

ZEROES IN RANGE

You are given two integers a and b . Find the number of zeroes in the digits of all the numbers in the range $[a, b]$ inclusive.

Input

The first line consists of an integer t , the number of test cases. For each test case you will be given two integers a and b ($a \leq b$).

Output

For each test case print the required answer.

Constraints

$$1 \leq t \leq 1000$$

$$1 \leq a \leq b \leq 10000000$$

Input:

```
2
1 10
1 100
```

Output:

```
1
11
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