

# ZEROES IN RANGE V2

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

$$1 \leq t \leq 1000$$

$$1 \leq a \leq b \leq 10^9$$

## Example

**Input:**

```
2
1 10
1 100
```

**Sample Output:**

```
1
11
```