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## Sum of the elements behind

P62059\_en

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Write a program that reads a sequence of integer numbers and prints how many of them are equal to the sum of all the elements which are behind them.

### Input

Input is a sequence of integer numbers.

### Output

In a line, print the number of integer numbers of the input sequence that are equal to the sum of all the elements which are behind them.

### Observation

Use recursion (not tables).

#### Sample input 1

-34 11 7 2 -8 5 3 2

#### Sample output 1

3

#### Sample input 2

4 2 2 0

#### Sample output 2

3

#### Sample input 3

#### Sample output 3

0

#### Sample input 4

0 32 -16 -8 -4 -2 -2

#### Sample output 4

5

#### Sample input 5

28 32 -5 9

#### Sample output 5

0

### Problem information

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