**Two Sum in BST**

**(The test cases may not be correct because some of them are normal tree instead of BST)**

**Given the root node of a binary search tree and a number k, find out if two nodes exist in the tree which add upto k.**

**A diagram of a diagram

Description automatically generated**

**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.**
* **The third line contains an integer *k*.**

**Output Format**

**For each test case, the output contains 1 or 0 based on whether the required pair exists or not.**

**Sample Input**

**4**

**9**

**2 1 3 -1 -1 -1 5 4 7**

**4**

**7**

**6 3 21 -1 -1 -1 89**

**1**

**12**

**8 3 9 -1 4 -1 10 -1 -1 -1 12 11**

**7**

**4**

**28 14 -1 11**

**2**

**Expected Output**

**1**

**0**

**1**

**0**