## Jutge.org

The Virtual Learning Environment for Computer Programming

Splitting some coins
Dissetè Concurs de Programació de la UPC - Final (2019-09-18)
You have to split $c$ coins among $n$ people. You know that each individual will spend all the coins that he or she will receive by buying as many books as possible, each of them by a price of $p$ coins. The remaining coins of each person will be lost. You want to know the minimum number of books that can be bought, and also the maximum.
For instance, with $n=2, c=16$ and $p=10$, by giving 8 coins to each person, they can buy nothing. But dividing the coins in two groups of 12 and 4 , the first person can buy one book. In this case the minimum is 0 and the maximum is 1 .

## Input

Input consists of several cases, each with $n, c$ and $p$. All numbers are integers. You can assume that $n$ and $p$ are between 1 and 3000 , and that $c$ is between 1 and $10^{9}$.

## Output

For every case, print the minimum and the maximum number of books that can be bought.

## Sample input

21610
51000100
123

## Sample output

01
610
00

## Problem information

Author: Salvador Roura
Generation : 2019-09-18 10:12:46
© Jutge.org, 2006-2019.
https://jutge.org

