Average

Write a program that calculates the average of four numbers.

Entrance

In one line, four decimal numbers a, b, c and d are written.

$$0 \leq a,b,c,d \leq 100000$$

Output

On one line of standard output, print the average of the input numbers as shown in the examples to three decimal places.

How many kilo characters?

Write a program that finds the smaller character in terms of the alphabet and its ASCII code among two small English characters.

Hint: Find out about reading characters from standard input in C.

Entrance

In one line, two small and distinct English letters are written.

Output

Print the lowercase character and its ASCII code on one line of standard output according to the examples.

Big and Small

Write a program that calculates the sum of the maximum and minimum of three numbers using the ternary operator.

Entrance

In one line, three integers a, b and c are written.

$$-1000 \leq a,b,c \leq 1000$$

Output

Print the sum of the maximum and minimum input numbers on one line of standard output.

Odd and even design

Write a program that calculates the number of even numbers and the number of odd numbers by receiving five integers without using any conditional structure such as the three-function operator and if.

Entrance

In one line, five integers a, b, c, d and e are written.

$$0 \leq a,b,c,d,e \leq 100000$$

Output

On one line of standard output, first separate the number of even numbers and then the number of odd numbers with a space and print.

reverse

Write a program that calculates the inverse of a three-digit number.

Entrance

In one line, the three-digit number n is written, which is not a multiple of ten.

Output

On one line of standard output, print the inverse of the input number.

reduce the sequence

Sequence reduction involves deriving a new sequence with one term less than the current sequence. One of the reduction methods is the difference of sentences. That is, the second sentence minus the first sentence, the third sentence minus the second sentence, etc. Write a program that, upon receiving a sequence of five sentences, reduces it enough to reach a one-sentence sequence. For example, the following sequence will eventually reduce to 15.

3, 2, 5, 4, 6

−1, 3, −1, 2

4, −4, 3

4, −4, 3

−8, 7

15

Entrance

In one line, five consecutive sentences are written.

$$1 \leq ai \leq 1000$$

Output

On one line of standard output, print only the last sequence statement in the reduction process.

A little bit of searching (bonus)

Search about Format Strings.

In each of the following steps, you simply read a number from standard input using the scanf function and print it as desired on standard output using the printf function:

Print the integer with five characters and if the number of digits is less than five, print a space before it.

Print the integer in the same way as in the previous step, with the difference that you print a zero before the number instead of a space.

Print the integer with the sign before it.

Print the integer in the same way as in the previous step, except that instead of the positive sign, print a space.

Print the decimal number without the decimal point.

Print the decimal number with five decimal places and in ten characters, and for extra characters, print before zero.

Note: The string format is different from the subject of string, which is part of your future lessons, and you are not allowed to use string, what you are told to search is limited to stdio and printf.