January 2023 CSE 106
Online Assignment on Arrays
Which odd is missing?

Time: 30 minutes

Subsections C1 & C2

From the first $n+1$ odd numbers, you are given n distinct odd numbers as input. So, obviously, one odd number is missing. Your job is to find it.

Let $n = 4$. The first four odd numbers are 1, 3, 5, 7. If your input is `1 3 7`, your output will be `5`.

Input

The first line will have a positive integer n. The second line will have n distinct odd numbers from the first $n+1$ odd numbers.

Output

Task 1 (70%) Solve the problem in any approach.

Task 2 (30%) Solve the problem without declaring any type of array or list whatsoever.

Sample I/O

Input

```
3
1 3 7
```

Output

```
5
```

Input

```
6
3 5 7 9 11 13
```

Output

```
1
```

Input

```
6
3 5 7 1 11 13
```

Output

```
9
```

Hints

Try summing up the given numbers to find which one is missing. Or you might keep an array to track which ones are present.

Please note that any usage of the internet is strictly prohibited during the assignment. Usage of any unfair means will be duly punished.