# Reverse Polish Notation

Reverse Polish notation is a mathematical notation in which every operator follows all of it's operands.

Implement a Reverse Polish Notation calculator, with the following operations:
$+, -, \times, \div$
$x$: binary operator equivalent to $n_1^2 + n_2$ (e.g. $5\ 2\ x = 27$)
$y$: unary operator equivalent to $2n + 1$ (e.g. $6\ y = 13$)
$z$: ternary operator equivalent to $n_1 + 2n_2 + 3n_3$ (e.g. $1\ 2\ 3\ z = 14$)

All operations should be done on integers

You should use the symbols `+ - * / x y z` for the operators.

**Input Format**

$T$
$t_0$
$t_1$
$t_2$
...
$t_{T-1}$

Where $T$ is the number of different reverse polish notation problems you need to solve, and $t_i$ is the $i$th problem

If the string is not parseable, or it leaves extra symbols, output NO

**Output Format**

$a_0$
$a_1$
...
$a_{T-1}$

**Sample Input**

```
2
3 4 - 5 +
3 6 /
```

**Sample Output**

```
4
0
```

**Explanation**

For the first one we do 3-4, getting the value of -1, then add 5, giving us the final value of 4.

For the second one we do 3/6, giving us 0.