## **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:
  - o 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	















