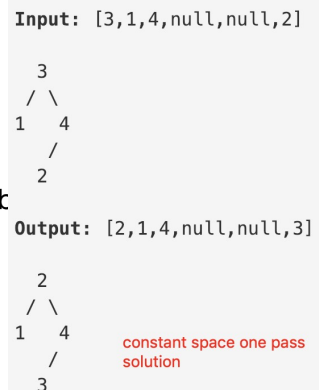


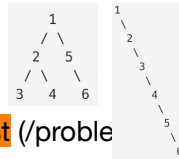
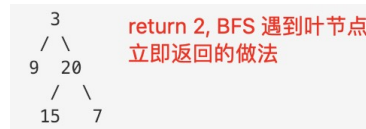
Pre-order

- 99 **Recover Binary Search Tree** (/problems/recover-binary-search-tree)



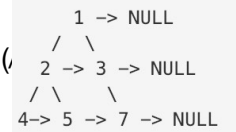
- 105 **Construct Binary Tree from Preorder and Inorder Traversal**  
The solution didn't use recursion,
- 106 **Construct Binary Tree from Inorder and Postorder Traversal**  
(/problems/construct-binary-tree-from-inorder-and-postorder-traversal)

- ✓ 111 **Minimum Depth of Binary Tree**

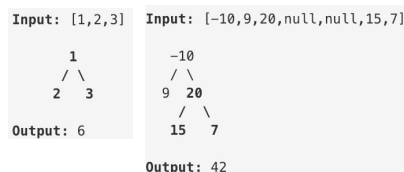


- ✓ 114 **Flatten Binary Tree to Linked List** (/problems/flatten-binary-tree-to-linked-list)

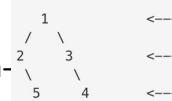
- ✓ 117 **Populating Next Right Pointers in Each Node II** (/problems/populating-next-right-pointers-in-each-node-ii)



- ✓ 124 **Binary Tree Maximum Path Sum** (/problems/binary-tree-maximum-path-sum)



Input: [1,2,3,null,5,null,4]  
Output: [1, 3, 4]  
Explanation:



- 173 **Binary Search Tree Iterator** (/problems/binary-search-tree-iterator)

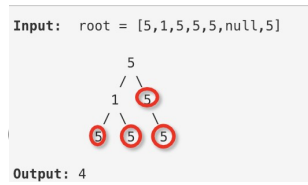
- 199 **Binary Tree Right Side View** (/problems/binary-tree-right-side-view)

- 222 **Count Complete Tree Nodes** (/problems/count-complete-tree-nodes)

In a complete binary tree every level, except possibly the last, is completely filled, and all nodes in the last level are as far left as possible. It can have between 1 and  $2^h$  nodes inclusive at the last level  $h$ .



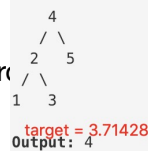
✓ 250 [Count Univalue Subtrees](#) (/problems/count-univalue-subtrees) 📌



255 [Verify Preorder Sequence in Binary Search Tree](#) (/problems/verify-preorder-sequence-in-binary-search-tree) 📌

Input: [5,2,1,3,6]  
Output: true

✓ 272 [Closest Binary Search Tree Value II](#) (/problems/closest-binary-search-tree-value-ii) 📌



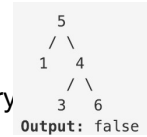
✓ 298 [Binary Tree Longest Consecutive Sequence](#) (/problems/binary-tree-longest-consecutive-sequence) 📌

Input: [10,5,15,1,8,null,7]

333 [Largest BST Subtree](#) (/problems/largest-bst-subtree) 📌



✓ 98 [Validate Binary Search Tree](#) (/problems/validate-binary-search-tree) 📌

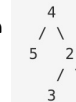


Input: [1,2,3,4,5]

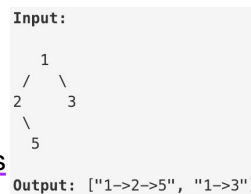


Output: return the root of the BST

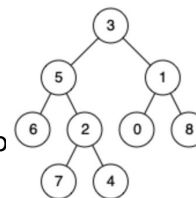
156 [Binary Tree Upside Down](#) (/problems/binary-tree-upside-down) 📌



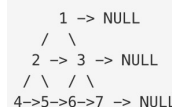
✓ 257 [Binary Tree Paths](#) (/problems/binary-tree-paths) 📌



✓ 236 [Lowest Common Ancestor of a Binary Tree](#) (/problems/lowest-common-ancestor-of-a-binary-tree) 📌

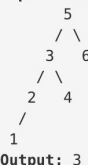


✓ 116 [Populating Next Right Pointers in Each Node](#) (/problems/populating-next-right-pointers-in-each-node) 📌



✓ 297 [Serialize and Deserialize Binary Tree](#) (/problems/serialize-and-deserialize-binary-tree) 📌

Input: root = [5,3,6,2,4,null,null,1], k = 3

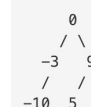


The way use count

✓ 230 [Kth Smallest Element in a BST](#) (/problems/kth-smallest-element-in-a-bst) 📌

Given the sorted array: [-10,-3,0,5,9],

✓ 108 [Convert Sorted Array to Binary Search Tree](#) (/problems/convert-sorted-array-to-binary-search-tree) 📌



- ✓ 285 **Inorder Successor in BST** (/problems/inorder-successor-in-bst) 📌
- ✓ 366 ~~Find Leaves of Binary Tree~~ (/problems/find-leaves-of-binary-tree) 📌
- 404 Sum of Left Leaves (/problems/sum-of-left-leaves)
- 437 Path Sum III (/problems/path-sum-iii)
- 449 Serialize and Deserialize BST (/problems/serialize-and-deserialize-bst)
- 450 Delete Node in a BST (/problems/delete-node-in-a-bst)
- 501 Find Mode in Binary Search Tree (/problems/find-mode-in-binary-search-tree)
- 508 Most Frequent Subtree Sum (/problems/most-frequent-subtree-sum)
- 513 Find Bottom Left Tree Value (/problems/find-bottom-left-tree-value)
- 515 Find Largest Value in Each Tree Row (/problems/find-largest-value-in-each-tree-row)
- 536 Construct Binary Tree from String (/problems/construct-binary-tree-from-string) 📌
- ✓ 543 Diameter of Binary Tree (/problems/diameter-of-binary-tree)
- 538 Convert BST to Greater Tree (/problems/convert-bst-to-greater-tree)
- 545 Boundary of Binary Tree (/problems/boundary-of-binary-tree) 📌
- 549 Binary Tree Longest Consecutive Sequence II (/problems/binary-tree-longest-consecutive-sequence-ii) 📌
- 563 Binary Tree Tilt (/problems/binary-tree-tilt)
- 572 Subtree of Another Tree (/problems/subtree-of-another-tree)
- 582 Kill Process (/problems/kill-process) 📌
- 606 Construct String from Binary Tree (/problems/construct-string-from-binary-tree)
- ✓ 617 Merge Two Binary Trees (/problems/merge-two-binary-trees)
- 623 Add One Row to Tree (/problems/add-one-row-to-tree)
- 637 Average of Levels in Binary Tree (/problems/average-of-levels-in-binary-tree)
- 652 Find Duplicate Subtrees (/problems/find-duplicate-subtrees)
- 653 Two Sum IV - Input is a BST (/problems/two-sum-iv-input-is-a-bst)

- 654 [Maximum Binary Tree \(/problems/maximum-binary-tree\)](/problems/maximum-binary-tree)
- 655 [Print Binary Tree \(/problems/print-binary-tree\)](/problems/print-binary-tree)
- 662 [Maximum Width of Binary Tree \(/problems/maximum-width-of-binary-tree\)](/problems/maximum-width-of-binary-tree)
- 663 [Equal Tree Partition \(/problems/equal-tree-partition\)](/problems/equal-tree-partition) 🔒
- 666 [Path Sum IV \(/problems/path-sum-iv\)](/problems/path-sum-iv) 🔒
- ✓ 669 [Trim a Binary Search Tree \(/problems/trim-a-binary-search-tree\)](/problems/trim-a-binary-search-tree)
- 671 [Second Minimum Node In a Binary Tree \(/problems/second-minimum-node-in-a-binary-tree\)](/problems/second-minimum-node-in-a-binary-tree)
- 684 [Redundant Connection \(/problems/redundant-connection\)](/problems/redundant-connection)
- 685 [Redundant Connection II \(/problems/redundant-connection-ii\)](/problems/redundant-connection-ii)
- 687 [Longest Univalue Path \(/problems/longest-univalue-path\)](/problems/longest-univalue-path)
- 742 [Closest Leaf in a Binary Tree \(/problems/closest-leaf-in-a-binary-tree\)](/problems/closest-leaf-in-a-binary-tree) 🔒
- 814 [Binary Tree Pruning \(/problems/binary-tree-pruning\)](/problems/binary-tree-pruning)
- 834 [Sum of Distances in Tree \(/problems/sum-of-distances-in-tree\)](/problems/sum-of-distances-in-tree)
- 863 [All Nodes Distance K in Binary Tree \(/problems/all-nodes-distance-k-in-binary-tree\)](/problems/all-nodes-distance-k-in-binary-tree)
- 865 [Smallest Subtree with all the Deepest Nodes \(/problems/smallest-subtree-with-all-the-deepest-nodes\)](/problems/smallest-subtree-with-all-the-deepest-nodes)
- 426 [Convert Binary Search Tree to Sorted Doubly Linked List \(/problems/convert-binary-search-tree-to-sorted-doubly-linked-list\)](/problems/convert-binary-search-tree-to-sorted-doubly-linked-list) 🔒
- 701 [Insert into a Binary Search Tree \(/problems/insert-into-a-binary-search-tree\)](/problems/insert-into-a-binary-search-tree)
- 700 [Search in a Binary Search Tree \(/problems/search-in-a-binary-search-tree\)](/problems/search-in-a-binary-search-tree)
- 590 [N-ary Tree Postorder Traversal \(/problems/n-ary-tree-postorder-traversal\)](/problems/n-ary-tree-postorder-traversal)
- 589 [N-ary Tree Preorder Traversal \(/problems/n-ary-tree-preorder-traversal\)](/problems/n-ary-tree-preorder-traversal)
- 429 [N-ary Tree Level Order Traversal \(/problems/n-ary-tree-level-order-traversal\)](/problems/n-ary-tree-level-order-traversal)
- 559 [Maximum Depth of N-ary Tree \(/problems/maximum-depth-of-n-ary-tree\)](/problems/maximum-depth-of-n-ary-tree)
- 431 [Encode N-ary Tree to Binary Tree \(/problems/encode-n-ary-tree-to-binary-tree\)](/problems/encode-n-ary-tree-to-binary-tree) 🔒
- 428 [Serialize and Deserialize N-ary Tree \(/problems/serialize-and-deserialize-n-ary-tree\)](/problems/serialize-and-deserialize-n-ary-tree) ?

- 872 Leaf-Similar Trees (/problems/leaf-similar-trees)
- 889 Construct Binary Tree from Preorder and Postorder Traversal (/problems/construct-binary-tree-from-preorder-and-postorder-traversal)
- 894 All Possible Full Binary Trees (/problems/all-possible-full-binary-trees)
- 897 Increasing Order Search Tree (/problems/increasing-order-search-tree)
- 919 Complete Binary Tree Inserter (/problems/complete-binary-tree-inserter)
- 951 Flip Equivalent Binary Trees (/problems/flip-equivalent-binary-trees)
- 958 Check Completeness of a Binary Tree (/problems/check-completeness-of-a-binary-tree)