TCS CODEVITA 2019 PROBLEM ANSWERS

SIMPLIFIED VERSION

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 <= a,b <= 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