## Problem ID: lottalaps

Lotta is training her endurance with interval training. For that she has picked a specific route (you do not know the length of) through the local park. This morning she ran the route again and again, each time with a different but constant speed which she tracked. Hoping to encourage her in her efforts, you want to create some fancy diagrams with the statistics. Therefore you calculate different values, e.g. Lotta's highest speed, the average speed per
 round, the total average speed over all rounds and so on. For some reason, you have some problems with calculating the total average speed, so you write a program to help you with that.


The input consists of:

- One line with an integer $n(1 \leq n \leq 1000)$, the number of times Lotta has run the route.
- One line with $n$ integers $v_{1}, \ldots, v_{n}\left(1 \leq v_{i} \leq 10^{5}\right.$ for all $\left.i\right)$, the speeds in $\frac{k m}{h}$ Lotta ran at.


## Output

Output the total average speed over all rounds in $\frac{\mathrm{km}}{\mathrm{h}}$ Lotta ran at. Your answer should have an absolute or relative error of at most $10^{-6}$.

## Sample Input 1

Sample Output 1

| 2 | 12 |
| :--- | :--- |
| 6 | 12 |

## Sample Input 2

Sample Output 2

| 3 | 1.9986445 |
| :--- | :--- |
| 1 | 9832 |

