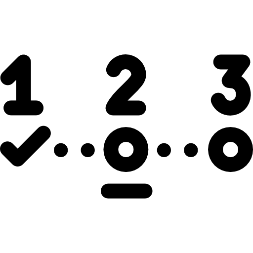
# Numbers search



Write a function called **numbers\_searching** which receives a **different amount** of parameters. All parameters will be integer **numbers** forming a sequence of consecutive numbers. Your task is to find unknown amount of **duplicates** in this sequence and **a missing value**, such that all the duplicate values and the missing value are between the smallest received number and the biggest one.

Your function should **return** a list with the **missing number** in first position and another **sorted list** containing the duplicates found in **ascending** order.

**For example**: if we have the following numbers: 1, 2, 4, 2, 5, 4 will return 3 as missing number and 2, 4 as duplicate numbers in the following format: [3, [2, 4]]

### Input

* There will be **no input**
* **Parameters** will be passed to your function

### Output

* The function should **return a list** in the following format: **[missing number, [duplicate\_numbers separated with comma and space]]**

### Constraints

* The missing number will always be between the smallest and the biggest received number

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| print(numbers\_searching(1, 2, 4, 2, 5, 4)) | [3, [2, 4]] |
| print(numbers\_searching(5, 5, 9, 10, 7, 8, 7, 9)) | [6, [5, 7, 9]] |
| print(numbers\_searching(50, 50, 47, 47, 48, 45, 49, 44, 47, 45, 44, 44, 48, 44, 48)) | [46, [44, 45, 47, 48, 50]] |