### **Problem 2. Excel Functions**

You will receive a table as an input - matrix with several rows and cols. The first row is the header row. Each header can have some **filter** applied. As a second parameter you will receive a command. You should execute the command and print the table **filtered, sorted or modified**.

#### Commands:

#### hide {header}

If you receive hide command, delete the column with the corresponding header.

#### sort {header}

If you receive sort command, sort the rows in the table by the header given in **ascending order**. **Note** that the header row should **not** be sorted.

### filter {header} {value}

If you receive filter command, return the rows with the value given in the corresponding header.

# **Input / Constraints**

You will receive as first parameter multidimensional array of strings, and a string as second parameter – a command. The input will always be valid.

### **Output**

Print on the console each of the table's rows; rows elements should be separated by " | ";

## **Examples**

Input	Output
4	name   age   grade
name, age, grade	George   34   6.00
Peter, 25, 5.00	Marry   28   5.49
George, 34, 6.00	Peter   25   5.00
Marry, 28, 5.49	
sort name	
Input	Output
4	firstName   age   grade   course
firstName, age, grade, course	Marry   28   5.49   Ruby
Peter, 25, 5.00, C#-Advanced	
George, 34, 6.00, Tech	
Marry, 28, 5.49, Ruby	
filter firstName Marry	



Use filters to temporarily hide some	of the data in a table, so you can focus on the data
	you want