

Gym 100886G. Maximum Product

time limit per test 1 second

memory limit per test 256 mebibytes

input *standard input*output *standard output*

Find the number from the range $[a, b]$ which has the maximum product of the digits.

Input

The first line contains two positive integers a and b ($1 \leq a \leq b \leq 10^{18}$): the left and the right ends of the range.

Output

Print the number with the maximum product of the digits from the range $[a, b]$. If there are several possible answers, print any one of them.

Examples

input	Copy
1 10	
output	Copy
9	

input	Copy
51 62	
output	Copy
59	