

# Not Fibonacci

The Fibonacci sequence is a sequence where each element in it is the sum of its two previous elements. Or, written formally:

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

Traditionally, the first two numbers in the Fibonacci sequence is 0 and 1, thus resulting in the sequence 0, 1, 1, 2, 3, 5, 8, ...

In this problem, you are asked to find  $F_K$ , given the first two numbers  $F_0$  and  $F_1$ .

# Format Input

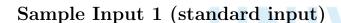
The input consists of a line containing two integers  $F_0$ , and  $F_1$ , then followed by another line containing an integer K.

### Format Output

Output a single number N, the Kth number in the Fibonacci sequence starting with  $F_0$  and  $F_1$ .

#### Constraints

- $-10^3 < F_0, F_1 < 10^3$
- $1 \le K \le 30$



0 1 5

# Sample Output 1 (standard output)

5

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#### Sample Input 2 (standard input)

0 2 2

## Sample Output 2 (standard output)

2

#### Sample Input 3 (standard input)

3 2

# Sample Output 3 (standard output)

12

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#### Not Fibonacci

Deret Fibonacci adalah deretan angka dimana setiap elemen merupakan hasil penjumlahan dari dua elemen sebelumnya. Atau, secara formal:

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

Secara tradisional, dua angka pertama di deret Fibonacci adalah 0 dan 1, yang kemudian menghasilkan deret 0, 1, 1, 2, 3, 5, 8, ...

Di soal ini, kamu diminta mencari  $F_K$ , jika diberikan dua angka pertama  $F_0$  dan  $F_1$ .

#### Format Input

Input terdiri dari sebuah baris berisi dua angka  $F_0$  dan  $F_1$ , kemudian diikuti sebuah baris berisi satu angka K.

### Format Output

Tampilkan sebuah angka N, angka ke-K di deret Fibonacci yang dimulai dengan  $F_0$  dan  $F_1$ .

#### Constraints

- $-10^3 \le F_0, F_1 \le 10^3$
- $1 \le K \le 30$

## Sample Input 1 (standard input)

0 1

5

## Sample Output 1 (standard output)

5

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#### Sample Input 2 (standard input)

0 2 2

## Sample Output 2 (standard output)

2

#### Sample Input 3 (standard input)

3 2

# Sample Output 3 (standard output)

12

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