**Preorder Traversal and BST:-**

Given an array **arr**of size **n**, write a program that**prints 1**if given array can represent preorder traversal of a BST, else **prints 0**.

**Input:**  
The first line of input contains an integer T denoting the number of test cases. T testcases follow. Each testcase contains two lines of input.  
The first line of each test case is n, denoting the size of array.  
The second line of each test case contains n elements of the array.

**Output:**  
For each testcase, in a new line, **print 1**if the array represents preorder traversal else **print 0**.

**Constraints:**  
1 <= T<= 100  
1 <= n <= 103  
1 <= arr[i] <= 103

**Example:**  
**Input:**  
3  
5  
40 30 35 80 100  
8  
40 30 32 35 80 90 100 120  
8  
7  9 6 1 4 2 3 40

**Output:**  
1  
1  
0