# Problem A. Playlist

**Time limit** 1000 ms **Mem limit** 524288 kB

You are given a playlist of a radio station since its establishment. The playlist has a total of n songs.

What is the longest sequence of successive songs where each song is unique?

## Input

The first input line contains an integer n: the number of songs.

The next line has n integers  $k_1, k_2, \ldots, k_n$ : the id number of each song.

## Output

Print the length of the longest sequence of unique songs.

### **Constraints**

- $1 \le n \le 2 \cdot 10^5$
- $1 \le k_i \le 10^9$

### Sample

Input	Output
8 1 2 1 3 2 7 4 2	5