# Barista Contest

*Nina is a barista and she just signed up for a barista contest, where she has to make as many coffee drinks as p****ossible****. She wants to win the contest, that's why she's practicing everyday, so that she can improve her coffee making skills.*

She asked you to help her and create a program that will help her **count the types of drinks she manages to make**.

Nina makes the drinks with **coffee** and **milk** and **each of them** comes in **different** **quantities**.

First, you will be given **a sequence of numbers, representing the quantities of the coffee**. Afterward, you will be given another **sequence, representing the quantities of the milk.**

You have to **start** from the **first** **coffee quantity** and compare it to the **quantity of the last milk**.

If the **sum of their** values is equal to any of the coffee **drinks from the table below**, it means that Nina is **able to make** the corresponding drink. In this case, you should **remove both quantities from the sequences** and **continue** with the **next ones**.

If their **sum is not equal** to any of the drinks from the table, **remove the current coffee quantity**. After that, you should take the **milk quantity**, **decrease it by 5** and insert it **back into the sequence**.

|  |  |
| --- | --- |
| **Coffee drink** | **Quantities needed** |
| Cortado | 50 |
| Espresso | 75 |
| Capuccino | 100 |
| Americano | 150 |
| Latte | 200 |

Try **creating** **as many drinks as possible** while **keeping track** **of the count** of different types of coffee **beverages** that were made. You **stop comparing** the sum of the coffee and milk in case you are **out both milk and coffee** or in case **any one of them is out**.

Finally, **print** the different coffee **drinks** that Nina managed to make and **their count**.

## Input

* On the **first line**, you will receive the **coffee** quantities, **separated** by **a comma and a** **single space (',** **')**.
* On the **second line**, you will receive the **milk** quantities, **separated** by **a comma and a** **single space (', ')**.

## Output

* On the first line – print whether Nina managed to use all of the coffee and milk:
  + If she managed to use all of the coffee and all of the milk: "**Nina is going to win! She used all the coffee and milk!**"
  + If she didn't manage to use all of the coffee and milk: "**Nina needs to exercise more! She didn't use all the coffee and milk!**"
* On the second line – print all of the coffee that you have left:
  + If there is no coffee left: "**Coffee left: none**"
  + If there is coffee left: "**Coffee left: {coffee1}, {coffee2}, {coffee3},** **(…)**"
* On the **third** line – print all of the milk that you have left:
  + If there is no milk left: "**Milk left: none**"
  + If is milk left: "**Milk left: {milk1}, {milk2}, {milk3},** **(…)**"
* Then**,** you need to print the different types of coffee drinks, that were made, and their count. They must be ordered ascending by number and then sorted descending alphabetically.
  + **"Latte: {amount}"**
  + **"Espresso: {amount}"**
  + **"Cortado: {amount}"**
  + **"Capuccino: {amount}"**
  + **"Americano: {amount}"**

## Constraints

* All of the given numbers will be valid integers in the range **[0…200]**.
* There will be **no** case where the milk quantity reaches **0**.
* Do not use "**\r\n**" for a new line.

## Examples

|  |  |  |
| --- | --- | --- |
| ****Input**** | ****Output**** | ****Comment**** |
| **20, 35, 100, 27, 56, 30, 30**  **45, 20, 144, 173, 100, 40, 30** | **Nina is going to win! She used all the coffee and milk!**  **Coffee left: none**  **Milk left: none**  **Espresso: 2**  **Cortado: 2**  **Latte: 3** | We start by taking the first coffee quantity (**20**) and the last milk quantity (**30**). Their sum is **20 + 30 = 50**. After that, we check if there is a drink with a quantity of **50**. There is such – the **Cortado**. We add the **Cortado** to a collection, that holds the prepared drinks, and after that, we remove both quantities from the input collections.  Nest we have **35** and **40**. Their sum is **35** + **40** = **75**. The **Espresso** needs a total quantity of **75**, so we add it to the collection, which holds the prepared drinks, and we remove both quantities (**35** and **40**) from the collections.  Next, we have **100** + **100** = **200**. Those two quantities will be used for a **Latte** drink and after that, we remove them from the collections.  Next, we have **27** + **173** = **200**. Those two quantities will be used for the **Latte** drink again and after that, we remove them from the collections.  Next, we have **56** + **144** = **200**. Those two quantities will be used for the **Latte** drink again and after that, we remove them from the collections.  Next, we have **30** + **20** = **50**, which is the **Cortado** drink again. We removed the coffee and milk quantities.  Next, we have **30** + **45** = **75**, which is the Espresso drink. We removed the coffee and milk quantities.  Finally, we have no more coffee and milk quantities, so we print the corresponding messages. |
| **20, 1, 10, 16, 1, 5**  **205, 70, 30** | **Nina is going to win! She used all the coffee and milk!**  **Coffee left: none**  **Milk left: none**  **Latte: 1**  **Espresso: 1**  **Cortado: 1** | First, we have **20** + **30** = **50**. Nina makes a **Cortado**, so we remove both quantities.  Next, we have **1** + **70** = **71**. There isn't a drink that needs a total quantity of **71**, so we removed the coffee quantity (**1**). After that we take the milk quantity (**70**), decrease it by **5** and return it back to the collection.  Next, we have **10** and **65** from the previous iteration (**70** – **5** = **65**). Their sum is **10** + **65** = **75**, so we use both of the quantities.  Next, we have **16** + **205** = **201**. We remove the coffee quantity (**16**) and we decrease the milk quantity by **5**.  Next, we have **1** + **200** = **201**, so we remove the coffee quantity (**1**) and we decrease the milk quantity by **5**.  Next, we have **5** + **195** = **200**, so we remove both the coffee and the milk.  Finally, we print the corresponding message. |
| **25, 50, 30**  **50, 25** | **Nina needs to exercise more! She didn't use all the coffee and milk!**  **Coffee left: 30**  **Milk left: none**  **Cortado: 1**  **Capuccino: 1** | **25** + **25** = **50** → **Cortado**  **50** + **50** = **100** → **Capuccino**  **30** is the only quantity left, so we print the corresponding message. |