The impossible has happened. Bear G. has fallen into his own trap. Lured by a delicious box of Domaćica, without even thinking, he rushed and fell into his trap. In order to get out of the trap, he must solve the following task with your help.

You are given three integers L, D andX.

• determine the minimal integer N such that L ≤ N ≤ D, and the sum of its digits equals X.  
• determine the maximal integer M such that L ≤ M ≤ D, and the sum of its digits equals X.

The bear will be able to escape from the trap if he calculates numbers N and Mcorrectly. It is guaranteed that such numbers always exist.

**Example:**

bearTrap(500, 505, 10) = [505, 505]

* **[input] integer L**
* **[input] integer D**
  + 1 ≤ L ≤ D ≤ 10000.
* **[input] integer X**
  + 1 ≤ X ≤ 36
* **[output] array.integer**
  + Array of two elements, where the first element is N, and the second one is M.

<https://codefights.com/challenge/FFQNC5ET3xLuSj5Jj>

static int[] bearTrap(int L, int D, int X)

{

int min = 0, max = 0;

for (int i = L; i <= D; i++)

{

int sumDig = 0;

int n = i;

while (n > 0)

{

sumDig += n % 10;

n /= 10;

}

if (sumDig == X)

{

min = i;

break;

}

}

for (int i = D; i >= L; i--)

{

int sumDig = 0;

int n = i;

while (n > 0)

{

sumDig += n % 10;

n /= 10;

}

if (sumDig == X)

{

max = i;

break;

}

}

return new int[] { min, max};

}