

Problem C. C

Time limit 1000 ms

Mem limit 262144 kB

The classic programming language of Bitland is Bit++. This language is so peculiar and complicated.

The language is that peculiar as it has exactly one variable, called x . Also, there are two operations:

- Operation `++` increases the value of variable x by 1.
- Operation `--` decreases the value of variable x by 1.

A statement in language Bit++ is a sequence, consisting of exactly one operation and one variable x . The statement is written without spaces, that is, it can only contain characters `+`, `-`, `x`. Executing a statement means applying the operation it contains.

A programme in Bit++ is a sequence of statements, each of them needs to be executed. Executing a programme means executing all the statements it contains.

You're given a programme in language Bit++. The initial value of x is 0. Execute the programme and find its final value (the value of the variable when this programme is executed).

Input

The first line contains a single integer n ($1 \leq n \leq 150$) — the number of statements in the programme.

Next n lines contain a statement each. Each statement contains exactly one operation (`++` or `--`) and exactly one variable x (denoted as letter `x`). Thus, there are no empty statements. The operation and the variable can be written in any order.

Output

Print a single integer — the final value of x .

Examples

Input	Output
1 ++X	1

Input	Output
2 X++ --X	0