

# Good

The problem is very easy.

You are given  $n$  terms ( the terms can be integer as well as floating ). Let  $S$  = sum of all the  $n$  terms. A number  $k$  ( $x \leq k \leq y$ ) is said to be good if  $S$  is divisible by it.

## Input

Input begins with an integer  $t$ .

Then  $t$  test cases follow.

For each test case, three numbers  $n, x, y$  are given. Then  $n$  terms of the sequence follow.

**(REMEMBER: all the input is on a single line)**

## Output

For each test case,

You have to output a single integer  $m$ .

where,  $m = (\text{sum of all even good numbers}) - (\text{number of all odd good numbers})$

**(REMEMBER: all the output should be on a single line)**

The numbers should be separated by spaces.

## Example

**Input:**

```
2 3 1 2 1 2 3 4 1 10.5 -1 4.5 4.5 4
```

**Output:**

```
1 10
```

## Scoring:

Your task is to minimise the source code length.

The less your fingers work, more you gain.

## Remember:

**Only python 2.7 is permitted.** Sorry in advance, I will not allow any other language.

Source limit is tight. So be careful.

## Constraints:

$$1 \leq t \leq 10$$

$$1 \leq n \leq 100$$

$$-100 \leq \text{any term of sequence} \leq 100$$

$$0 < x \leq y \leq 100$$