

# Weird algorithm

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## Problem

### Statement

You are given all numbers between  $1, 2, \dots, n$  except one. Your task is to find the missing number.

### Input

The first input line contains an integer  $n$ . The second line contains  $n - 1$  numbers. Each number is distinct and between 1 and  $n$  (inclusive).

### Output

Print the missing number.

### Constraints

-  $2 \leq n \leq 2 \cdot 10^5$

### Examples

```
Input :  
5  
2 3 1 5  
Output :  
4
```