Average

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

Given an array A of size N. Print the **average(mean)** of the array numbers.

Note: Solve this problem using function.

Input

First line will contain a number N $(1 \leq N \leq 10^4)$ length of the array.

Second line will contain N numbers $(1 \leq A_i \leq 10^3)$.

Output

Print the **average(mean)** of the array with 6 digits after the decimal point.

Examples

standard input	standard output
3 1.0 2.0 5.0	2.6666667
4 1.0 7.0 4.0 9.0	5.2500000