Problem A: Division

Description

For any two integers, *a* and *b*, given, find the quotient and the remainder on division *a* ÷ *b*.

Input

Your program is to read from standard input. The input consists of *T* test cases. The number of test cases *T* is given in the first line of input. For each test case, the dividend, *a*, and the divisor, *b*, are given on a single line, separated by a space (1 ≤ *b* ≤ *a* ≤ 1000).

Output

Your program is to write to standard output. For each test case, you should print the quotient and the remainder on a single line, separated by a space.

Sample

Input	Output
3	2 1
7 3	5 0
10 2	4 7
59 13	