Chef Eren

Chef is a very big fan of Eren Yeager.

In the last season of Attack on Titan, there were N episodes numbered from 1 to N.
Each even indexed episode was A minutes long and each odd indexed episode was B minutes long.

Calculate the total duration (in minutes) of the last season.

Input Format

- The first line of input contains a single integer T, the number of test cases.
- The first and only line of each test case contains three integers N, A, and B, the number of episodes and the durations of each even-indexed and odd-indexed episodes respectively in minutes.

Output Format

For each test case, print a single integer on a new line, the total duration of the last season in minutes.

Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 60$
- $1 \leq A, B \leq 60$

Sample 1:

Input	
Output	
3 1 2 2 2 3 4 4 20 30	2 7 100

Explanation:

Test case 1**:** There is only one episode, so there is 1 odd-indexed episode, and 0 even-indexed episode. The total duration of the season $= 0 \cdot A + 1 \cdot B = 0 \cdot 2 + 1 \cdot 2 = 2$.

Test case 2**:** There are two episodes with indices $\{1, 2\}$. Thus, there is 1 odd-indexed episode $(\{1\})$, and 1 even-indexed episode $(\{2\})$. The total duration of the season $= 1 \cdot A + 1 \cdot B = 1 \cdot 3 + 1 \cdot 4 = 7$.

Test case 3: There are four episodes with indices $\{1, 2, 3, 4\}$. Thus, there are 2 odd-indexed episodes $(\{1, 3\})$, and 2 even-indexed episodes $(\{2, 4\})$. The total duration of the season $= 2 \cdot A + 2 \cdot B = 2 \cdot 20 + 2 \cdot 30 = 100$.