

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	2.666667
4 1.0 7.0 4.0 9.0	5.250000