# **Sum of Digits**

Majid is a 3rd-grade elementary student and quite well in mathematics. Once, Majid's teacher asked him to calculate the sum of numbers 1 through n.

Majid quickly answered, and his teacher made him another challenge. He asked Majid to calculate the sum of the digits of numbers 1 through n.

Majid did finally find the solution. Now it is your turn, can you find a solution?

## Input

Two space-separated integers  $0 \le a \le b \le 10^9$ .

Program terminates if a and b are -1.

### **Output**

The sum of the digits of numbers a through b.

## **Example**

#### Input:

1 10 100 777 -1 -1

#### **Output:**

46 8655