2789 - Sum Order

Description

Paul is learning how to add numbers. To make the calculation easier, the sum only contains numbers 1, 2 and 3. 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 add the sum 1+3+1 but he can calculate sums 1+1+2 and 3+3. Given the sum, your task is to rearrange the summands in such way that Paul can make the sum calculation.

Input specification

The first line contains a non-empty string **s**, the sum Paul 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**. The length of the string **s** is less than or equal than **1000** characters.

Output specification

Print the sum after rearranging the summands belonging to the input.

Sample input

```
3+2+1
```

Sample output

```
1+2+3
```

Hint(s)

Source	José Ricardo Arias
Added by	**ralcolea**
Addition date	2014-03-27
Time limit (ms)	10000
Test limit (ms)	1000
Memory limit (kb)	65535
Output limit (mb)	64