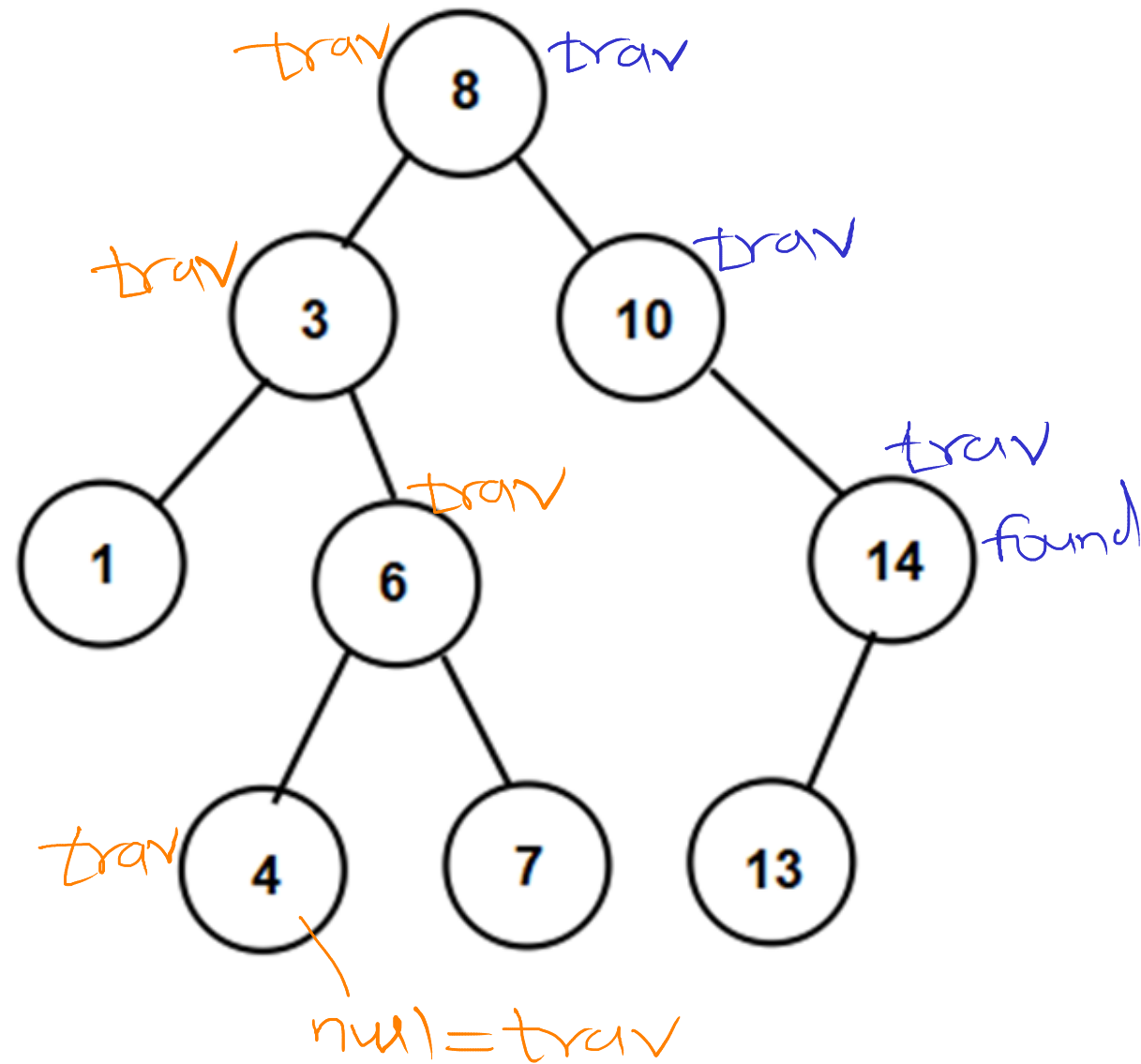


BST - Binary Search



//1. start from root

//2. if key is equal to current data

//return current node

//3. if key is less than current data

// search key into left of current node

//4. if key is greater than current data

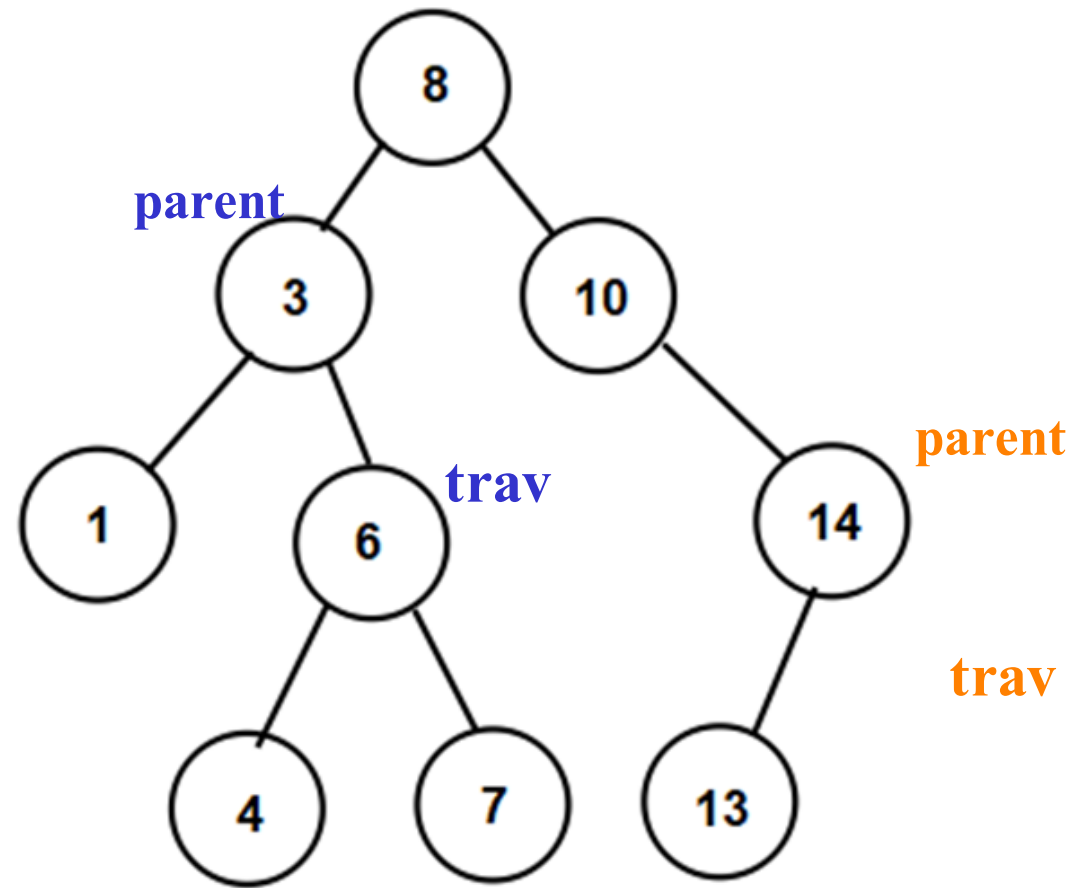
// search key into right of current node

//5. repeat step 2 to 4 till leaf nodes

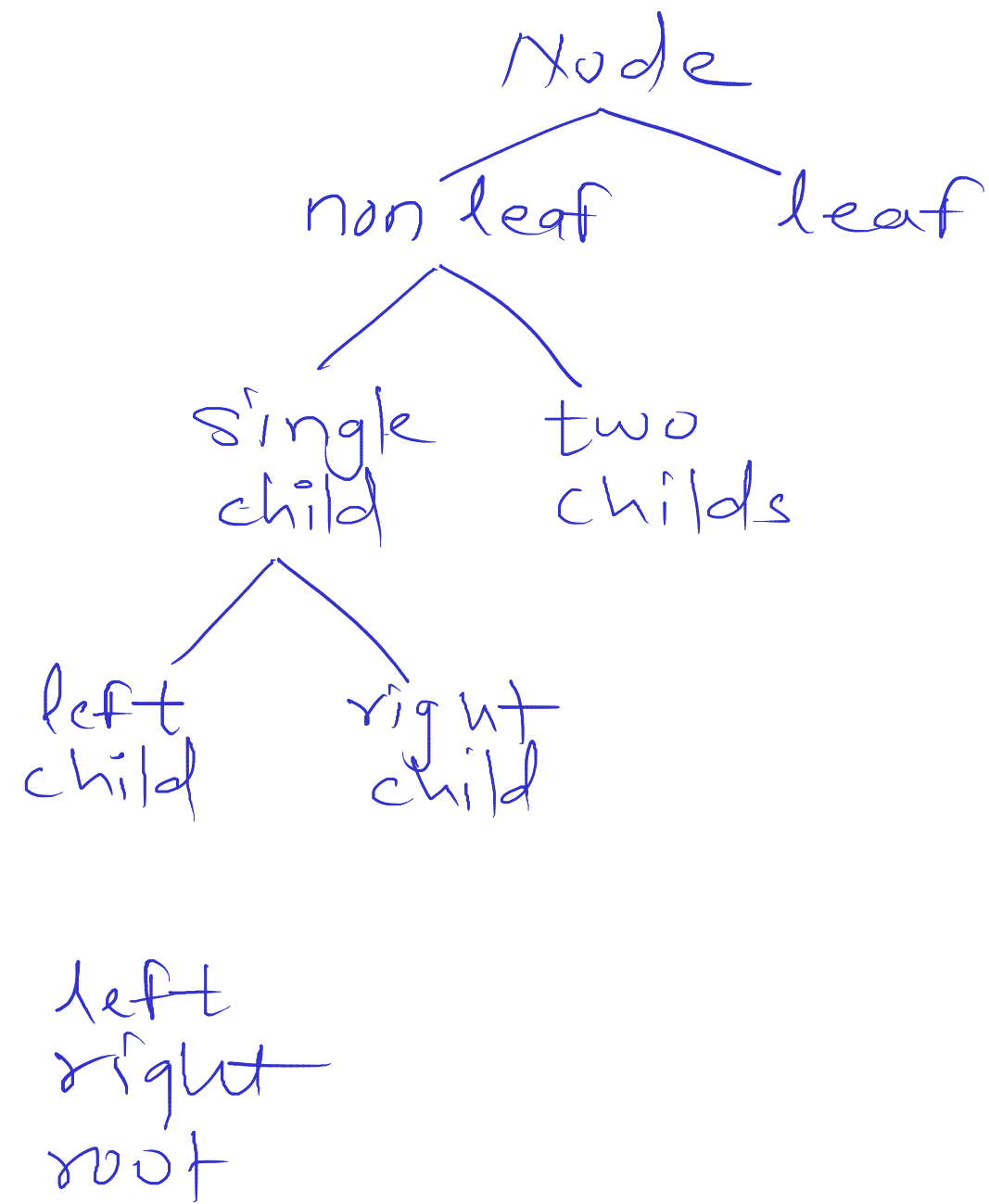
Key = 14

Key = 5

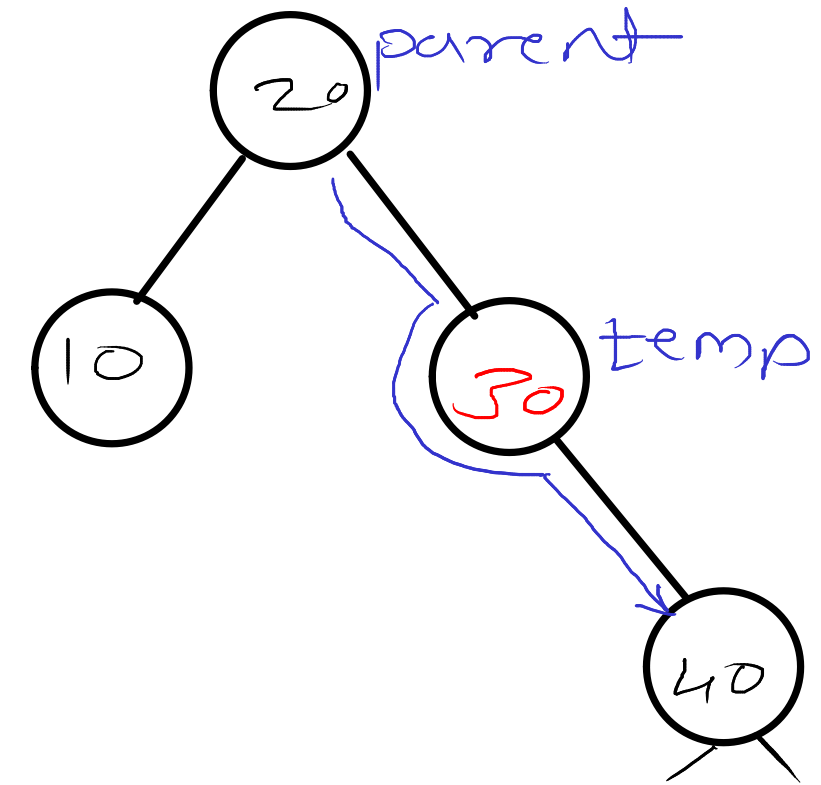
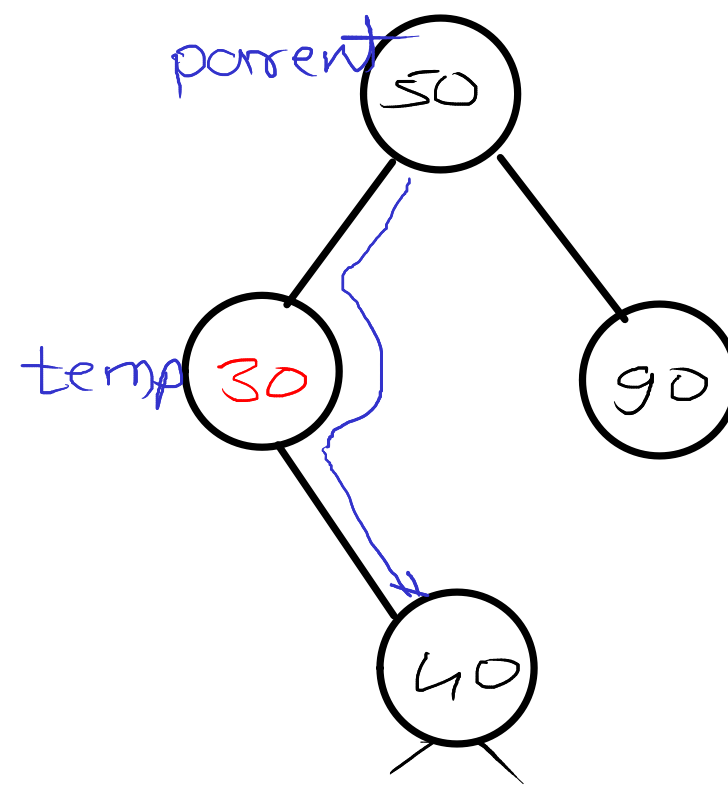
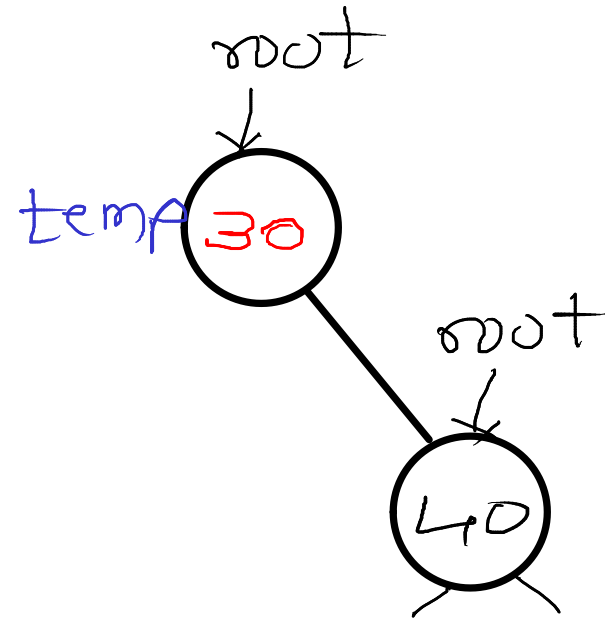
BST - Delete Node



key = 6

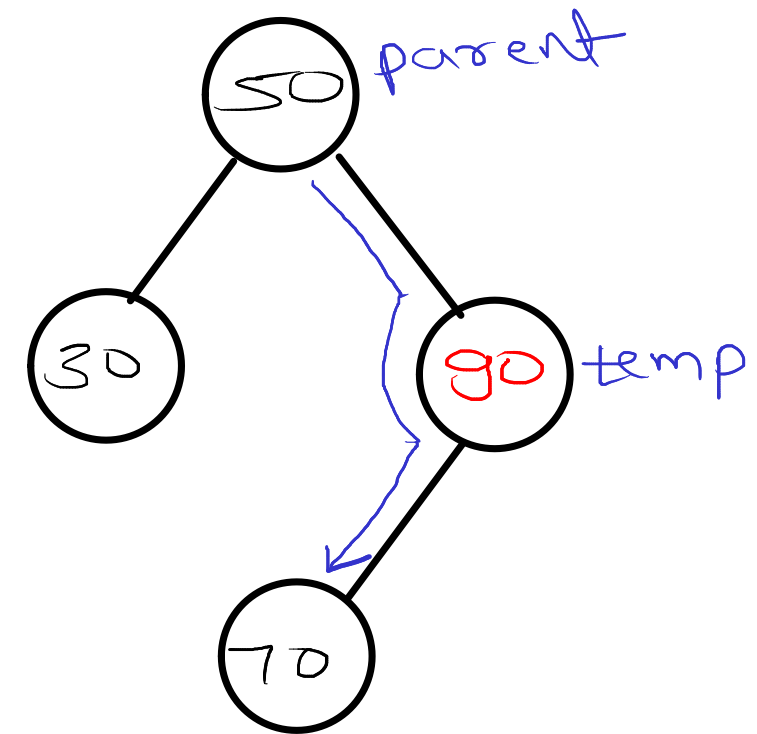
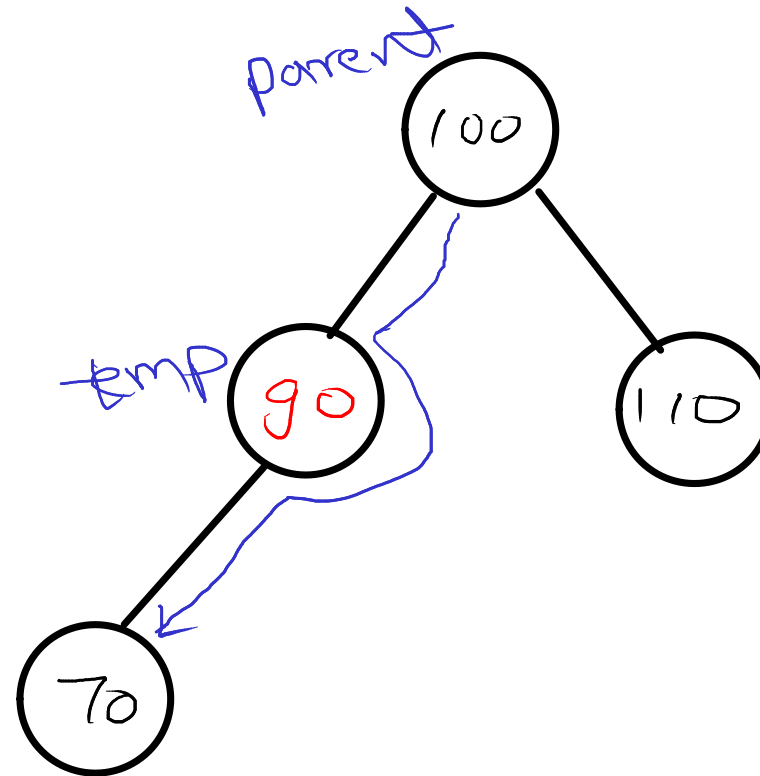
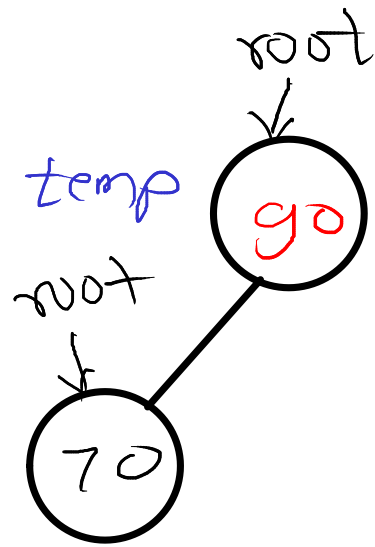


BST - Delete node which has single child (right child)



```
if(temp.left == null){  
    if(temp == root)  
        root = temp.right;  
    else if(temp == parent.left)  
        parent.left = temp.right;  
    else  
        parent.right = temp.right;  
}
```

BST - Delete node which has single child (left child)



```
if(temp.right == null){  
    if(temp == root)  
        root = temp.left;  
    else if(temp == parent.left)  
        parent.left = temp.left;  
    else  
        parent.right = temp.left;  
}
```

