PLUSMINUS

Given a positive integer N, let $f(N) = 1 - 2 + 3 - 4 + 5 - 6 + \ldots \pm N$. For example,

- If $N = 3$, then $f(N) = 1 - 2 + 3 = 2$.
- If $N = 6$, then $f(N) = 1 - 2 + 3 - 4 + 5 - 6 = -3$.
- If $N = 7$, then $f(N) = 1 - 2 + 3 - 4 + 5 - 6 + 7 = 4$.

Input

The first line contains an integer A. The second line contains an integer B. The third line contains an integer C. ($1 \leqslant A, B, C \leqslant 10\,000\,000\,000$).

Output

Output $f(A) + f(B) + f(C)$.

Example

Input	Output
3 6 7	3