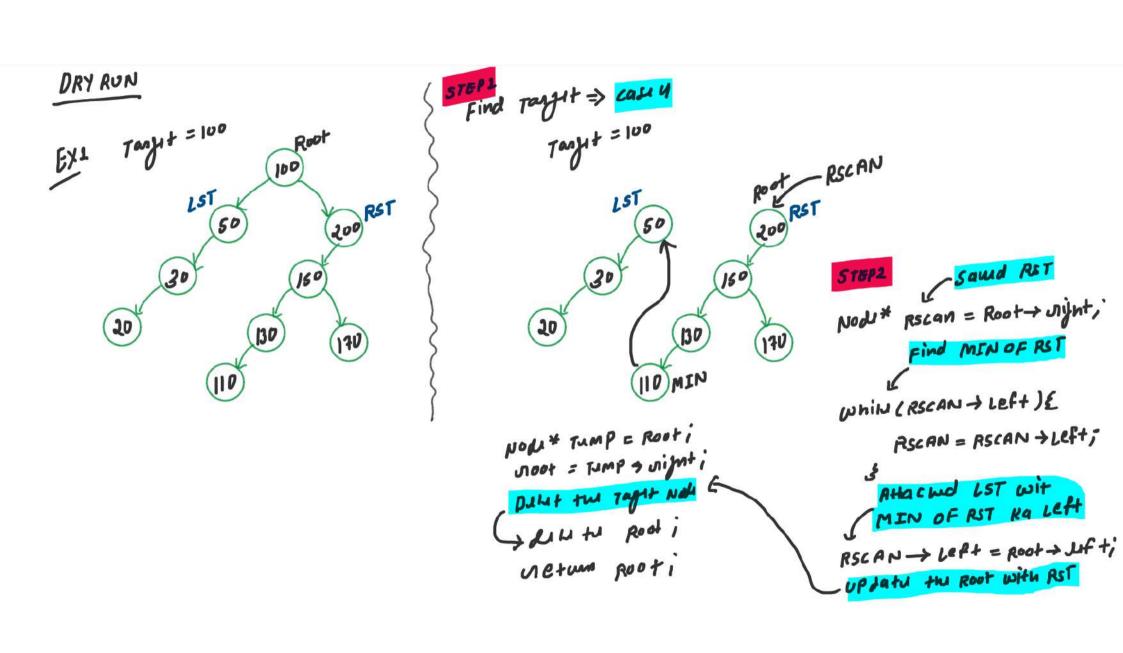


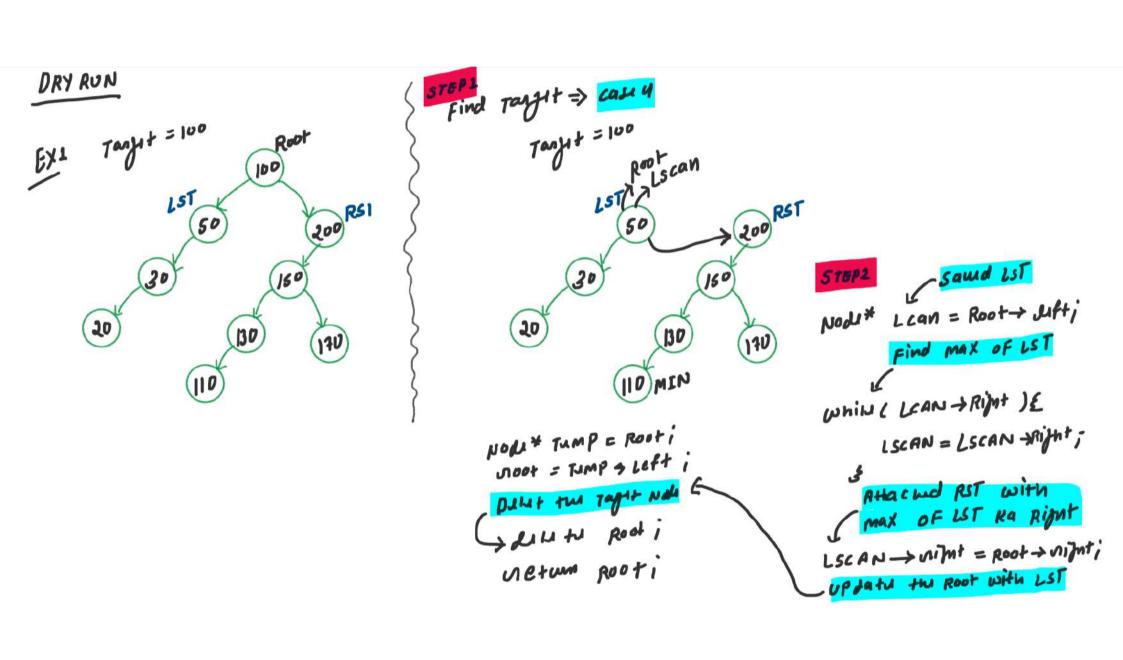


Aftur duuting 100 => BST Natura maintain Raha









```
// 6. Delete Node From BST (Leetcode-450) with defferent approach
class Solution {
public:
    TreeNode* deleteNode(TreeNode* root, int key) {
        // Base case
        if(root == NULL) return NULL;

        // 1 case hum solve kar lenge
        if(root->val == key)
        {
            // Ab recursion solve kar lega
            else if(root->val < key)
        {
                 // Root ke right me chle jaoo
                  root->right = deleteNode(root->right, key);
        }
        else
        {
                  // Root ke left me chle jaoo
                  root->left = deleteNode(root->left, key);
        }
        return root;
    }
}
```

```
. .
        if(root->val == kev)
           if(root->left == NULL && root->right == NULL){
               return NULL;
           else if(root->left == NULL && root->right != NULL){
               root = temp->right;
           else if(root->left != NULL && root->right == NULL){
```

```
// Case 4:
else(root->left != NULL && root->right != NULL)

// LST MAX NODE FIND KRLO
auto lscan = root->left;
while(lscan->right){
   lscan = lscan->right;
}
lscan->right = root->right;
auto temp = root;
root = temp->left;
delete temp;
return root;
}
```

```
// Case 4:
else(root->left != NULL && root->right != NULL)
{
    // RST MIN NODE FIND KRLO
    auto rscan = root->right;
    while(rscan->left){
        rscan = rscan->left;
    }
    rscan->left = root->left;
    auto temp = root;
    root = temp->right;
    delete temp;
    return root;
}
```