

Find Remainder

Problem Code: **FLOW002**

Write a program to find the remainder when two given numbers are divided.

Input

The first line contains an integer **T**, total number of test cases. Then follow **T** lines, each line contains two Integers **A** and **B**.

Output

Find remainder when **A** is divided by **B**.

Constraints

- $1 \leq T \leq 1000$
 - $1 \leq A, B \leq 10000$
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Example

Input

```
3
1 2
100 200
10 40
```

Output

```
1
100
10
```