Program For Photographers

A photographer takes pictures of people on special events and wants to inform the clients when their pictures will be ready. The number of pictures usually is big and it requires **time for editing**. The photographer follows this pattern: first he takes all pictures. Then he goes through every single picture to filter these pictures that are considered **"good"**. Then he needs to **upload** every single filtered picture to his **cloud**. He is ready when all filtered pictures are uploaded in his **picture storage**.

You will receive the **number of pictures** he had taken. Then the approximate **time** in seconds for every picture to be filtered. Then a **filter factor** – a percentage (integer number) of the total photos (rounded to the nearest bigger integer value e.g. 5.01 -> 6) that are good enough to be given to his clients. Approximate time for every picture to be uploaded will be given again in seconds. Based on this input, your task is to display **total time** needed to be ready with the pictures in given below format.

Input:

- On the **first line** – the **number of pictures** the photographer had taken.
- On the **second line** – the amount of time (**filter time**) in seconds that the photographer will need to filter every single picture.
- On the **third line** – the **filter factor** or the percentage of the total pictures that are considered "good" to be uploaded.
- On the **fourth line** – the amount of time needed for every filtered picture to be **uploaded to his storage**.

The input will be in the described format, there is no need to check it explicitly.

Output:

Print the amount of time the photographer will need in order to have his pictures ready to be sent to the client in given format:

d:HH:mm:ss
d - days needed – starting from 0.
HH – hours needed – from 00 to 24.
mm – minutes needed – from 00 to 59.
ss – minutes needed – from 00 to 59.

Constraints:

The number of total pictures the photographer will have taken is range [0 … 1 000 000]
The seconds for both filtering and uploading will be in range [0 … 100 000]
The filter factor will be an integer number between [0 … 100].