

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