# Energy Drinks

Картина, която съдържа чаша

Описанието е генерирано автоматично

*Your friend Stamat is working on a new AI program. Like every irresponsible teenager, he programs all night and, of course, drinks a lot of energy drinks. Stamat***'***s friends are concerned about him and want you to create a program that tells him when to stop the energy drinks and start drinking water.*

On the first line, you will receive a sequence of **numbers** representing **milligrams of caffeinе**. On the second line, you will receive another sequence of **numbers** representing **energy drinks**. It is important to know that the **maximum caffeine** Stamat can have for the night is **300 milligrams,** and his **initial is always 0**.

To **calculate the caffeine in the drink take the** **last milligrams of caffeinе** and the **first energy drink, and multiply them**. Then, **compare the result** with the **caffeine Stamat drank**:

* If the sum of the **caffeine** in the drink and **the caffeine that Stamat drank** **doesn't exceed 300 milligrams**, **remove** **both** the **milligrams of caffeinе** and the **drink** from their sequences. Also, **add the caffeine** to Stamat**'**s total caffeine.
* If Stamat is **about to** **exceed** his maximum caffeine per night, **do not add** the caffeine to Stamat’s total caffeine. **Remove the** **milligrams of caffeinе** and **move the drink to the end of the sequence**.Also, **reduce the current caffeine** that Stamat has taken **by 30** (Note: Stamat's caffeine cannot go below 0).

**Stop calculating** when you are **out of drinks** or **milligrams of caffeine**.

For more clarification, see the examples below.

### Input

* In the **first line,** you will be given a **sequence of the milligrams of caffeinе** - **integers** separated by comma and space **", "** in the range **[1, 50]**
* In the **second line,** you will be given a **sequence of energy drinks** - **integers** separated by comma and space **", "** in the range **[1, 300]**

### Output

* On the first line:
  + If **Stamat hasn't drunk all the energy drinks**, print **the remaining ones** separated by a comma and a space **", "**:
    - **"Drinks left: { remaining drinks separated by ", " }"**
* If Stamat **has** **drunk all the energy drinks**, print:
  + **"At least Stamat wasn't exceeding the maximum caffeine."**
* On the next line, print:
  + **"Stamat is going to sleep with { current caffeine } mg caffeine."**

### Constraints

* You will always have **at least one element in each sequence at the beginning**.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 34, 2, 3  40, 100, 250 | Drinks left: 100, 250  Stamat is going to sleep with 60 mg caffeine. |
|  | |
|  | |
| **Input** | **Output** |
| 1, 16, 8, 14, 5  27, 23 | At least Stamat wasn't exceeding the maximum caffeine.  Stamat is going to sleep with 289 mg caffeine. |
| **Input** | **Output** |
| 1, 23, 2, 1, 42, 22, 7, 14  51, 100, 3, 7 | At least Stamat wasn't exceeding the maximum caffeine.  Stamat is going to sleep with 264 mg caffeine. |

*Energy drinks don***'***t give wingssss…. (AI-generated text)*