

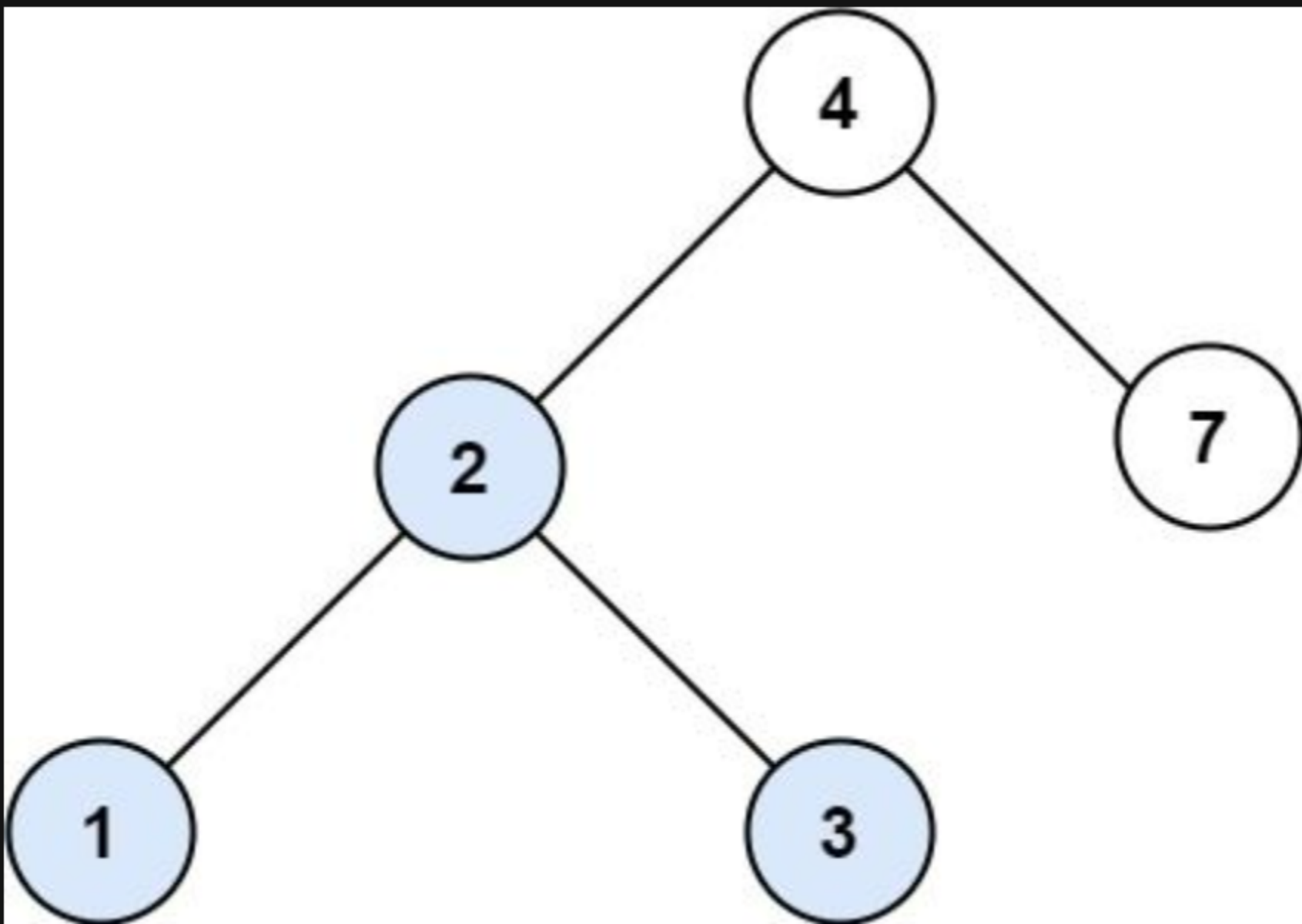
700. Search in a Binary Search Tree

Description

You are given the `root` of a binary search tree (BST) and an integer `val`.

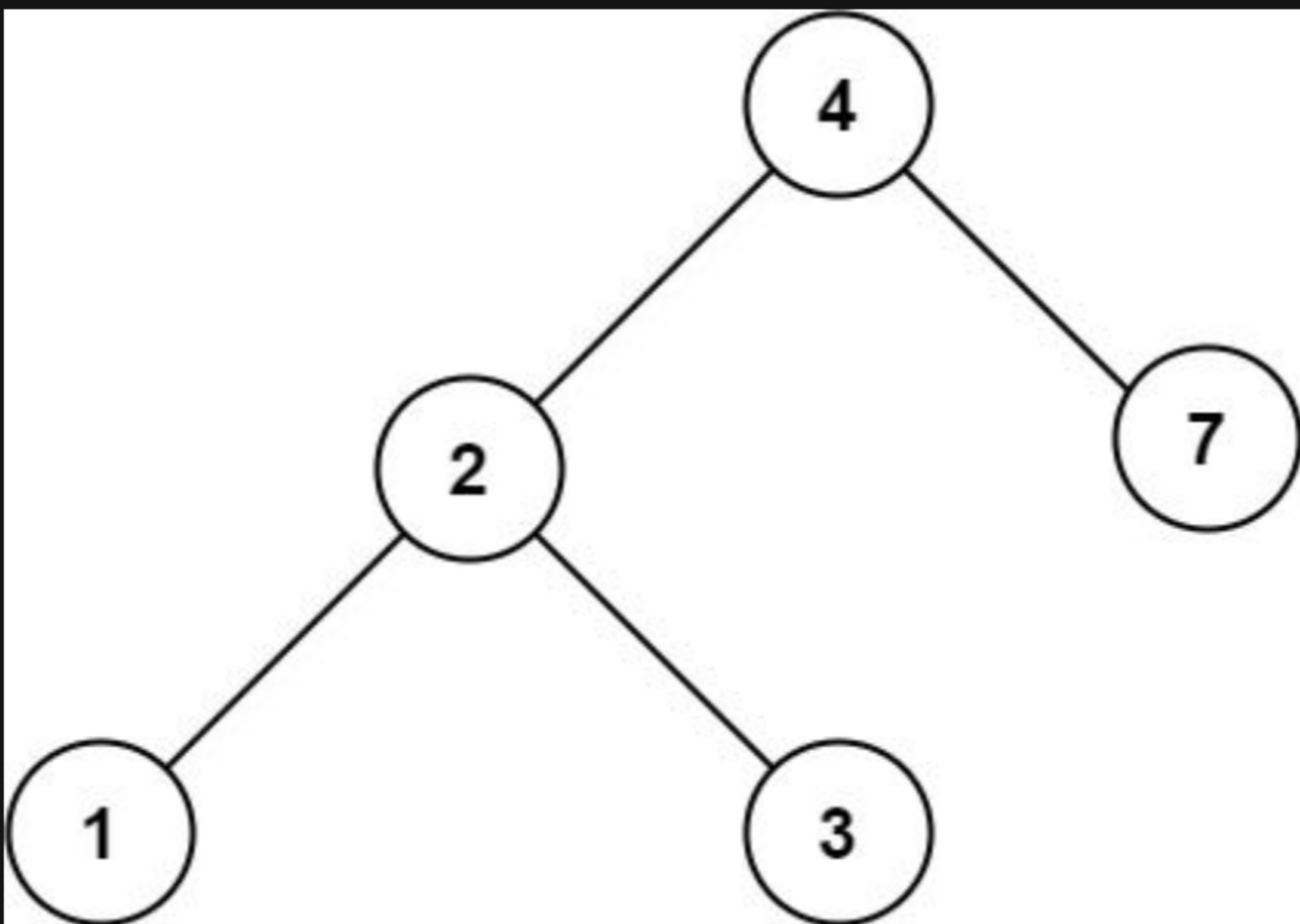
Find the node in the BST that the node's value equals `val` and return the subtree rooted with that node. If such a node does not exist, return `null`.

Example 1:



Input: `root = [4,2,7,1,3]`, `val = 2`
Output: `[2,1,3]`

Example 2:



Input: `root = [4,2,7,1,3]`, `val = 5`
Output: `[]`

Constraints:

- The number of nodes in the tree is in the range `[1, 5000]`.
- `1 <= Node.val <= 107`
- `root` is a binary search tree.
- `1 <= val <= 107`

