Valid Binary Search Tree

Given a binary tree root node, check if the tree is a valid binary search tree.  
  
Input: Node in a Binary Tree  
Output: Boolean

# Example

Input: Output: false

# 

# Constraints

Time Complexity: O(N)  
Auxiliary Space Complexity: O(N)

The binary tree node has the following properties:

value : an integer  
leftChild : default null  
rightChild : default null

# Solution

1. Perform an in-order depth first search and push values into an array
2. Check to see whether the array is sorted in ascending order

# Notes

Can be solved using recursion with side effects.

# Resources

https://leetcode.com/problems/validate-binary-search-tree/