## ം DIGITSUM ∾ം

Given two integers A and B, count how many integers between A and B (including A and B) have the sum of their digits equal to K.

For example, if K = 5, A = 23, and B = 110, then there are 5 such integers: 23, 32, 41, 50, and 104.

## Input

The first line contains an integer A. The second line contains an integer B. The third line contains an integer K. ( $1 \le A < B \le 1,000,000,1 \le K \le 200$ ).

## **Output**

Output the number of integers between A and B (including A and B) whose sum of digits equals K.

## **Example**

Input	Output
23	5
110	
5	
10	63
1000	
10	
100	1
1000000	
1	