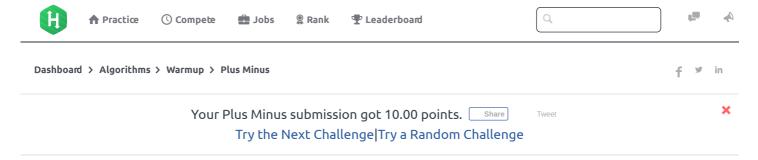
16/06/2017 HackerRank



# Plus Minus |



Problem Submissions Leaderboard Discussions Editorial

Given an array of integers, calculate which fraction of its elements are *positive*, which fraction of its elements are *negative*, and which fraction of its elements are *zeroes*, respectively. Print the decimal value of each fraction on a new line.

**Note:** This challenge introduces precision problems. The test cases are scaled to six decimal places, though answers with absolute error of up to  $10^{-4}$  are acceptable.

### Input Format

The first line contains an integer, N, denoting the size of the array.

The second line contains N space-separated integers describing an array of numbers  $(a_0,a_1,a_2,\ldots,a_{n-1})$ .

## **Output Format**

You must print the following  ${\bf 3}$  lines:

- 1. A decimal representing of the fraction of positive numbers in the array compared to its size.
- $2. \ A \ decimal \ representing \ of \ the \ fraction \ of \ \textit{negative} \ numbers \ in \ the \ array \ compared \ to \ its \ size.$
- 3. A decimal representing of the fraction of zeroes in the array compared to its size.

# Sample Input

### Sample Output

- 0.500000
- 0.333333
- 0.166667

## **Explanation**

There are  $\bf 3$  positive numbers,  $\bf 2$  negative numbers, and  $\bf 1$  zero in the array.

The respective fractions of positive numbers, negative numbers and zeroes are  $\frac{3}{6}=0.500000$ ,  $\frac{2}{6}=0.333333$  and  $\frac{1}{6}=0.166667$ , respectively.

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Submissions: 258958

Max Score:10 Difficulty: Easy

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Моге



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