

Son is going to write a list of all positive integers between A and B, inclusive, in base 10 and without any leading zeros. He wants to know how many times each digit is going to be used.

INPUT:

- Each test case is given in a single line that contains two integers A and B ($1 \leq A \leq B \leq 10^8$).
- The last test case is followed by a line containing two zeros.

OUTPUT:

- For each test case output a single line with 10 integers representing the number of times each digit is used when writing all integers between A and B, inclusive, in base 10 and without leading zeros. Write the counter for each digit in increasing order from 0 to 9.

INPUT	OUTPUT
1 9	0 1 1 1 1 1 1 1 1 1
12 321	61 169 163 83 61 61 61 61 61 61
5987 6123	134 58 28 24 23 36 147 24 27 47
12345678 12345679	0 2 2 2 2 2 2 2 1 1
0 0	