

# Fun with Sequences (Act 7)

You are given a sequence of  $n$  integers  $S = s_1, s_2 \dots s_n$  and a sequence of  $m$  integers  $Q = q_1, q_2 \dots q_m$ . If  $(q_1 + q_2 + \dots + q_m)/m < (s_1 + s_2 + \dots + s_n)/n$  please print the sequence  $S$  and otherwise please print the sequence  $Q$ .

## Input data specification

In the first line you are given one integer  $2 \leq n \leq 100$ , and in the following line  $n$  integers:  
 $-100 \leq s_j \leq 100$ .

In the third line you are given one integer  $2 \leq m \leq 100$ , and in the following line  $m$  integers:  
 $-100 \leq q_j \leq 100$ .

## Output data specification

The sequence of requested integers separated by spaces in the same order as in the input.

### Example 1

**Input:**

```
5  
-2 -1 0 1 4  
6  
-3 -2 -1 1 2 3
```

**Output:**

```
-2 -1 0 1 4
```

### Example 2

**Input:**

```
5  
-2 -1 1 2 3  
6  
-2 -1 0 1 2 3
```

**Output:**

```
-2 -1 1 2 3
```