## Minimum number to form the sum even

Given an array, write a program to add the minimum number(should be greater than 0) to the array so that the sum of array becomes even

## **Input:**

The first line of input contains an integer **T** denoting the number of test cases. The first and last line of each test case consists of an integer **n**. Next line of each test case cinsists of **n** spaced integers.

## **Output:**

Print the minimum number required to the array so that the sum becomes even .

#### **Constraints:**

```
1<=T<=100
1<=n<=1000
1<=a[i]<=100000
```

## **Example:**

## **Input:**

```
2 8
1 2 3 4 5 6 7 8
9
1 2 3 4 5 6 7 8 9
```

# **Output:**

2