Mock CCC '18 Contest 5 J2 - Smallest Mode

Time limit: 1.0s **Memory limit:** 1G

Given a list of N integers, compute the one that appears most frequently.

If multiple integers are tied for most frequent, return the smallest such one.

Constraints

$1 \leq N \leq 10$

$1 \leq a_i \leq 10$

Input Specification

The first line of the input consists of a single integer, N.

The next line contains N space-separated integers. a_i represents the ith integer in the list.

Output Specification

Output, on a single line, the smallest number that appears most frequently in the list.

Sample Input

```
4
1 1 2 2
```

Sample Output

```
1
```