

Problem H. Plus or Minus

Time limit 1000 ms

Mem limit 262144 kB

You are given three integers a , b , and c such that **exactly one** of these two equations is true:

- $a + b = c$
- $a - b = c$

Output + if the first equation is true, and – otherwise.

Input

The first line contains a single integer t ($1 \leq t \leq 162$) — the number of test cases.

The description of each test case consists of three integers a, b, c ($1 \leq a, b \leq 9$, $-8 \leq c \leq 18$). The additional constraint on the input: it will be generated so that **exactly one** of the two equations will be true.

Output

For each test case, output either + or – on a new line, representing the correct equation.

Examples

Input	Output
11	+
1 2 3	-
3 2 1	-
2 9 -7	+
3 4 7	+
1 1 2	-
1 1 0	+
3 3 6	+
9 9 18	-
9 9 0	-
1 9 -8	+
1 9 10	

Note

In the first test case, $1 + 2 = 3$.

In the second test case, $3 - 2 = 1$.

In the third test case, $2 - 9 = -7$. Note that c can be negative.