## Problem G. Divisibility Problem

**Time limit** 1000 ms **Mem limit** 262144 kB

You are given two positive integers a and b. In one move you can increase a by 1 (replace a with a+1). Your task is to find the minimum number of moves you need to do in order to make a divisible by b. It is possible, that you have to make 0 moves, as a is already divisible by b. You have to answer t independent test cases.

## Input

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

The only line of the test case contains two integers a and b ( $1 \le a, b \le 10^9$ ).

## Output

For each test case print the answer — the minimum number of moves you need to do in order to make a divisible by b.

## **Examples**

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