DWITE '09 R1 #3 - That Missing Number

Time limit: 2.0s **Memory limit:** 64M

DWITE Online Computer Programming Contest, October 2009, Problem 3

You have a continuous sequence of unique numbers, $1, 2, \ldots, N$, that you like very much, but your little sister always steals one (and only one), and randomly re-arranges the rest in an attempt to hide the crime. Given $N - 1$ numbers, in a random order, find out which number was taken.

The input will contain 5 sets of input. The first line will be an integer $1 \leq M \leq 100$, the number of items remaining. Followed by M lines of unique integers, from at least 1 to at most $M + 1$.

The output will contain 5 lines, each an integer from the missing set.

Note: the original sorted sequence is $\{1, 2, \ldots, N\}$. *Any of the numbers (including* 1 *or* N*) can be taken.*

Sample Input

```
2
1
2
2
2
3
2
1
3
```

Sample Output

```
3
1
2
```

Problem Resource: DWITE