## Orders

Write a program, which keeps information about **products** and their **prices**. Each product has a **name**, a **price** and its **quantity**. If the product **doesn't exist** yet, **add** it with its **starting quantity**.

If you receive a product, which **already exists,** **increase** its quantity by the input quantity and if its **price is different**, **replace** the price as well.

You will receive products' **names**, **prices** and **quantities** on **new lines**.Until you receive the command "**buy**", keep adding items. When you do receive the command "**buy**", print the items with their **names** and **total price** of all the products with that name.

**Input**

* Until you receive "**buy**", the products come in the format: "**{name} {price} {quantity}**"
* The product data is **always** delimited by a **single space**

**Output**

* Print information about **each** **product**, following the format:   
  "**{productName} -> {totalPrice}**"
* **Format** the average grade to the **2nd decimal place**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Beer 2.20 100  IceTea 1.50 50  NukaCola 3.30 80  Water 1.00 500  buy | Beer -> 220.00  IceTea -> 75.00  NukaCola -> 264.00  Water -> 500.00 |
| Beer 2.40 350  Water 1.25 200  IceTea 5.20 100  Beer 1.20 200  IceTea 0.50 120  buy | Beer -> 660.00  Water -> 250.00  IceTea -> 110.00 |
| CesarSalad 10.20 25  SuperEnergy 0.80 400  Beer 1.35 350  IceCream 1.50 25  buy | CesarSalad -> 255.00  SuperEnergy -> 320.00  Beer -> 472.50  IceCream -> 37.50 |