

Digit Distance

The digit distance between two numbers is the total value of the difference between each pair of digits.

To illustrate:

$$\text{digitDistance}(234, 489) \rightarrow 12$$
$$\text{Since } |2 - 4| + |3 - 8| + |4 - 9| = 2 + 5 + 5$$

Your task is to write a program that returns the digit distance between two integers.

Notes

Both integers will be exactly the same length.

All digits in B have to be higher than their counterparts in A.

Input

The first line of input contains the two numbers A and B.

Output

The first line of output contains the digit distance between two integers.

Sample input

Sample output

121 599	19
12 12	0
10 20	1