**Minimum Towers**

You are given **N** rings in a certain order. Whenever two rings are on top of each other, the lower ring must be larger than the upper ring.

You must process the rings in the given order. You can either place the current ring on top of an existing tower or create a new tower. What is the minimum number of towers you must make?

**Input:** The first line contains **N**, the number of rings. The next line contains **N** space-separated integers that represent each ring and their size.

**Output:** The minimum number of towers.

**Example Input:**

5

3 8 2 1 5

**Example Output:**

2

**Explanation:** You only need to make two towers. The first tower contains 3, 2, 1 in that order. The second tower contains 8, 5 in that order.