

## SUM OF DIGITS OF NUMBER IN SEGMENT

For each pair of non-negative integers **a** and **b**, we define the total number of the segments **[a, b]** as the sum of the digits that appears in the numbers is between **a** and **b**. For example, the total digit of normal **[49,52]** is:

$$4 + 9 + 5 + 0 + 5 + 1 + 5 + 2 = 31$$

Given two non-negative integers **a** and **b**, write a program that sums the digits of the segment **[a, b]**.

**Input:** Include a line containing two non-negative integers **a** and **b** ( $0 \leq \mathbf{a} \leq \mathbf{b} \leq 10^{15}$ ).

**Output:** A line containing an integer that is the total digit of segment **[a, b]**.

**Example 1:**

**DIGITS.INP**

49 52

**DIGITS.OUT**

31

**Example 2:**

**DIGITS.INP**

30 30

**DIGITS.OUT**

3