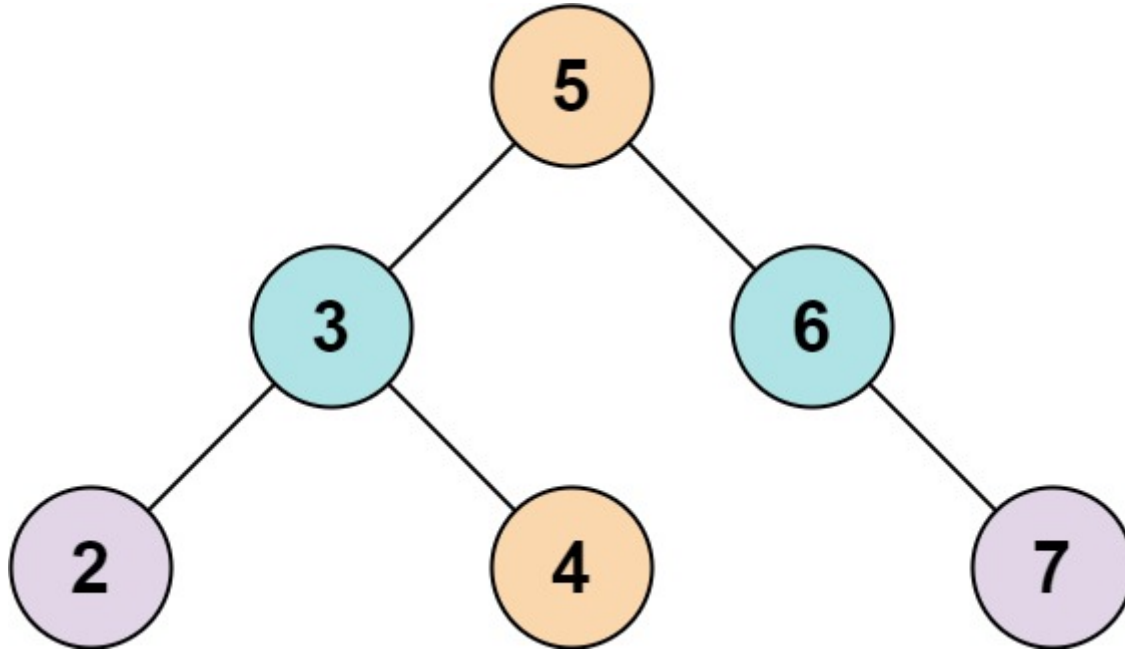


## 653. Two Sum IV - Input is a BST

Given the `root` of a Binary Search Tree and a target number `k`, return `true` if there exist two elements in the BST such that their sum is equal to the given target.



**Input:** root = [5,3,6,2,4,null,7], k = 9

**Output:** true

```
def findTarget(self, root: TreeNode, k: int) -> bool:
    res = []
    self.helper(root, res)
    i = 0
    j = len(res)-1
    while i!=j:
        temp = res[i]+res[j]
        if temp<k:
            i = i+1
        elif temp>k:
            j = j-1
        else:
            return True
    return False

def helper(self, root, res):
    if root is None:
```

return

```
self.helper(root.left, res)
res.append(root.val)
self.helper(root.right, res)
```