
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 procedure

```
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

Author : Salvador Roura

Translator : Salvador Roura

Generation : 2024-05-02 19:42:12

© Jutge.org, 2006–2024.

<https://jutge.org>