

## 1140 – How Many Zeroes?

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

### Input

Input starts with an integer  $T$  ( $\leq 11000$ ), denoting the number of test cases.

Each case contains two unsigned 32-bit integers  $m$  and  $n$ , ( $m \leq n$ ).

### Output

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

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