

Problem 1 – Next Date

We are given a date (day + month + year). Write a program to print the next day.

Input

The input data consists of 3 lines holding the integer numbers: **day**, **month** and **year**.

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

Output

The output data should be printed on the console in the format **day.month.year** (no leading zeroes).

Constraints

- The number **day** is in the range [1...31] inclusive.
- The number **month** is in the range [1...12] inclusive.
- The number **year** is in the range [2000...2013] inclusive.
- The date is valid according to the classical calendar system.
- Allowed work time for your program: 0.1 seconds.
- Allowed memory: 16 MB.

Examples

Input	Output
1 11 2012	2.11.2012

Input	Output
30 9 2011	1.10.2011

Input	Output
28 2 2003	1.3.2003

Input	Output
31 12 2012	1.1.2013