
Residual triplets

X11881_en

We say that a triplet of integers greater than zero x, y, z is residual if the module $x \% y$ is z . Write a program such that given a sequence of greater than zero integer lists, it prints the number of null triplets in each list. The program also has to print the total number of residual triplets in the sequence.

Exam score: 4.000000 **Automatic part:** 40.000000%

Input

The input consists of a sequence of cases. Each case begins with a natural number $m \geq 2$ and then follows m greater than zero integers that form the list corresponding to the case. Note that lists have at least two elements.

Output

For each case, the program prints the number of residual triplets in the list. Finally, it prints the total number of residual triplets following the examples format.

Sample input 1

```
2 3 2
5 2 4 2 3 2
6 2 4 2 1 1 1
5 1 1 2 4 2
3 2 4 2
6 2 1 2 4 2 4
```

Sample output 1

```
0
2
1
1
1
1
1
Total: 6
```

Sample input 2

```
2 4 2
6 2 2 2 1 1 1
```

Sample output 2

```
0
0
Total: 0
```

Sample input 3

Sample output 3

```
Total: 0
```

Problem information

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