

## Problem 46: Donor Sort

Difficulty: Easy

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### Problem Background

A local charity has hired you to help organize their lists of donors. The organization has a list of people who donated to the organization last year, and another list of this year's donors.

### Problem Description

The group wants to send emails to three groups of people:

- People who donated last year but didn't this year
- People who donated both years
- People who donated this year but didn't last year

Each group will receive a different email, so they need to know which donors belong to each group.

### Sample Input

The first line of your program's input, received from the standard input channel, will contain a positive integer representing the number of test cases. Each test case will include:

- The first line of each test case will contain a comma separated list of the names of last year's donors.
- The second line of each test case will contain a comma separated list of the names of this year's donors.

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Bob,Joe,Steve,Mary,Ann

Bob,Steve,Ann,Paula,Chris

Bill,Ted,Liz,Quinn

Quinn,Liz,Ken,Bill

### Sample Output

Each of your test cases should output three lines:

- On the first line, output a comma separated list of donors who gave last year but not this year.

- On the second line, output a comma separated list of donors who gave both last year and this year.
- On the third line, output a comma separated list of donors who gave this year but not last year.

Each list of names should be sorted alphabetically.

Joe,Mary  
Ann,Bob,Steve  
Chris,Paula  
Ted  
Bill,Liz,Quinn  
Ken