**Is Binary Tree BST**

**Every node in a binary search tree holds the following properties:**

* **The left subtree has nodes with values less than its own.**
* **The right subtree has nodes with values greater than its own.**
* **The left and right subtrees must also be Binary Search Trees.**

**Given the root node of a binary tree, determine whether it's a binary search tree.**

**A diagram of a number

Description automatically generated with medium confidence**

**Testing**

**Input Format**

**The first line contains an integer *T* denoting the number of test cases.**

**For each test case, the input has 2 lines:**

* **The first line contains an integer *n* denoting the number of nodes in the tree (including the NULL nodes).**
* **The second line contains *n* space-separated integers that will form the binary tree. The integers follow level order traversal of the tree where -1 indicates a NULL node.**

**Output Format**

**For each test case, the output contains a line with 1 or 0 based on whether the binary tree is a binary search tree or not respectively.**

**Sample Input**

**5**

**7**

**6 4 8 1 5 -1 12**

**3**

**6 -1 4**

**2**

**6 8**

**6**

**17 11 28 -1 -1 18**

**1**

**6**

**Expected Output**

**1**

**0**

**0**

**1**

**1**