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A. Divisibility Problem

time limit per test: 1 second
 memory limit per test: 256 megabytes
 input: standard input
 output: standard output

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 ($1 \leq t \leq 10^4$) — the number of test cases. Then t test cases follow.

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

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 .

Example

input	Copy
5 10 4 13 9 100 13 123 456 92 46	
output	Copy
2 5 4 333 0	

Codeforces Round #629 (Div. 3)

Contest is running

00:23:05

Contestant



→ Submit?

Language: GNU G++17 7.3.0

Choose file: main.cpp

→ Last submissions

Submission	Time	Verdict
74464450	Mar/26/2020 19:04	Runtime error on test 1
74461490	Mar/26/2020 19:00	Compilation error

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 The only programming contests Web 2.0 platform
 Server time: Mar/26/2020 11:07:29^{UTC-5} (i1).
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