

# Mock CCC '18 Contest 5 J2 - Smallest Mode

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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

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$$1 \leq N \leq 10$$

$$1 \leq a_i \leq 10$$

## Input Specification

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

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

## Output Specification

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

## Sample Input

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```
4
1 1 2 2
```

## Sample Output

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```
1
```