# Climb the Peaks

*Alex is a vlogger and he wants to make videos, of climbing the five highest peaks in Pirin mountain in just* ***one week****. He will take his video set, a tent and his* ***backpack*** *in the mountain. The backpack fits* ***food portions*** *for one week, exactly. His* ***daily stamina*** *is also limited. Your task is to trace his adventure and to create a post for his profile @alaroundtheworld, at the end of the journey.*

You will have to keep information for **all the conquered peaks**, if any.

Every day, Alex will **use one portion** of his **daily food supplies** and will **exhaust one** of his **daily stamina**.

First, you will be given **a sequence of numbers, representing the quantities of the daily portions** of food supplies in his backpack.

Afterward, you will be given another **sequence of numbers, representing the quantities of the daily stamina** he will have at his disposal for the next **seven days**.

You have to **sum** the **quantity of the** **last daily food portion** with the **quantity of the first daily stamina**. He will start climbing **from the first** peak in the table below **to the last** one.

* If the **sum is equal or greater** than the corresponding **Mountain Peak’s Difficulty level from the table below**, it means that the **peak is conquered**. In this case, you should **remove both quantities from the sequences** and **continue** with the **next ones** towardsthe **next peak**.
* If the **sum** is less than the corresponding **Mountain Peak’s Difficulty level** from the table below, the **peak remains unconquered**. You should **remove both quantities from the sequences.** Alex will have to sleep in his tent. On the next day, he will try **the same peak once again**.

|  |  |
| --- | --- |
| **Mountain Peaks** | **Difficulty level** |
| Vihren | 80 |
| Kutelo | 90 |
| Banski Suhodol | 100 |
| Polezhan | 60 |
| Kamenitza | 70 |

Alex will try to conquer as many peaks as he can in seven days. If he **eats all the food** **supplies** and **exhausts all his stamina** before the last day of his journey, the adventure is over. If he manages to climb **all the peaks**, the journey ends and the output is printed on the Console.

Finally, **print** on the Console **all the conquered peaks**(in the order of climbing).

## Input

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

## Output

* On the first line – print whether Alex managed to reach his goal and climb all the peaks in his list:
  + If he managed to conquer all: "**Alex did it! He climbed all top five Pirin peaks in one week -> @FIVEinAWEEK**"
  + If he didn't manage to climb all of the peaks: "**Alex failed! He has to organize his journey better next time -> @PIRINWINS**"
* Then, in either case, if Alex **fails or succeeds** in completing the climbing adventure, you should print all **conquered peaks** (in the order of climbing), if there are any:

**"Conquered peaks:**

**{peak1}**

**{peak2}**

**…**

**{peakn}"**

* If there are **no conquered peaks do not print** this message.

## Constraints

* All of the given numbers will be valid integers in the range **[0…100]**.
* Do not use "**\r\n**" for a new line.

## Examples

|  |  |  |
| --- | --- | --- |
| ****Input**** | ****Output**** | ****Comment**** |
| **40, 40, 40, 40, 40, 40, 40**  **40, 50, 60, 20, 30, 5, 2** | Alex did it! He climbed all top five Pirin peaks in one week -> @FIVEinAWEEK  Conquered peaks:  Vihren  Kutelo  Banski Suhodol  Polezhan  Kamenitza | We start by taking the last daily portion quantity (**40**) and the first stamina quantity (**40**). Their **sum** is **40 + 40 = 80**. After that, we check if the sum is equal or greater than the **first peak’s difficulty level**. The **sum** of the food portion and the stamina for the day equals **the peak's difficulty level**, so the **peak is conquered**. We **remove both quantities** from the sequences.  We continue with the next peak, where we have also enough food and stamina to conquer it. After we conquer all five peaks, the program ends, and we print the final post on the Console. After that, we print all conquered peaks, every peak on a new line. |
| **10, 20, 34, 26, 12, 10, 45**  **30, 28, 17, 17, 13, 10, 10** | Alex failed! He has to organize his journey better next time -> @PIRINWINS | We start by taking the last daily portion quantity (**45**) and the first stamina quantity (**30**). Their **sum** is **45 + 30 = 75**. After that, we check if the **sum** is equal or greater than the **first peak’s difficulty level**. The **sum** is not enough for the peak to be conquered. Alex will have to sleep in the tent. We **remove both quantities** from the sequences.  On the **next day,** he will try the **same peak** once again, so he will need a **sum of 80**, from the food portion and the daily stamina. The sum is 10 + 28 = 40 and it is not enough. Alex will have to sleep in his tent once again. We **remove both quantities** from the sequences.  He will not be able to climb **any of the peaks**, so we should print on the Console a message for an **unsuccessful adventure**. There won’t be **any conquered peaks**, so we will print only the **status message on the Console.** |