Problem P. P

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

There are N people whose IDs are $1, 2, \ldots$, and N.

Each of person 1, person 2, $\ldots$, and person N performs the following action once in this order:

- If person i's ID has not been called out yet, call out person A_i's ID.

Enumerate the IDs of all the people whose IDs are never called out until the end **in ascending order**.

Constraints

- $2 \leq N \leq 2 \times 10^5$
- $1 \leq A_i \leq N$
- $A_i \neq i$
- All values in the input are integers.

Input

The input is given from Standard Input in the following format:

```
N
A_1 A_2 ... A_N
```

Output

Enumerate the IDs of all the people whose IDs are not called out until the end in ascending order in the following format:

```
K
X_1 X_2 ... X_K
```

In other words, the first line should contain the number of people, K, whose IDs are never called out until the end; the second line should contain the sequence $(X_1, X_2, \ldots, X_K)$ of IDs of such people in ascending order, with spaces in between.

Sample 1

Input	Output
5 3 1 4 5 4	2 2 4

The five people's actions are as follows.

- Person 1's ID has not been called out yet, so person 1 calls out person 3's ID.
- Person 2's ID has not been called out yet, so person 2 calls out person 1's ID.
- Person 3's ID has already been called out by person 1, so nothing happens.
- Person 4's ID has not been called out yet, so person 4 calls out person 5's ID.
- Person 5's ID has already been called out by person 4, so nothing happens.

Therefore, person 2 and 4's IDs are not called out until the end.

Sample 2

Input	Output
20 9 7 19 7 10 4 13 9 4 8 10 15 16 3 18 19 12 13 2 12	10 1 2 5 6 8 11 14 17 18 20