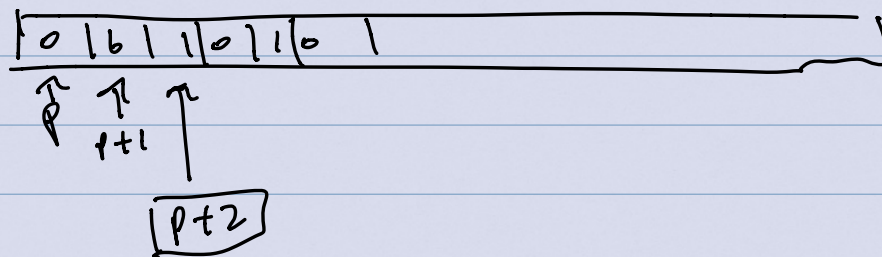


Go over Lab04

Deltas between Lab04 and Project02

Negative numbers

-w width



0 1 0 2 3 0 1

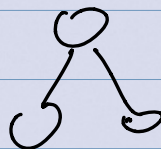
text \rightarrow "1+2" " (1-2)*3 "



tokens \rightarrow TK_INTLIT("1") TK_PLUS("+")...



parse tree \rightarrow



$\sqrt{"1010"} \rightarrow \text{uint32_t } \sqrt{V};$
 \downarrow 8 bits \uparrow 32 bit value
4 bytes

"10101111...0011"

32 chars

8 bits \times 32

1 byte \times 32

32 bytes

\downarrow
 32 bits
 4 bytes

\downarrow
 "1010"
 \uparrow

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

\uparrow

1010

$$V = 1$$

$$1 < 1$$

10
 02 1 0
 10

$$V = 1$$

base

$$V = V * 2$$

$$V = 2$$

$$==$$

0610

↑

uint32_t

32 bits

"0610061111"

↑

1 char

1 byte

48 98 49 48 48 - - -

char c;

↑

8 bits

uint32_t

↑

32 bits