## **Dating App**



First you will be given a sequence of integers representing males. Afterwards you will be given another sequence of integers representing females.

You have to start from the **first female** and try to match it with the **last male**.

- If their values are equal, you have to match them and remove both of them. Otherwise you should remove only the female and decrease the value of the male by 2.
- If someone's value is equal to or below 0, you should remove him/her from the records before trying to match him/her with anybody.
- Special case if someone's value divisible by 25 without remainder, you should remove him/her and the next person of the same gender.

You need to stop matching people when you have no more females or males.

### Input

- On the **first line** of input you will receive the integers, representing the **males**, **separated** by a **single space**.
- On the second line of input you will receive the integers, representing the females, separated by a single space.

### **Output**

- On the first line of output print the number of successful matches:
  - o "Matches: {matchesCount}"
- On the second line print all males left:
  - o If there are no males: "Males left: none"
  - o If there are males: "Males left: {male1}, {male2}, {male3}, (...)"
- On the third line print all females left:
  - If there are no females: "Females left: none"
  - o If there are females: "Females left: {female1}, {female2}, {female3}, (...)"

#### **Constraints**

All of the given numbers will be valid integers in the range [-100, 100].

















# **Examples**

Input	Output	Comment
3 6 9 12 12 9 6 1 25 25	Matches: 3 Males left: 1 Females left: none	The first pair is the <b>first female</b> with value of 12 and the <b>last male</b> of value 12, their <b>values</b> are <b>equal</b> , so we <b>match them</b> , therefore - <b>remove them</b> from the <b>records</b> . Then we have <b>two more matches</b> (9 == 9 and 6 == 6). But the value of the <b>next male is 3</b> and the value of the <b>next female is 1</b> , it's <b>not a match</b> and we <b>remove</b> the <b>female</b> and <b>reduce</b> the <b>male's value</b> by 2. We have a <b>female</b> whose <b>value</b> is <b>25</b> and we have to <b>remove her</b> and the <b>next female</b> . Then, we <b>print</b> the desired <b>output</b> .
3 0 3 6 9 0 12 12 9 6 1 2 3 15 13 4	Matches: 4 Males left: none Females left: 15, 13, 4	













