

## B. The Time

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

You are given the current time in **24-hour** format `hh:mm`. Find and print the time after  $a$  minutes.

Note that you should find only the time after  $a$  minutes, see the examples to clarify the problem statement.

You can read more about **24-hour** format here [https://en.wikipedia.org/wiki/24-hour\\_clock](https://en.wikipedia.org/wiki/24-hour_clock).

### Input

The first line contains the current time in the format `hh:mm` ( $0 \leq hh < 24$ ,  $0 \leq mm < 60$ ). The hours and the minutes are given with two digits (the hours or the minutes less than 10 are given with the leading zeroes).

The second line contains integer  $a$  ( $0 \leq a \leq 10^4$ ) — the number of the minutes passed.

### Output

The only line should contain the time after  $a$  minutes in the format described in the input. Note that you should print exactly two digits for the hours and the minutes (add leading zeroes to the numbers if needed).

See the examples to check the input/output format.

### Examples

<b>input</b>
23:59 10
<b>output</b>
00:09
<b>input</b>
20:20 121
<b>output</b>
22:21
<b>input</b>
10:10 0
<b>output</b>
10:10

### Educational Codeforces Round 7

Finished

#### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.


Start virtual contest

#### → Problem tags

implementation

No tag edit access

#### → Contest materials

- Announcement 
- Tutorial 