A Benedict monk No. 16 writes down the decimal representations of all natural numbers between and including $m$ and $n, m \leq n$. How many 0 's will he write down?

## Input

Input consists of a sequence of lines. Each line contains two unsigned 32 -bit integers $m$ and $n$, $m \leq n$. The last line of input has the value of $m$ negative and this line should not be processed.

## Output

For each line of input print one line of output with one integer number giving the number of 0 's written down by the monk.

## Sample Input

1011
100200
0500
12345678902345678901
04294967295
-1 -1

## Sample Output

1
22
92
987654304
3825876150

