

CMPUT 274 - Tangible Computing I

Morning Problem: Average Height

Description

Natali has moved into a new house and discovered both her roommates are incredibly tall. Wishing to find out how far she is from the average, she writes a program to calculate the average of a list of numbers. Given a list of heights, determine the average height. To keep the output looking clean, the answer should be rounded **down** to an integer.

That is, calculate the largest integer x that is \leq the average of the numbers in the list.

Hint: While it is not necessary to solve the problem, the built-in `floor()` function may help. This has already been imported at the top of the solution file in the directory `soln/` in the Test Center files for this problem.

Input

There is one line of input containing n space-separated integers where $1 \leq n \leq 1,000$. Each integer in this list lies between 0 and 10^6 .

Output

Output should consist of a single integer on a single line - the the average of the heights rounded down to an integer.

Sample Input 1

```
5 6 7
```

Sample Output 1

```
6
```

Sample Input 2

```
1 1 1 1 1 1 1 1 1
```

Sample Output 2

```
1
```

Sample Input 3

```
1 2 3 4 5 6 7 8 9 100000
```

Sample Output 3

```
10004
```