There are n cities on the path of Queen Daenerys, the Mother of Dragons, and Breaker of Chains. She decides to attack a city if there are at least 1000 slaves whom she will free up. You are given the number of slaves in each city, can you tell how many and which cities will be attacked?

Input

The first line of the input contains n $(1 \le n \le 100)$ $(1 \le n \le 100)$ – the number of cities. The second line contains n integers $s_1, s_2, \ldots, s_n$ $s_1, s_2, \ldots, s_n$ $(0 \le s_i \le 100000)$ $(0 \le s_i \le 100000)$ – the number of slaves in each city.

Output

The first line should contain a single integer k - how many cities Daenerys will attack. Then print k numbers in increasing order separated by spaces, which are the indices of the attacked cities in the sequence. The indexing starts with 1. (Notice that k might be 0, then leave the second line empty.)

Example

input

```
7
2322 78 999 98765 1000 0 6666
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output

```
4
1 4 5 7
```

Note

Explanation: there are 4 cities where the number of slaves is at least 1000, these cities are the 1st (2322 slaves), 4th (98765 slaves), 5th (1000 slaves) and 7th (6666 slaves).