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## Similar sequences (2)

**X06314\_en**

In this problem, we say that two sequences of numbers are similar if both have the same sum and finalize with the same number. Provide a program that computes how many of the given sequences are similar to the first (this one included).

In your program, you have to implement and use the following procedure:

```
void info_sequence(int& sum, int& last);
```

which reads a sequence from the input and computes the parameters *sum* and *last*, the sum of the elements and the last element of the read sequence, respectively.

### Input

The input is formed by one or more non-empty sequences of natural numbers all of them strictly positive. Each sequence is finalized by a 0. The end of the input is marked with an empty sequence.

### Output

Print how many sequences are similar to the first one, including the first.

### Observation

You cannot use strings, vectors or other data structures.

#### Sample input 1

```
8 14 6 12 0
8 12 0
10 30 0
28 12 0
74 0
38 2 0
40 0
0
```

#### Sample output 1

```
2
```

#### Sample input 2

```
5 0
0
```

#### Sample output 2

```
1
```

#### Sample input 3

```
1 2 3 4 0
6 4 0
4 2 4 0
1 1 1 1 1 1 4 0
5 1 4 0
0
```

#### Sample output 3

```
5
```

## **Problem information**

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Generation: 2026-01-25T22:45:19.987Z

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