Problem D. Counting Pretty Numbers

Time limit	1000 ms
Code length Limit	50000 B
OS	Linux

Read problems statements in Mandarin chinese, Russian and Vietnamese as well.

Vasya likes the number 239. Therefore, he considers a number *pretty* if its last digit is 2, 3 or 9.

Vasya wants to watch the numbers between L and R (both inclusive), so he asked you to determine how many pretty numbers are in this range. Can you help him?

Input

- The first line of the input contains a single integer T denoting the number of test cases. The description of T test cases follows.
- The first and only line of each test case contains two space-separated integers L and R.

Output

For each test case, print a single line containing one integer — the number of pretty numbers between L and R.

Constraints

- $1 \le T \le 100$
- $1 \le L \le R \le 10^5$

Subtasks

Subtask #1 (100 points): original constraints

Sample 1

Input	Output
2 1 10 11 33	3 8

Example case 1: The pretty numbers between 1 and 10 are 2, 3 and 9.

Example case 2: The pretty numbers between 11 and 33 are 12, 13, 19, 22, 23, 29, 32 and 33.