

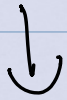
Go over Lab04

Deltas between Project02 and Lab04

Negatives

-w

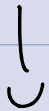
text  $\rightarrow$  "1+2" "(1-2)\*3"



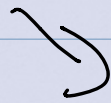
tokens  $\rightarrow$  TK\_INTEGER("1") TK\_PLUS("+")



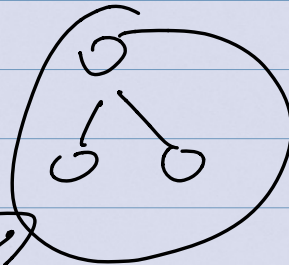
parse-tree  $\rightarrow$



eval



result



"1010"

$$1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 0 \times 2^0$$

"1010"



"1010"

$$V = \frac{1}{2} \times 2^0 + 0 \times 2^1 + 1 \times 2^2 + 0 \times 2^3$$

$$V = V \ll 1$$

$$V = 10$$

$$V = V \ll 1$$

$$V = 100 + 1 = 101$$

base

$$V = V \times 2$$

$$V = 10$$

$$V = V \times 2$$

$$V = 100 + 1 = 101$$

Endian

int x = 0xFFAA3311

char c = '1'

