Problem A: Lifting Weights

Lily has decided that she needs to exercise and has started to lift weights. During her first week of exercising, she was capable of lifting some weight **A**. However, as she grew stronger, she was able to lift **B** more kilograms than she could the week before. Figure out how much weight Lily was able to lift after **N** weeks.

**Input:**

The first line of input provides the number of test cases, **T** (1 ≤ **T** ≤ 100). **T** test cases follow. Each test case consists of one line containing three integers **A**, **B**, **N**

(1 ≤ **A**, **B**, **N** ≤ 100).

**Output:**

For each test case, your program should output one integer, how much she should be able to lift.

**Sample Input:**

2

2 2 1

2 3 4

**Sample Output:**

2

11

**Explanation of Sample Input:**

In the second test case, she was able to lift 2 kilograms in her first week, 5 in her second, 8 in her third, and 11 in her fourth.