Lazy Clock

Once upon a time, Lili has a digital clock that shows hours, minute and second of the time. Sadly, after a long time, the clock stopped working. Lili loved the clock so much that she repairs the clock if it broke no matter what. After the reparation, Lili has to set the number to the right value. Fortunately, Lili has a device that counts each second passed since the clock dies. You as a good Binusian with a good personality, help Lili to determine the current time with 24-hour format.

Format Input

The first line contains T, the number of test cases.

For each test case, the input will consist of two lines with this format:

hour:*minute*:*second*

passed_time

the first line describes the current time and the second line is the number shown by Lili's device (in second).

Format Output

For each test case, output the current time with the 24-hours format.

Constraints

$T = 3$
$0 \leq hour < 24$
$0 \leq minute < 60$
$0 \leq second < 60$
$0 \leq passed\_time \leq 100000$

Sample Input	Sample Output
3 00:00:00 1 10:59:59 60 23:00:00 7200	00:00:01 11:00:59 01:00:00