

Array Average

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Given a number N and an array A of N numbers. Calculate the average of these numbers.

Note: solve this problem using recursion.

Input

First line contains a number N ($1 \leq N \leq 100$) number of elements.

Second line contains N numbers ($-10^9 \leq A_i \leq 10^9$).

Output

Print the calculated **average**, with **6** digits after the decimal point.

Example

standard input	standard output
5 1 2 3 4 5	3.000000