

# Find the missing number

You are given a permutation (a sequence of  $N$  distinct integers between  $1$  and  $N$ ), but exactly one integer is missing! Can you find this element?

## Input

First line of the standard input contains a single integer  $N$  ( $2 \leq N \leq 100$ )

The second line contains  $N-1$  integers. A permutation with one integer missing. All integers are between  $1$  and  $N$  and all of them are distinct.

## Output

Output a single integer – a missing number from the permutation.

## Example

**Input:**

```
10  
10 2 3 1 9 7 8 6 4
```

**Output:**

```
5
```