Problem B : Divisibility Moves

You are given two positive integers a and b. In one move, you can increase a by 1 (that is, replace a with $a + 1$).

Your task is to determine the minimum number of moves needed to make a divisible by b.

It is possible that you need to make 0 moves if a is already divisible by b.

You have to answer t independent test cases.

Input

The first line contains one integer t ($1 \le t \le 10^4$) — the number of test cases.

Each of the following t lines contains two integers a and b ($1 \le a, b \le 10^9$).

Output

For each test case, print a single integer — the minimum number of moves required to make a divisible by b.

Example

Standard Input	Standard Output
5 10 4 13 9 100 13 123 456 92 46	2 5 4 333 0