# Problem 2 – Book Orders

Bai NakMan has his own book store business. He often makes orders for new books, but the procedure is kind of complicated. You will be giventhe **number of orders N.** Each **order** holds, number of **packets, amount of books** per packet and **price** **per book.** Depending on the **number** of **packets**, you get different discount ranging from **5%** to **15%**. If the packets in the order are less than **10,** there is no discount. Otherwise they have the following discounts (**10-19 packets = 5% discount, 20-29 = 6%, 30-39 = 7%, ..., 100-109 = 14%**)**.** If the packets are **110 or more,** there is **15% discount** for all books**.** Your task is to sum how many books Bai NakMan has bought and the **end** **price** of **all** **books**. Check the examples below to understand your task better.

### Input

The input data should be read from the console.

* At the **first line** you will be given integer number **N** representing the number or orders.
* At the **next 3\*N lines** you will be given the following inputs:
  + **Book price**
  + **Number of packets**
  + **Books per packet**

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

The output should be printed on the console. It should consist of exactly **2** lines:

* On the **first line** print the amount of all bought books
* On the **second line** print the price of all books bough, rounded to the second number after the decimal point

### Constraints

* The number of **orders**, **packets** and **books** **per** **packet** will all be integers in range [0…10000].
* The **book price** will always be a floating-point number in range [±5.0 × 10-324 … ±1.7 × 10308].
* Allowed working time for your program: 0.1 seconds.
* Allowed memory: 16 MB.

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 1  25  15  10.00 | 375  3525.00 | 1 order with 25 packets, each packet holds 15 books (15\*25 = 375 books) costing 10.00. For the 25 packets we have 6% discount making each book costing 9.4. All books cost 375 \* 9.4 = 3525.00 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 2  60  10  8.00  150  100  15.90 | 15600  207045.00 | 2  100  4  6.88  188  7  10.88 | 1716  14537.09 |  | 2  5  4  7.24  64  8  9.86 | 532  4688.29 |