**Plus Minus**

https://hr-avatars.s3.amazonaws.com/8d3fabd9-2280-4e75-8cca-9ea9d80415b1/150x150.png**by [vatsalchanana](https://www.hackerrank.com/vatsalchanana)**

**Problem Statement**

Given an array of integers, calculate which fraction of the elements are positive, negative, and zeroes, respectively. Print the decimal value of each fraction.

**Input Format**

The first line, N, is the size of the array.   
The second line contains N space-separated integers describing the array of numbers (A1,A2,A3,⋯,AN).

**Output Format**

Print each value on its own line with the fraction of positive numbers first, negative numbers second, and zeroes third.

**Sample Input**

6

-4 3 -9 0 4 1

**Sample Output**

0.500000

0.333333

0.166667

**Explanation**

There are 3 positive numbers, 2 negative numbers, and 1 zero in the array.   
The fraction of the positive numbers, negative numbers and zeroes are 36=0.500000, 26=0.333333 and 16=0.166667, respectively.

**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.

<https://www.hackerrank.com/challenges/plus-minus>

static void Main(String[] args)

{

int n = Convert.ToInt32(Console.ReadLine());

string[] arr\_temp = Console.ReadLine().Split(' ');

int[] arr = Array.ConvertAll(arr\_temp, Int32.Parse);

int pos = 0, neg = 0, zero = 0;

for (int i = 0; i < arr.Length; i++)

{

if (arr[i] > 0)

{

pos++;

}

else if (arr[i] < 0)

{

neg++;

}

else

{

zero++;

}

}

Console.WriteLine(((double)pos / (double)arr.Length).ToString("0.000000"));

Console.WriteLine(((double)neg / (double)arr.Length).ToString("0.000000"));

Console.WriteLine(((double)zero / (double)arr.Length).ToString("0.000000"));

Console.ReadLine();

}