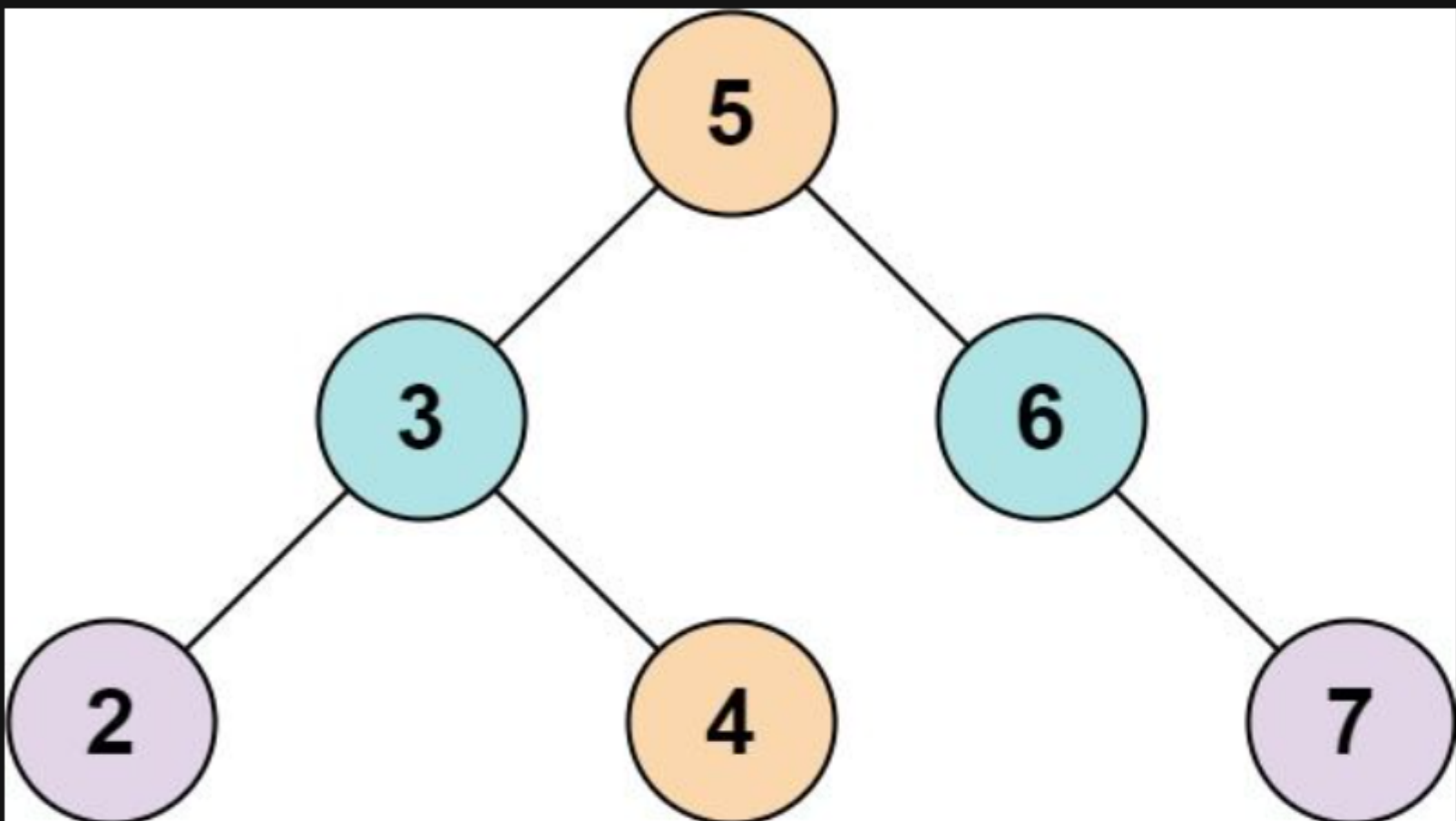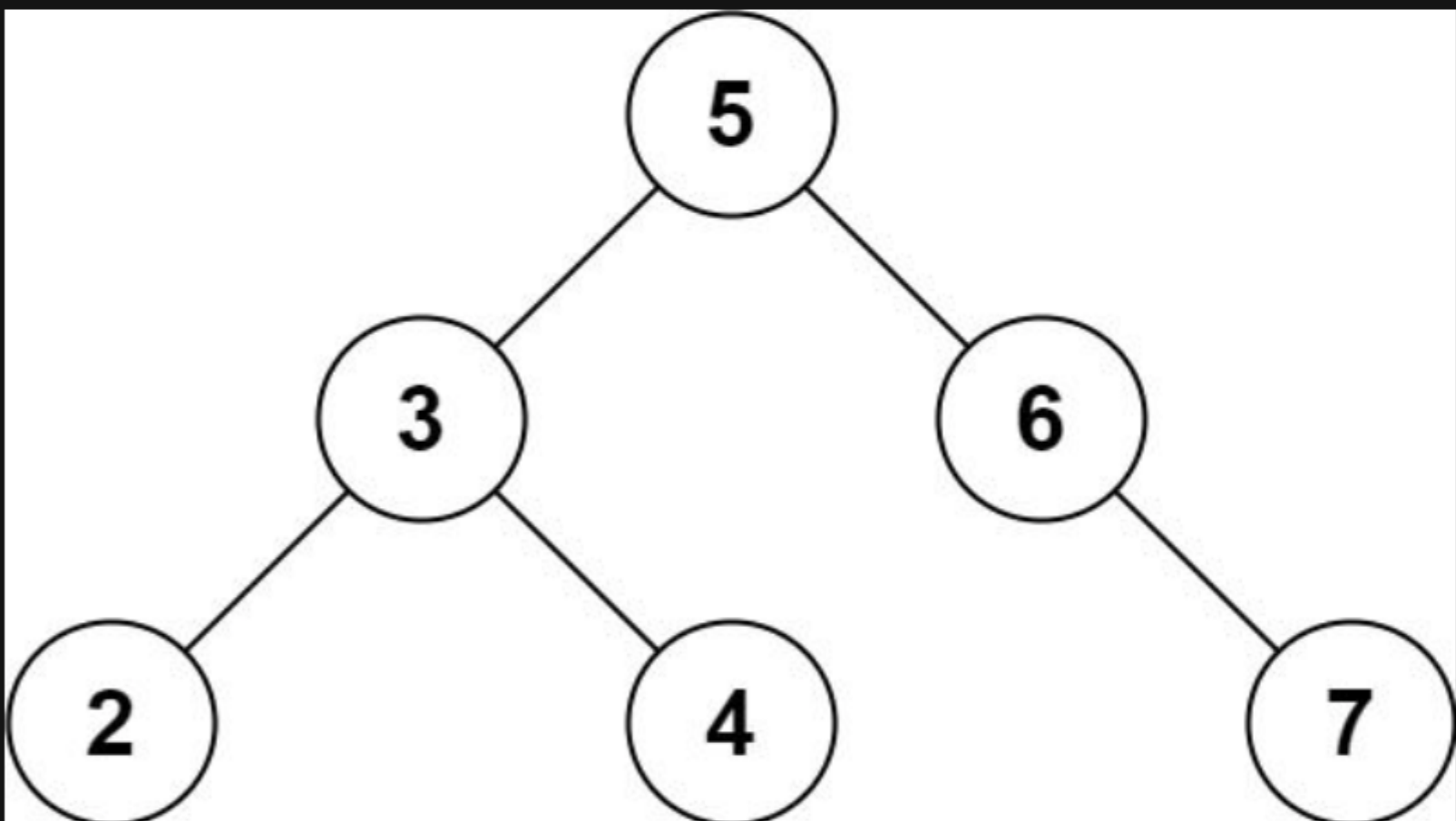# 653. Two Sum IV - Input is a BST

Description

Given the `root` of a binary search tree and an integer `k`, return `true` *if there exist two elements in the BST such that their sum is equal to* `k`, *or* `false` *otherwise*.

Example 1:


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

Example 2:


```
Input: root = [5,3,6,2,4,null,7], k = 28
Output: false
```

Constraints:

- The number of nodes in the tree is in the range $[1, 10^4]$.
- $-10^4 <= $ `Node.val` $ <= 10^4$
- `root` is guaranteed to be a **valid** binary search tree.
- $-10^5 <= k <= 10^5$