

## Orders and Inventory in a Shop or Storage

You will receive 3 arrays – one with **strings for the products**, one with **longs for the quantities** and one with **doubles for the prices**. The **prices** and **quantities** correspond to the **products** and are located on the **same indexes**.

**Only** the **arrays** containing the **products** and the array containing the **prices** will have the **same lengths**. If in the **quantities** array there is **no index** that **corresponds** to the **product** you should assume the quantity is **0**.

The product you receive after the arrays will contain **not only** a string for the **name** but also a **long** which is the **quantity** that must be **ordered**.

If you have **enough quantity**, calculate the total price by **multiplying** the ordered quantity **times** the **price** and **print it** in the following format:

**{product name} x {quantity ordered} costs {total price of the order}**

Format the price to the **2<sup>nd</sup> decimal place**. Do not forget to **decrease** the **quantity** of the product.

If you do **not** have **enough quantities** print:

**We do not have enough {product name}**

### Input

- On the **first line**, you will receive array of **strings**, which represent the **names** of the products.
- On the **second line**, you will receive array of **longs**, which represent the **quantities** of the products.
- On the **third line**, you will receive array of **doubles**, which represent the **prices** of the products.

### Constraints

- The **name** and **price arrays** will **always** have the **same** length.
- You will **always** receive **existing** products

### Examples

Input	Output
<b>Bread Juice Fruits Lemons Beer</b> <b>10 50 20 30</b> <b>2.34 1.23 3.42 1.50 3.00</b> Bread 10 Juice 5 Beer 20 Done	Bread x 10 costs 23.40 Juice x 5 costs 6.15 We do not have enough Beer
<b>Tomatoes Onions Lemons</b> <b>10000 2000</b> <b>5.40 3.20 2.20</b> Tomatoes 5000 Tomatoes 5000 Tomatoes 1	Tomatoes x 5000 costs 27000.00 Tomatoes x 5000 costs 27000.00 We do not have enough Tomatoes

Done	
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