# Problem 2 – Jeweler



*A famous jeweler asks you for help to craft the perfect* *earrings.*

You will be given **two sequences of integers with the same length, the first sequence** representing **white gold** and **the second sequence** representing **yellow gold**. You need to start making earrings **knowing that one pair of earrings needs 10 oz. gold**. Your goal is to make **at least 7 pairs of earrings**.

You will start crafting from the **first element of each sequence**. If the **sum** of their values is **equal** to **10** – **create one pair of earrings**.

* If the sum is **bigger than 10**, you should **decrease** the value of the **yellow gold** **by 2 and try to combine the same two numbers.** If the sum again **is bigger than 10**, **decrease** the value of **the yellow gold** again. This operation will be **repeated** until a pair of earrings is **crafted** or the sum goes **below** 10.
* If the sum is **less than 10 it is leftover gold, so you must store it for later use**.

The program stops when you loop through all elements in the collections. In the end, if you have **any stored gold you should make as many pairs of earrings as you can**.

### Input

* On the **first line**, you will receive the integers representing the **white gold**, **separated** by a single space (" ").
* On the **second line**, you will receive the integers representing the **yellow gold**, **separated** by a single space ("").

### Output

* Print whether you have succeeded in making **at least 7 earrings**:
  + **"Great success, you created {pair of earrings} earrings."**
  + **"Keep trying, you need {pair earrings needed} more earrings."**

### Constraints

* All the given numbers will be valid integers in the range **[0, 20]**.
* The white and yellow gold indexes will be aways the same. For example, there will be no case where you will combine white gold on index 2, with yellow gold on index 3.
* The yellow gold will not be decreased more than 5 times, where earrings will be created, or leftover gold will be stored.

### Examples

|  |  |
| --- | --- |
| ****Input**** | ****Output**** |
| **2 7 8 5 1 6 1 7 5**  **8 3 2 7 9 4 9 2 3** | **Great success, you created 8 earrings.** |
| ****Comment**** | |
| We start with with the first two elements: white gold (2) and yellow gold (8) -> 2 + 8 = 10 -> 10 = 10 So we create one pair of earrings.  In the next two iterrations we create two more pairs of earrings:  7 + 3 = 10  8 + 2 = 10  On the fourth iteration we have white gold (5) and yellow gold (7):  5 + 7 = 12 > 10  So we need to decrease yellow gold by 2 (7 – 2 = 5), and try to combine them again:  5 + 5 = 10  We create another pair of earrings.  Next, we have 3 more iterations, where we create 3 pairs of earrings.  In the second to last iteration we have white gold (7) and yellow gold (2), we can not make a pair of earrings, so we store the gold for later.  In the last iteration, we can not make any earrings, so again we store the gold for later.  So far we’ve created 7 pairs of earrings, now we need to check how many pairs of earrings we can create from the leftover gold (**which is 17**):  **17 / 10 = 1.7**  So we create one more pair of earrings and left with a total of 8 pairs of earrings. | |
| ****Input**** | ****Output**** |
| **5 3 2 2 4**  **5 5 8 2 6** | **Keep trying, you need 3 more earrings.** |

**JS Examples**

The input will be an array of two strings.

|  |  |
| --- | --- |
| **Input** | **Output** |
| ([**'2 7 8 5 1 6 1 7 5'**,  **'8 3 2 7 9 4 9 2 3'**]) | **Great success, you created 8 earrings.** |
| **Comments** | |
| We start with with the first two elements: white gold (2) and yellow gold (8) -> 2 + 8 = 10 -> 10 = 10 So we create one pair of earrings.  In the next two iterrations we create two more pairs of earrings:  7 + 3 = 10  8 + 2 = 10  On the fourth iteration we have white gold (5) and yellow gold (7):  5 + 7 = 12 > 10  So we need to decrease yellow gold by 2 (7 – 2 = 5), and try to combine them again:  5 + 5 = 10  We create another pair of earrings.  Next, we have 3 more iterations, where we create 3 pairs of earrings.  In the second to last iteration we have white gold (7) and yellow gold (2), we can not make a pair of earrings, so we store the gold for later.  In the last iteration, we can not make any earrings, so again we store the gold for later.  So far we’ve created 7 pairs of earrings, now we need to check how many pairs of earrings we can create from the leftover gold (**which is 17**):  **17 / 10 = 1.7**  So we create one more pair of earrings and left with a total of 8 pairs of earrings. | |
| **Input** | **Output** |
| ([**'5 3 2 2 4'**,  **'5 5 8 2 6'**]) | **Keep trying, you need 3 more earrings.** |