

# 15 My group has money troubles

5 points

## Introduction

Your group of friends travels together a lot. During your trips, people pay for others very often. But when it comes to paying back, sometimes it is not easy to settle up. Since you want your group of friends to stick together, and everyone knows that owing money does not help, you have decided to make a program that calculates how much each one needs to pay.

## Input

The input starts with the amount of lines that come afterwards. These lines include two names (each of them starting with upper case) that indicate who pays (the first one) and whom (the second one), the third value is the money lent.

```
4
Mary John 2000      ← Mary paid John 2000
John James 3000
Anna Mary 1000
James Anna 300
```

## Output

The balance of each person, ordered from who receives the most to who pays the most. In case two people have the same final balance, use alphabetical order.

```
John receives 1000
Mary receives 1000
Anna receives 700
James pays 2700
```

