CSULA PROGFEST 2014
Problem 6
The Perks of Being A Programmer

Michael, a retired COBOL programmer, opened up a bakery in Los Angeles, focusing on making breads named with programming puns. His best selling item is, of course, the rubber duck, a duck shaped banana bread designed to help programmers debug their code and refuel their energy. As a treat to his fellow programmers, he decided to give them a special discount. The discount scheme is the following:

- A non-programmer gets no discount and pays full price.
- Each programmer will tell Michael his or her preferred language. If it is COBOL, he or she gets no discount at all and pays full price.
- Each non-COBOL programmer is offered an additional 10 percent discount on their total purchases, after all discounts applied.
- If a non-COBOL programmer buys two or more items, he or she gets a 15 percent discount.
- If a non-COBOL programmer buys 5 or more items, he or she gets an additional 10 percent discount after applying the two item discount.

  Your job is to write a program, not in COBOL, that will read in a list of orders and produce a total and a final total after applying the discount scheme.

Input

The first line will contain a single integer, denoting the number of purchase orders to be processed. Each purchase order will be printed as a single line in the following format: whether the customer is a programmer(either 'yes' or 'no'), followed by a single comma, followed by their preferred programming language(nothing if the customer is not a programmer), followed by a single comma, followed by list of the price of the items purchased, each price is separated by an white space.

Output

For each purchase order, in a single line, print out the total price before applying discounts, followed by a single comma, followed by the total price after applying discounts. Both prices should be rounded to the nearest hundredth. For example, 15.545 will become 15.55 and 15.544 will become 15.54.

Sample Input

```
4
no,,10.25 2.25 2.25
yes,COBOL,2.25 2.25 2.25
yes,Python,20.20 21.45 42.08 8.62 10.02
yes,Java,10.25 10.25
```

Sample Output

```
14.75,14.75
6.75,6.75
102.37,70.48
20.50,15.68
```