CODEFORCES β
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PROBLEMS   SUBMIT   STATUS   STANDINGS   CUSTOM TEST

A. Distinct Digits

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

You have two integers l and r. Find an integer x which satisfies the conditions below:

- $l \le x \le r$.
- All digits of x are different.

If there are multiple answers, print any of them.

Input

The first line contains two integers l and r ($1 \le l \le r \le 10^5$).

Output

If an answer exists, print any of them. Otherwise, print -1.

Examples

input	Copy
121 130	

output	Copy
123	

input	Copy
98766 100000	

output	Copy
-1	

Note

In the first example, 123 is one of the possible answers. However, 121 can't be the answer, because there are multiple 1s on different digits.

In the second example, there is no valid answer.

Codeforces Round #589 (Div. 2)

Finished

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Problem tags

| brute force | implementation | *800 |

No tag edit access

→ Contest materials

- Announcement (en)   ✕
- Tutorial (en)   ✕