Problem 1 – A, B and C

You are given 3 integer number **A**, **B** and **C**. Find:

- The biggest number among them
- The smallest number among them
- The *arithmetic mean* of the three numbers

The *arithmetic mean* is the sum of a collection of numbers divided by the number of numbers in the collection. The result should be rounded with 3 digits after the decimal point.

Input

The input data should be read from the console.

The number **A** will be given on the first console line.

The number **B** will be given on the second console line.

The number **C** will be given on the third console line.

The input data will always be valid and in the format described. There is no need to check it explicitly.

Output

The output data should be printed on the console.

On the first output line print the biggest number among **A**, **B** and **C**.

On the second output line print the smallest number among **A**, **B** and **C**.

On the third output line print the arithmetic mean of the number **A**, **B** and **C** with precision **3 digits** after the decimal point (Hint: use the formatting string `{0:F3}` for outputting the answer)

Constraints

- **A, B** and **C** will be integer numbers between -200 000 000 and 200 000 000, inclusive.
- Allowed working time for your program: 0.1 seconds. Allowed memory: 16 MB.

Examples

Example input	Example output	Explanation
1 2 3	3 1 2.000	
-2 -2 2	2 -2 -0.667	Here the exact *arithmetic mean* is -0.6666666666… but when rounded to the second digit after the decimal point we come up with -0.667