Multiples   X46815_en

Write a program that given a sequence of integers, computes the number of times a sequence element is a multiple of the previous one.

Input

A sequence of integers.

Output

The number of times that a sequence element is multiple of the previous one.

Warning

The program is allowed to use variables only of types `int` and `bool`. Programs using variables of any other type will be graded with 0.

Sample input 1
```
1 -2 4 6 8 16
```

Sample output 1
```
3
```

Sample input 2
```
0
```

Sample output 2
```
0
```

Sample input 3
```
0 5 1
```

Sample output 3
```
0
```

Sample input 4
```
0 0 1
```

Sample output 4
```
1
```

Sample input 5
```
-3 3 1 0 1 0 0 -2
```

Sample output 5
```
4
```

Problem information

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Generation : 2018-12-04 14:21:23