

1140 – How Many Zeroes?

Jimmy writes down the decimal representations of all natural numbers between and including **m** and **n**, (**m** ≤ **n**). How many zeroes will he write down?

Input

Input starts with an integer **T** (≤ **11000**), denoting the number of test cases.

Each case contains two unsigned 32-bit integers **m** and **n**, (**m** ≤ **n**).

Output

For each case, print the case number and the number of zeroes written down by Jimmy.

Sample Input	Output for Sample Input
5	Case 1: 1
10 11	Case 2: 22
100 200	Case 3: 92
0 500	Case 4: 987654304
1234567890 2345678901	Case 5: 3825876150
0 4294967295	