

Help Pikachu

Our favourite pokémon Pikachu was taught Arrays for the 1st time in his Computer Science class. On reaching home he was awed by the concept and a strange problem struck his mind. He wrote an array of numbers on a piece of paper.

For example say, 1 2 0 3 9 4 7 5 6 2 1. Now he observed that some elements like 5,4,3,0,2,1 have atleast one bigger element on their right. For example, 5 has one greater element 6; 4 has 5 and 6; 3 has 4,5,7,6 and so on.

Since Pikachu is new to programming he needs your help.

Input

1st line contains a number T- no. of test cases.

For each test case the 1st line has an integer N ($1 \leq N \leq 50$) \rightarrow Size of the array.

The 2nd line consists of the array.

Output

An integer that corresponds to the required answer

Example

Input:

1

5

5705 28145 23281 16827 9961

Output:

1

Explanation: 5705 is the only number that has atleast one greater element to its right.