

## B. Vlad and Cafes

time limit per test: 2 seconds

memory limit per test: 256 megabytes

input: standard input

output: standard output

Vlad likes to eat in cafes very much. During his life, he has visited cafes  $n$  times. Unfortunately, Vlad started to feel that his last visits are not any different from each other. To fix that Vlad had a small research.

First of all, Vlad assigned individual indices to all cafes. Then, he wrote down indices of cafes he visited in a row, in order of visiting them. Now, Vlad wants to find such a cafe that his last visit to that cafe was before his last visits to every other cafe. In other words, he wants to find such a cafe that he hasn't been there for as long as possible. Help Vlad to find that cafe.

### Input

In first line there is one integer  $n$  ( $1 \leq n \leq 2 \cdot 10^5$ ) — number of cafes indices written by Vlad.

In second line,  $n$  numbers  $a_1, a_2, \dots, a_n$  ( $0 \leq a_i \leq 2 \cdot 10^5$ ) are written — indices of cafes in order of being visited by Vlad. Vlad could visit some cafes more than once. Note that in numeration, some indices could be omitted.

### Output

Print one integer — index of the cafe that Vlad hasn't visited for as long as possible.

### Examples

input
5 1 3 2 1 2
output
3

input
6 2 1 2 2 4 1
output
2

### Note

In first test, there are three cafes, and the last visits to cafes with indices 1 and 2 were after the last visit to cafe with index 3; so this cafe is the answer.

In second test case, there are also three cafes, but with indices 1, 2 and 4. Cafes with indices 1 and 4 were visited after the last visit of cafe with index 2, so the answer is 2. Note that Vlad could omit some numbers while numerating the cafes.