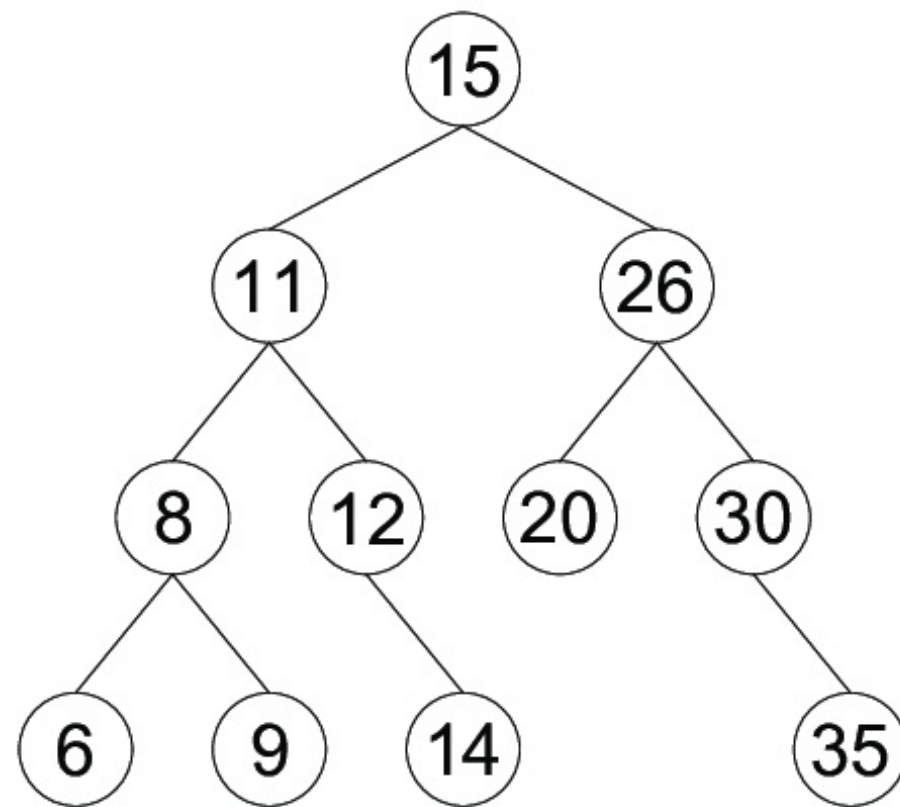
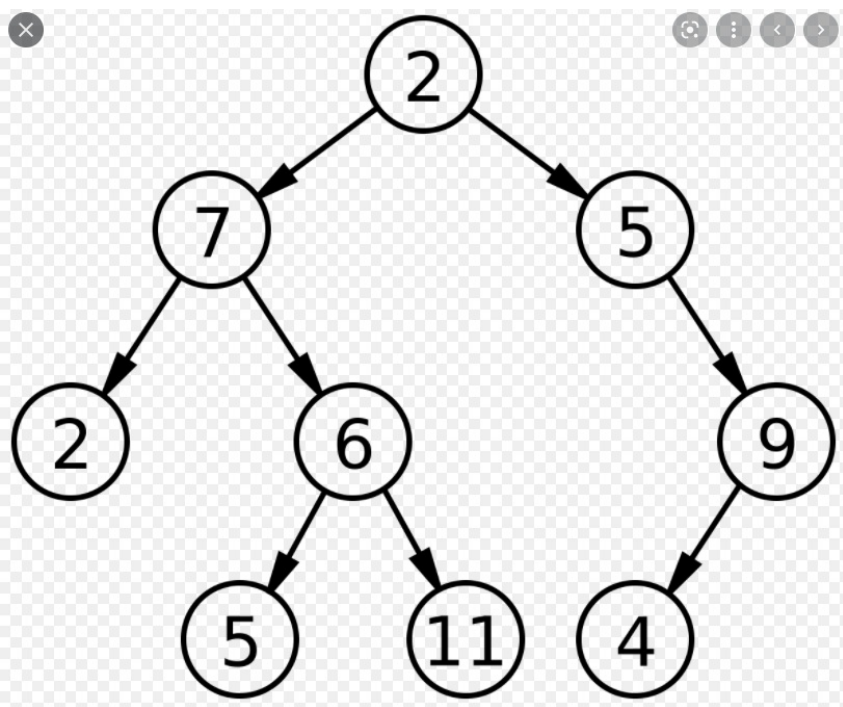


prev → (left child == null)



```
public boolean isValidBST(TreeNode node) {  
    TreeNode curr = node;  
    TreeNode prev = null;  
    while (curr != null) {  
        TreeNode left = curr.left;  
        if (left == null) {  
            if (prev != null && prev.val >= curr.val) return false;  
            prev = curr;  
            curr = curr.right;  
        } else {  
            TreeNode rmn = rightMostNode(left, curr);  
            if (rmn.right == null) { // thread creation  
                rmn.right = curr;  
                curr = curr.left;  
            } else { // destroy thread  
                rmn.right = null;  
                if (prev.val >= curr.val) return false;  
                prev = curr;  
                curr = curr.right;  
            }  
        }  
    }  
}
```

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