**Grocery List**

Lele wants to help her mother job. One of her jobs is to buy groceries for the families. Her mother has a difficult time listing the grocery list. As a good friend of Lele, help her to create a program so that Lele’s mom can create a grocery list easier.

The program should also sort the shopping list based on the quantity of the items that Lele’s mom wants to buy.

**Format Input**

The first line of the input consists of an integer N representing the number of lists that Lele’s mom wants to buy. The next N line will consist of a string S which is the name of the item and an integer Q which is the quantity of the item.

**Format Output**

The output should be written into a file named “B.txt”. The output consists of N lines where each line should be in the format of “Qx S” where Q is the quantity of the item and S is the name of the item.

**Constraints**

* 1 ≤ N ≤ 100
* 1 ≤ |S| ≤ 100, where |S| is the length of string S
* 1 ≤ Q ≤ 100
* Each item’s Q is unique, which means that there will be no items that have the same quantity

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| Sample Input 1 |
| 5  Milk 5  Oil 2  Rice 4  Noodle 8  Pan 1 |

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| Sample Output 1 |
| 1x Pan  2x Oil  4x Rice  5x Milk  8x Noodle |

Note: It’s allowed to use the string.h library here. You could use any sorting algorithm that has a time complexity better or equal to O(n^2).