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