

# Problem 1. Sino The Walker

Sino is one of those people that lives in SoftUni. He leaves every now and then, but when he leaves he always takes a different route, so he needs to know how much time it will take for him to go home. Your job is to help him with the calculations.

You will receive the **time that Sino leaves** SoftUni, the **steps taken** and **time for each step, in seconds**.

You need to print the exact **time** that he will **arrive at home in the format specified**.

## Input / Constraints

- The first line will be the time Sino leaves SoftUni in the following format: **HH:mm:ss**
- The second line will contain the **number of steps** that he needs to walk to his home. This number will be an integer in range **[0...2,147,483,647]**
- On the final line you will receive the **time in seconds** for each **step**. This number will be an integer in range **[0...2,147,483,647]**

## Output

- Print the **time of arrival** at home in the following format:
  - **Time Arrival: {hours}:{minutes}:{seconds}**
- If hours, minutes or seconds are a single digit number, add a zero in front.
- If, for example, hours are equal to zero, print a **00** in their place. The same is true for minutes or seconds.
- Time of day starts at **00:00:00** and ends at **23:59:59**

## Examples

Input	Output
12:30:30 90 1	Time Arrival: 12:32:00
Input	Output
23:49:13 5424 2	Time Arrival: 02:50:01