Linear Time certification algorithm.

1. Design a linear-time certification algorithm to check whether an array pq[] is a min-oriented heap.

Input Format:

- The first line of the input contains the number of **T** test cases.
- For each test case:
  - The first line of each test case contains n value. (Indicates the number of elements).
  - The elements are separated by comma and followed by a space (,).
  - There will be a blank line for each test case.

Output Format:

- Print “true.” Or “false.” for each test case. Print “true.” (Excluding double quotes) if the given array follows min-oriented heap, otherwise “false.”

Constraints:

- $1 \leq T \leq 10$. (Test Cases)
- $1 \leq N \leq 10^3$

Sample Input:

1
5
1, 2, 3, 5, 4

Sample Output:

true.