**1,000,001 Dalmatians**

The dalmatians are loose! We managed to contain 1,000,000 of the dogs, but it seems there’s one missing. Luckily on the collars there is a number corresponding to the dog. Can you help us determine which dog is missing?

**Input:** The first line of input contains **N**, the number of dalmatians. The second line contains

**N – 1** numbers in random order. Each number appears only once.

**Output:** Output the missing number in the list.

**Example Input:**

5

2 3 1 5

**Example Output:**

4