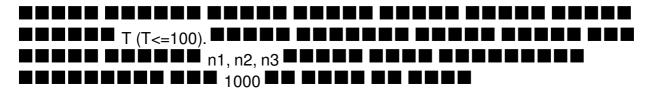
Sort them All

Given 3 distinct numbers, print them in ascending order.

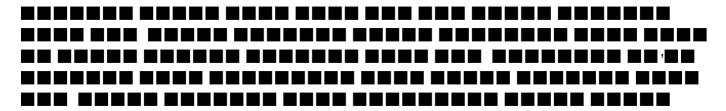
Input

First line contains the test case number T ($T \le 10$). Each line contains three integers, n1, n2, n3. None of them are greater than 1000 and all three are distinct.



Output

For each case print the case number starting from 1 and then print the three given numbers in ascending order. Two consecutive numbers must be separated by exactly one space. See sample input output for more details.



Example

Input:

3 3 2 1

123

1056

Output:

Case 1: 1 2 3 Case 2: 1 2 3 Case 3: 5 6 10