

## Temperature above average

We are given the daily maximum temperature for the past  $N$  days.

### Task

Write a program that computes the days where the daily maximum temperature was above the average.

### Input

The first line of the *standard input* contains one integer  $N$ , the number of the days ( $0 < N \leq 300$ ). The second line contains  $N$  space separated integers. The  $i$ -th number in the line is the maximum daily temperature on day  $i$ . The days are numbered from 1 to  $N$ .

### Output

Your program must write two lines to the *standard output*. The first line must contain a single integer  $M$ , the number of days where the temperature was above the average. The second line must contain  $M$  integers, the days where the temperature was above the average. The numbers must be given in ascending order and separated by a single space.

### Example

#### sample input

```
10
17 18 20 21 20 18 22 20 24 25
```

#### sample output

```
4
4 7 9 10
```

### Limits

Time limit: 0.1 sec.

Memory limit: 32 MiB