

## A. Restoring Three Numbers

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Polycarp has guessed three positive integers  $a$ ,  $b$  and  $c$ . He keeps these numbers in secret, but he writes down four numbers on a board in arbitrary order — their pairwise sums (three numbers) and sum of all three numbers (one number). So, there are four numbers on a board in random order:  $a + b$ ,  $a + c$ ,  $b + c$  and  $a + b + c$ .

You have to guess three numbers  $a$ ,  $b$  and  $c$  using given numbers. Print three guessed integers in any order.

Pay attention that some given numbers  $a$ ,  $b$  and  $c$  can be equal (it is also possible that  $a = b = c$ ).

### Input

The only line of the input contains four positive integers  $x_1, x_2, x_3, x_4$  ( $2 \leq x_i \leq 10^9$ ) — numbers written on a board in random order. It is guaranteed that the answer exists for the given number  $x_1, x_2, x_3, x_4$ .

### Output

Print such positive integers  $a$ ,  $b$  and  $c$  that four numbers written on a board are values  $a + b$ ,  $a + c$ ,  $b + c$  and  $a + b + c$  written in some order. Print  $a$ ,  $b$  and  $c$  in any order. If there are several answers, you can print any. It is guaranteed that the answer exists.

### Examples

<b>input</b>	<a href="#">Copy</a>
3 6 5 4	
<b>output</b>	<a href="#">Copy</a>
2 1 3	
<b>input</b>	<a href="#">Copy</a>
40 40 40 60	
<b>output</b>	<a href="#">Copy</a>
20 20 20	
<b>input</b>	<a href="#">Copy</a>
201 101 101 200	
<b>output</b>	<a href="#">Copy</a>
1 100 100	

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