**Function Description**

There is a leader board with scores of each player on it. You have to find out what will be the rank of the new players joining with there respective scores.Equal scores will be allotted the same rank, the next smaller score will be allotted the immediately following ranking rank.

**Input Format**

The first line of input will provide all the scores, separated by space.

The second line of input will provide the new players' scores, separated by spaces.

**Output Format**

Display the rank of each new player in seperate line immediately after it is added to the leader board.

**Sample Input**

2 1 3 4 5 6 7 8 9

9 8 10

**Sample Output**

1

2

1

**Explanation**

Before adding 10 to the leader board, 9 was first ranking after that 10 became first as no other score was greater than it.