Problem 1 – Book Problem

Stefan is a keen reader. He wants to read a programming book and wants to know exactly when he will finish it.

Every day in a given month **he reads up some pages**. Some days he goes camping and on these days he **doesn't read**.

You will be given **the book's page count, the number of camping days in a month** and **number of pages which Stefan reads in a normal day,** each on a separate line. Assume **each month has 30 days** and **each year has 12 months**. Calculate how many years and months Stefan will need in order to read the book and print the result on the console in format **"X years Y months"**. If Stefan never reads the book, print **"never"**.

Note that if, for example, Stefan needs 3.1 months, you need to **round that up** – so you have to print "0 years 4 months".

Input

The input will be read from the console. It consists of exactly **three lines**:
- On the **first line** you will be given an integer – **the number of pages of the book**.
- On the **second line** you will be given the **number of camping days in a month**.
- On the **third line** you will be given the **number of pages which Stefan reads every normal day**.

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

Output

The output should be printed on the console.
- On the only output line **print the number of years and months** Stefan will need to read the book in **format "X years Y months"**.
- If Stefan cannot read the book, you should print **"never"**.

Constraints

- The number of **pages** of the book will be an integer in the range [1 … 2 000 000 000].
- The number of **camping days** will be an integer in the range [0 … 30].
- The **number of pages Stefan reads** in a normal day will be an integer in the range [0 … 100].
- Allowed working time: 0.1 seconds. Allowed memory: 16 MB.

Examples

Input	Output	Comments
250000 5 10	83 years 4 months	There are 30 days in a month => 5 camping days and 25 normal days. On a normal day he reads 10 => 25*10 = 250 pages. On a camping day he doesn't read. 250000/250 = 1000 – he needs exactly 1000 months. This is 83 years and 4 months.

Input	Output
25 30 100	never

Input	Output
24 0 1	0 years 1 months