Problem ESimple Addition

Input: Standard Input
Output: Standard Output

Let's define a simple recursive function F (n), where

$$F(n) = \begin{cases} n\%10, & \text{if } (n\%10) > 0 \\ 0, & \text{if } n = 0 \\ F(n/10), & \text{Otherwise} \end{cases}$$

Let's define another function S (p, q),

$$S(p,q) = \sum_{i=p}^{q} F(i)$$

In this problem you have to Calculate S(p, q) on given value of p and q.

Input

The input file contains several lines of inputs. Each line contains two non negative integers \mathbf{p} and \mathbf{q} ($\mathbf{p} \le \mathbf{q}$) separated by a single space. \mathbf{p} and \mathbf{q} will fit in 32 bit signed integer. In put is terminated by a line which contains two negative integers. This line should not be processed.

For each set of input print a single line of the value of S(p, q).

Sample Input

Output for Sample Input

1 10	46
10 20	48
30 40	52
-1 -1	32

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