Problem D. D

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 ($1 \le t \le 162$) — the number of test cases.

The description of each test case consists of three integers a, b, c ($1 \le a, b \le 9$, $-8 \le c \le 18$). 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.