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49 Sec**Guidelines**

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ONLINE EDITOR (B)

Exchange Digits

+ Problem Description

Compute nearest larger number by interchanging digits updated.

Given 2 numbers a and b find the smallest number greater than b by interchanging the digits of a and if not possible print -1.

+ Constraints

$1 \leq a, b \leq 10000000$

+ Input Format

2 numbers, a and b, separated by space.

+ Output

A single number, greater than than b.

If not possible, print -1.

+ Test Case

+ Explanation

Example 1

Input

459 500

Output

549

Example 2

Input

645757 457765

Output

465577

Example 3

Input

5964 9984

Output

-1

Upload Solution [Question : B]

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