

Compute the Average

Given N integers, compute their average, rounded to three decimal places.

Input Format

The first line contains an integer, N .

Each of the following N lines contains a single integer.

Output Format

Display the average of the N integers, rounded off to three decimal places.

Input Constraints

$$1 \leq N \leq 500$$

$-10000 \leq x \leq 10000$ (x refers to elements of the list of integers for which the average is to be computed)

Sample Input

```
4
1
2
9
8
```

Sample Output

```
5.000
```

Explanation

The '4' in the first line indicates that there are four integers whose average is to be computed.

The average = $(1 + 2 + 9 + 8)/4 = 20/4 = 5.000$ (correct to three decimal places).

Please include the zeroes even if they are redundant (e.g. 0.000 instead of 0).