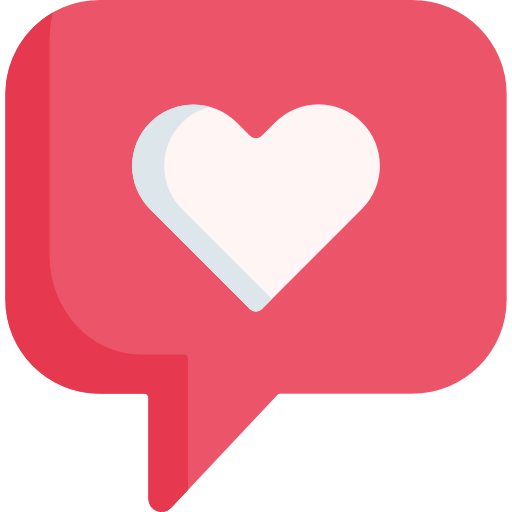
# Dating App



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:
  + "**Matches: {matchesCount}"**
* On the second line - print all males left:
  + If there are no males: "**Males left: none**"
  + 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**"
  + 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 **first female** with value of 12 and the **last male** of value 12, their **values are equal**, so we **match them,** therefore - **remove them** from the **records**. Then we have **two more matches** (9 == 9 and 6 == 6). But the value of the **next male is 3** and the value of the **next female is 1**, it’s **not a match** and we **remove** the **female** and **reduce** the **male’s value** by 2. We have a **female** whose **value** is **25** and we have to **remove** **her** and the **next female**.Then, we **print** the desired **output**. |
| **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** |  |