**Counting Numbers**

**Problem Description**

Write a program that reads numbers into an integer array. You may assume that there will be 100 or fewer entries in the array. Your program allows any number of numbers to be entered, up to 100 numbers. The output is to be a two-column list. The first column is a list of the distinct array elements; the second column is the count of the number of occurrences of each element. The list should be sorted on entries in the first column, largest to smallest.

**Input Format**

The first line contains an integer m which indicates the number of test cases. And the following is the m test cases. For each test cases, user can keyin n number (n<=100), and end input by keyin -999.

**Output Format**

The output is to be a two-column list. The first column is a list of the distinct array elements; the second column is the count of the number of occurrences of each element. The list should be sorted on entries in the first column, largest to smallest. The output between two cases are separated by an empty line.

**Sample Input**

|  |  |
| --- | --- |
| Sample Input | Sample Output |
| 2  1 2 3 1 2 1 4 -999  -12 3 -12 4 1 1  -12 1 -1 1 2 3 4 2  3 -12 -999 | 4 1  3 1  2 2  1 3  4 2  3 3  2 2  1 4  -1 1  -12 4 |