



## 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:

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

If there are multiple answers, print any of them.

### Input

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

### 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

Practice



### → 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

### → Practice

You are registered for practice. You can solve problems unofficially. Results can be found in the contest status and in the bottom of standings.

### → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest

### → Submit?

Language: GNU G++11 5.1.0

Choose file: 选择文件 未选择任何文件

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.



Submit

### → Problem tags

brute force implementation

No tag edit access

### → Contest materials

- Announcement (en) 
- Tutorial (en) 

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