Grammar

```
e := x, 0, e + e, e * e, ...
```

Interpreter

Validator

SMT / model check / fuzz

Ruler Framework



Rewrites

```
x + 0 = x
x * 1 = x
x - 0 = x
x / 1 = x
x + y = y + x
x + (y + z) = (x + y) + z
x * (y * z) = (x * y) * z
```