Bunny Island
Input File: bunny.txt

Ōkunoshima, an island in Japan, is home to thousands of bunnies. Due to a lack of predators, the bunny population has grown rapidly, and can be modeled by the Fibonacci Equation. This equation is shown below:

$$F_n = F_{n-1} + F_{n-2}$$

Your job is to find the new number of bunnies based on two starting numbers (F_{n-1} and F_{n-2}) and a period of time. Given that the bunny population is modeled so that *n* increases by **one every month**, use the given data to find the new bunny population in different scenarios.

Input:

The first line contains an integer N. The following N lines contain three space-separated integers representing F_{n-2} ($1 < F_{n-2} < 100$), F_{n-1} ($1 < F_{n-1} < 100$), and a time period in months ($1 < \text{months} < 25$).

Output:

You will output the new bunny population for each of the different scenarios (each answer gets a new line).

Example Input:

```
4
5 8 20
2 3 1
13 21 5
1 2 16
```

Example Output:

```
121393
5
233
4181
```