





# Plus Minus ☆

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Given an array of integers, calculate the fractions of its elements that are *positive*, *negative*, and are *zeros*. 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.

For example, given the array arr=[1,1,0,-1,-1] there are 5 elements, two positive, two negative and one zero. Their ratios would be  $\frac{2}{5}=0.400000$ ,  $\frac{2}{5}=0.400000$  and  $\frac{1}{5}=0.200000$ . It should be printed as

- 0.400000
- 0.400000
- 0.200000

#### **Function Description**

Complete the *plusMinus* function in the editor below. It should print out the ratio of positive, negative and zero items in the array, each on a separate line rounded to six decimals.

plusMinus has the following parameter(s):

• arr. an array of integers

## 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  $arr(arr[0], arr[1], arr[2], \ldots, arr[n-1])$ .

#### Constraints

 $0 < n \le 100$ 

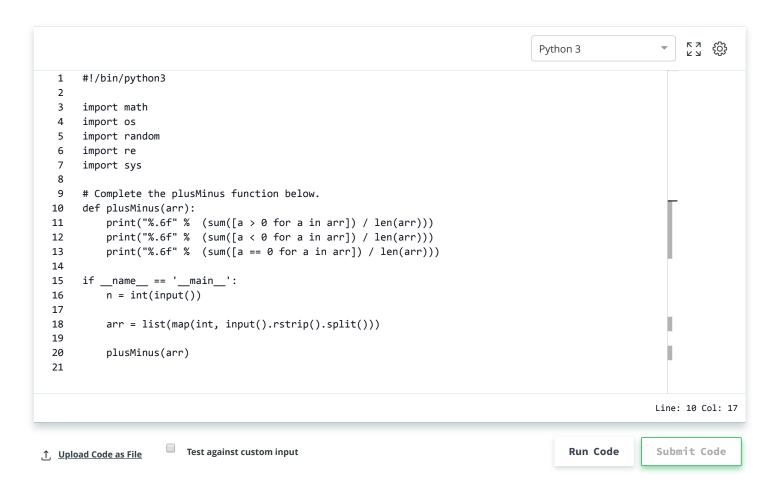
 $-100 \le arr[i] \le 100$ 

# **Output Format**

You must print the following 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 *negative* numbers in the array compared to its size.
- 3. A decimal representing of the fraction of zeros in the array compared to its size.



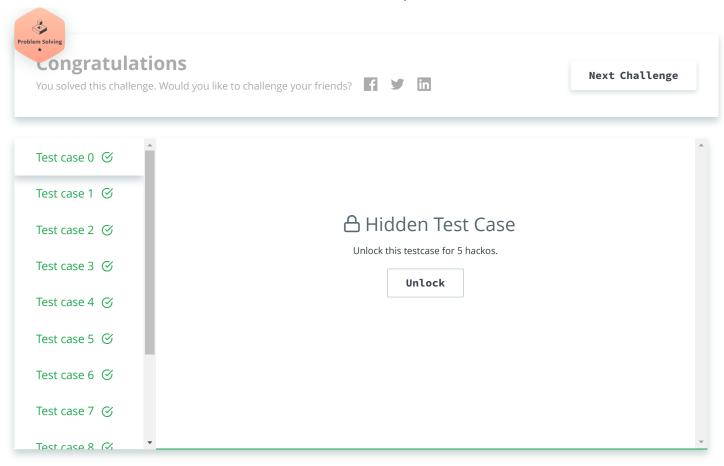


## إلا Share your code as a snippet.

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