Example 1:

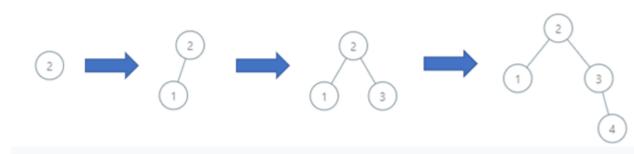
farthest leaf node.

• All subsequent elements are inserted as the **child** of **any** existing node such that the binary

A binary tree's **depth** is the number of **nodes** along the **longest path** from the root node down to the

Input: order = [2,1,4,3]
Output: 3
Explanation: The binary search tree has a depth of 3 with path 2->3->4.

Example 2:



Input: order = [2,1,3,4]
Output: 3
Explanation: The binary search tree has a depth or

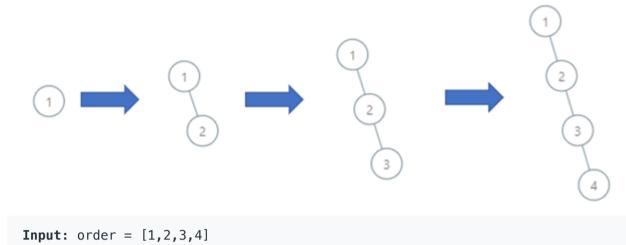
• order[0] will be the **root** of the binary search tree.

search tree properties hold.

Return the **depth** of the binary search tree.

Explanation: The binary search tree has a depth of 3 with path 2->3->4.

Example 3:



Output: 4
Explanation: The binary search tree has a depth of 4 with path 1->2->3->4.

Constraints:

• n == order.length

1 <= n <= 10⁵
 order is a permutation of integers between 1 and n.

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Related Topics

Seen this question in a real interview before? Yes No

Tree Binary Search Tree Binary Tree Ordered Set

Hide Hint 1

There are at most 2 possible places where a new node can be inserted?

Hide Hint 2

How can we keep track of the depth of each node?