Coffee Machine

Create a program for a coffee machine. Calculate whether the money inserted in the machine is enough to make the order and print the corresponding output.

Input

The input is an **array of strings**. Each string represents one order with different parts, separated by comma and space **`', '`**.

- The **first part** is the **coins inserted**.
- The **second** is the **type of drink** (**coffee or tea**).
- Next, if the drink type is **coffee**, you will receive **'caffeine'** or **'decaf'**.
- Next, you may receive **'milk',** if the ordered drink is with milk. **It costs 10% of the drink price, rounded to first decimal point**
- And **last** you receive the **quantity of sugar, between 0 and 5**. **No matter the quantity (except from 0) it costs 0.10. Add the sugar at the end!**

The **prices of drinks** are:

Type	Price
coffee caffeine	0.80
coffee decaf	0.90
tea	0.80

Constrains

- The input will always be **valid**

Output

For each order there are **two possible** outputs:

- If the money inserted is enough, calculate the change of the order:

`'You ordered {drink}. Price: {price}$ Change: {change}$'`

- If the money is not enough:

`'Not enough money for {drink}. Need {moneyNeeded}$ more'`

After proceeding all orders, print the **total money earned** from the **successful** orders in the format: **`'Income Report: {totalMoney}$'`**

All of the numbers should be **formatted to the second decimal point**.

Examples

Input	Output
['1.00, coffee, caffeine, milk, 4', '0.40, tea, milk, 2', '1.00, coffee, decaf, 0']	You ordered coffee. Price: 1.00$ Change: 0.00$ Not enough money for tea. Need 0.60$ more. You ordered coffee. Price: 0.90$ Change: 0.10$ Income Report: 1.90$
Comments	
The first order is coffee with caffeine, milk and sugar. The price of the drink is 0.80$, we calculate the milk, 10% of the price, rounded to the first decimal point - 0.1$, and we add the sugar => 0.80 + 0.10 + 0.10 = 1.00. The second order is tea with milk and sugar (0.80 + 0.10 + 0.10 = 1.00), but the money inserted is not enough. Next, we receive order for coffee decaf with no milk and 0 sugar => 0.90$. The change is 0.10$. Total income = 1.90	
Input	**Output**
['8.00, coffee, decaf, 4', '1.00, tea, 2']	You ordered coffee. Price: 1.00$ Change: 7.00$ You ordered tea. Price: 0.90$ Change: 0.10$ Income Report: 1.90$