# 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  $x_1,x_2,x_3,x_4$  ( $2 \le x_i \le 10_9$ ) — 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

201 101 101 200

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.

# are several answers, you can print any. It is guaranteed that the answer exists. Examples input Copy 3 6 5 4 output Copy 2 1 3 input Copy 40 40 40 60 output Copy 20 20 20 input Copy

# output



1 100 100