Compare

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

Given two strings X and Y. Print the **smallest lexicographical** one.

Note: Lexicographical is the way of ordering the words based on the alphabetical order of their component letters.

Input

Only one line contains two strings X, Y ($1 \leq |X|, |Y| \leq 20$) consists of lowercase English letters.

Output

Print the **smallest lexicographical** string.

Note: If both of X and Y are equal, print any of them.

Example

standard input	standard output
acm acpc	acm

Note

For more information visit Lexicographical order: https://en.wikipedia.org/wiki/Lexicographical_order