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

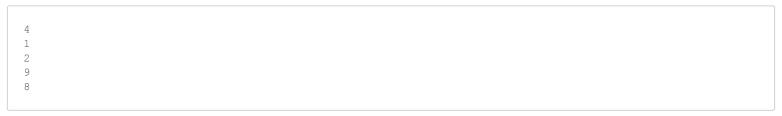
Display the average of the N integers, rounded off to three decimal places.

Input Constraints

 $1 \le N \le 500$

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

Sample Input



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).