## Problem C Cudak

Problem ID: cudak
CPU Time limit: 1 secor
Memory limit: 1024 ME

**Source:** Croatian Open Competition in Informat 2007/2008, contest #3 **License:** For educationa

Božo is a strange little boy. Every day he tires his friends with strange questions. Today's question is: how many integers in the interval [A,B] are there such that the sum of their digits is S, and which is the smallest such number?

Write a program that answers Božo's question so that he can get some sleep.

## Input

The input contains three integers A,B and S ( $1 \le A \le B < 10^{15}$ ,  $1 \le S \le 135$ ).

## Output

The first line should contain the number of integers in the interval with the digit sum equal to S.

The second line should contain the smallest such integer.

The input data will guarantee that the first number is at least 1.

Sample Input 1	Sample Output 1
1 9 5	1 5
Sample Input 2	Sample Output 2
1 100 10	9 19
Sample Input 3	Sample Output 3
11111 99999 24	5445 11499