

# **Nobita without Doraemon**

Nobita is a third year student (3rd class) at elementary school. He is now learning the addition operation.

The teacher has written down the sum of multiple numbers. Pupils should calculate the sum. To make the calculation easier, the sum only contains numbers 1, 2 and 3. Still, that isn't enough for Nobita. He is only beginning to count, so he can calculate a sum only if the summands follow in non-decreasing order. For example, he can't calculate sum  $1+3+2+1$  but he can calculate sums  $1+1+2$  and  $3+3$ .

You've got the sum that was written on the board. Rearrange the summands and print the sum in such a way that Nobita can calculate the sum.

## **Input**

The first line contains a non-empty string  $s$  — the sum Nobita needs to count. String  $s$  contains no spaces. It only contains digits and characters "+". Besides, string  $s$  is a correct sum of numbers 1, 2 and 3. String  $s$  is at most 100 characters long.

## **Output**

Print the new sum that Nobita can count.

# Examples :

Input 1

$3+2+1$

Output 1

$1+2+3$

Input 2

$1+1+3+1+3$

Output 2

$1+1+1+3+3$

Input 3

2

Output 3

2