

$e^{i\pi} = -1$

3

(+ 3 3)

~~arde~~

3 + 3

3 3 +

3 . + (3)

(define-type

[num C

[plus C

[mult C

Arith C

(n)

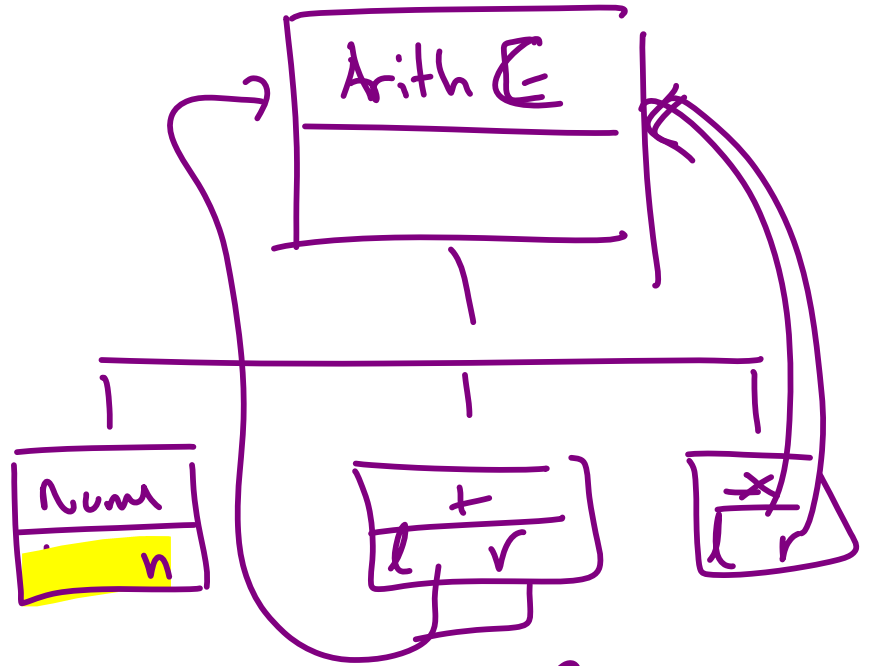
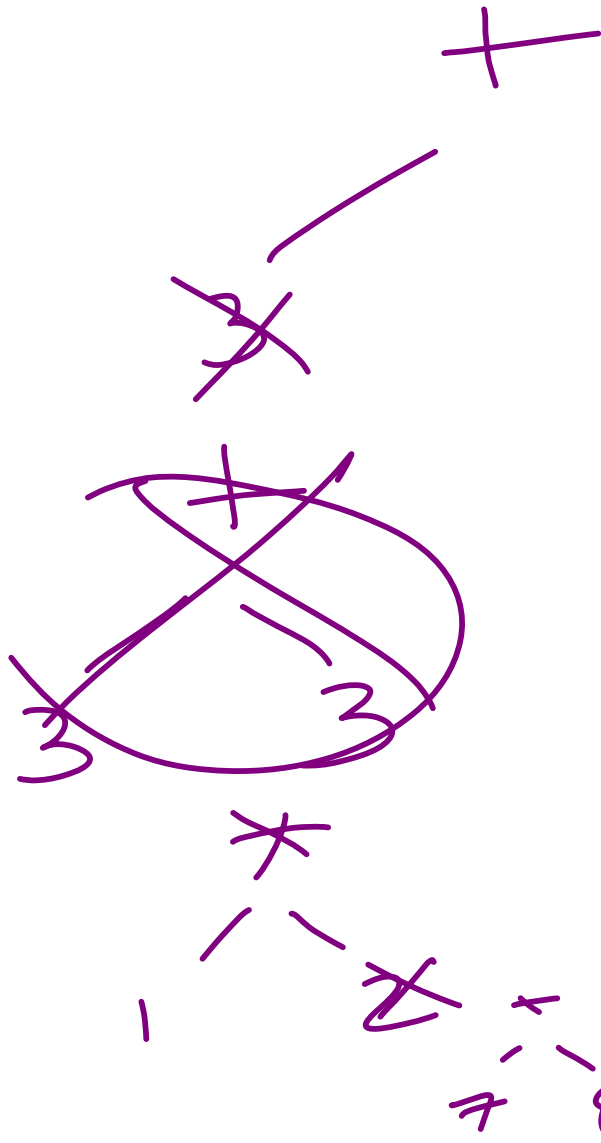
(l Arith C?)
(r Arith C?)

(l Arith C?)
(r Arith C?))

Numbers

+ 3 3

*



```

class Number {
    int - n;
    Number (int n) {
        - h = n;
    }
}

```

```
(define (interp e) ; Arith C → number
  (type-case Arith C e ; Arith S → Arith C
    [num C (n) n]
    [plus C (l r) (+ (interp l)
                      (interp r))]
    [mult C (l r) (* (interp l)
                     (interp r))]))
```

$$a \quad 1 + 2 \quad 3$$

$$b \quad 1 + 2$$

$$c \quad '1' + '2' \quad '12'$$

$$d \quad '1' + '2' \quad '3'$$