Matrix

Jojo has a matrix n x n. He wants to know what is the largest number for every row and column.

Format Input
The input begins with a single positive integer T on a line by itself indicating the number of test cases. In each test case, there is a positive integer N indicating the size of the matrix. This is followed by N^2 integers separated by white-space (newlines and spaces). These N^2 integers make up the array in row-major order(i.e., all numbers on the first row, left-to-right, then all numbers on the second row, left-to-right, etc). N may be as large as 100. The numbers in the array will be in the range [-127,127].

Format Output
For each test case, you should output the case number starting from 1. The next line should be "Row : " followed by the largest number for every row, then "Col : " followed by the largest number for every column.

Constraints
1 <= N <= 100
-127 <= A_{ij} <= 127

Sample Input 1	Sample Output 1
2 3 1 2 3 5 6 4 8 1 3 2 1 1 1 1	Case #1: Row : 3 6 8 Col : 8 6 4 Case #2: Row : 1 1 Col : 1 1