# Problem 3 - Shopping List

Write a function called **shopping\_list** which will receive an integer **number** representing **the budget in leva** and **a different number of keywords.** Each **key** represents the **product** (string),andeach **value** will be a **tuple** with **the product's price** (integer or float number) at the **first** position and **quantity** (integer) at the **second** position.

Your job is to **return which products you bought** with the given budget. You only buy a product if you can buy **all of its quantity**.

You could **only** **start** shopping if you have **at least 100 leva** budget. Otherwise, you should **stop the program** and **return** **"You do not have enough budget."**.

Also, you are **carrying a** **basket** that cannot hold **more than 5 types of products**. You should **stop** **buying** products**:**

* if you **reach** the allowed **amount** **of types of products** (no matter their quantity)
* if you **did not reach** the allowed amount, but you do **not have more products** on the shopping list

You should **always** **buy products** **successively**!

**For each product (all its quantity)** **you succeeded to buy, return a string on a new line in the following format**:

**"You bought {product\_name} for {total\_price} leva."**

***Note: Submit only the function in the judge system***

### Input

* There will be **no input,** and just parameters passed to your function

### Output

* The function should **return strings on separate lines** containing the **bought products** and **their price** in the format described above.
* The **total** **price** should be formatted to the **second decimal point**.

### Examples

|  |  |
| --- | --- |
| **Test Code** | **Output** |
| print(shopping\_list(100,  microwave=(70, 2),  skirts=(15, 4),  coffee=(1.50, 10),  )) | You bought skirts for 60.00 leva.  You bought coffee for 15.00 leva. |
| print(shopping\_list(20,  jeans=(19.99, 1),  )) | You do not have enough budget. |
| print(shopping\_list(104,  cola=(1.20, 2),  candies=(0.25, 15),  bread=(1.80, 1),  pie=(10.50, 5),  tomatoes=(4.20, 1),  milk=(2.50, 2),  juice=(2, 3),  eggs=(3, 1),  )) | You bought cola for 2.40 leva.  You bought candies for 3.75 leva.  You bought bread for 1.80 leva.  You bought pie for 52.50 leva.  You bought tomatoes for 4.20 leva. |