Add and subtract one second

P56358_en

Examen final d'Informàtica, FME (2014-01-14)

Write a program that, given a time expressed in hours, minutes and seconds, computes the time corresponding to add one second, and also the time corresponding to subtract one second.

Your program must use the definition

> **struct** *Time* {
>   **int** *hour*, *minute*, *second*;
> };

and it must implement and use the precedure

> **void** *one_second*(**const** *Time*& *t*, *Time*& *t1*, *Time*& *t2*);

that leaves in *t1* the time in *t* plus one second, and leaves in *t2* the time in *t* minus one second. For instance, if *t* has 23 59 59, then *t1* must be 0 0 0 and *t2* must be 23 59 58.

Input

Input consists of several cases, each with three numbers (hour, minute and second) that form a correct time. That is, the hour is between 0 and 23, and the minute and the second are between 0 and 59.

Output

For every given time *t*, print two lines with *t1* and *t2*.

Observation

You can implement auxiliary procedures.

Sample input

```
10 20 30
0 0 0
23 59 59
```

Sample output

```
10 20 31
10 20 29
0 0 1
23 59 59
0 0 0
23 59 58
```

Problem information

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