Task calculator

Calculator

Mouse Stofl discovered a mechanical calculator in the attic. The calculator only supports addition, subtraction and multiplication.

Stofl wants to check whether it's still working properly, so he asks you for correct results of several calculations.

Input

Three integers *op*, *a*, *b*.

- If op = 0, then Stofl wants to calculate a + b.
- If op = 1, then Stofl wants to calculate a b.
- If op = 2, then Stofl wants to calculate $a \cdot b$.

Output

Print a single number – the result of Stofls calculation.

Limits

There are 4 batches of inputs worth 25 points each. In all inputs $0 \le op \le 2$ and $-10^9 \le a$, $b \le 10^9$.

- In the first batch op = 0 and $0 \le a, b$.
- In the second batch $op \le 1$.
- In the third batch $-10^4 \le a$, $b \le 10^4$.
- In the fourth batch, there are no further restrictions.

Examples