



HOME TOP CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

## 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

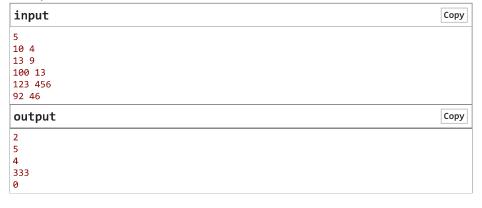
The first line of the input contains one integer t ( $1 \le t \le 10^4$ ) — the number of test cases. Then t test cases follow.

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.

#### Example



# Codeforces Round #629 (Div. 3) Finished Practice

B

### → Virtual participation

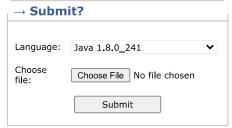
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Start virtual contest

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest



→ Last submissions			
Submission	Time	Verdict	
133371921	Oct/28/2021 18:36	Time limit exceeded on test 3	
133371829	Oct/28/2021 18:35	Wrong answer on test 1	



→ Contest materials			
Announcement	36		
Tutorial (en)	36		

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