(5631-02 Parsing Binny Two's Comp Labor due tonight Projector out today Parsing LL LR * Speal * left recursion GLR PEG Left recursion `A' P :: = P 'A' FOT 'AA' 'AAA'

$$Parse_P()$$

$$parse_P()$$

$$qecent(EoT)$$

$$Y = foo;$$

$$X = foo(1);$$

$$-1$$

TK_IDENT(x) TK_ASSIGN TK_IDENT TK_LPALGU

LL (*)

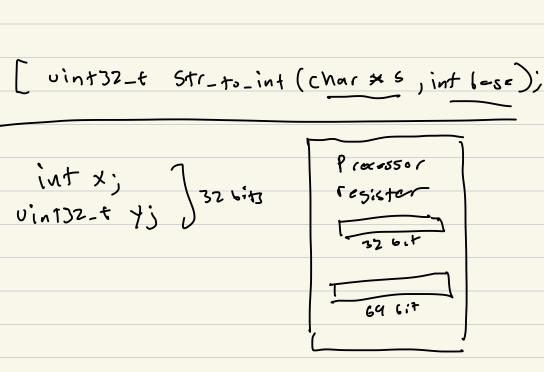
TK. INTLIT TK_PLAZEN TK_SC

LL(1)

LL(2)

LL (K)

Conversions atoi() strto (C) printe ("0/0x") x); CONV. C Vin+32-6 binstr_to_int (char Ks) intstr_to_int (char xs) Jin+32-+ Mexstr-to-int (Charxs) Vint 32 -+



06/11011

$$2^{\circ} = 1$$
 $2^{\circ} = 16$ $2^{\frac{8}{5}} = 256$ $2^{\circ} = 2512$

$$2^{1}=2$$
 $2^{3}=32$ $2^{4}=512$ $2^{2}=4$ $2^{2}=4$ $2^{2}=2048$ $2^{3}=8$ $2^{3}=2048$

$$2^{10} = 1 \times 18$$
 $2^{20} = 1 \times 18$ $2^{30} = 1 \times 18$ $2^{30} = 1 \times 18$ $2^{30} = 1 \times 18$

Twos Complement (nvert (x)+1 010 (2) 161 $\begin{array}{c|cccc}
 & 0 & 1 & 1 \\
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 & & & & & \\
\hline$ Generally n bit value in two conp $(-2^{(n-1)})$ to $(2^{(n-1)}-1)$ #include <stdint> Uin+32_+

Finclude < Stdint>

Uint32-t

Uint8-E

TK-BINLIT

TK-BINLIT

Vint32-f J-lue.

Utlang - 6 base - w width 31 -6 10 -62 061010 OKA3 - 6 16 -64 (4 6:43) ntlang -b 16 -w4 0xA3 0 火3 (1+(2+3)) 16 87 16 15 31

Birwise Operators

N not | invert in Oblool = Obollo

A and Obloo | or Obloo

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LL left shift

Shifs

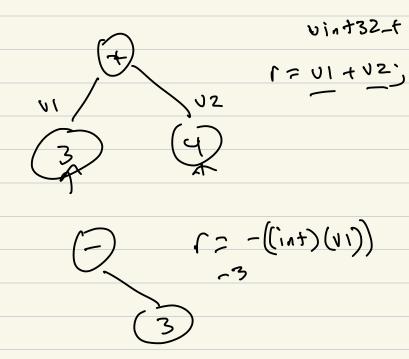
X ZZZ LSC logical shift left unsum: X >>> 2 LSR logical Shift right singual X >>> 2 ASP arithmetic shift is inf NT la 04

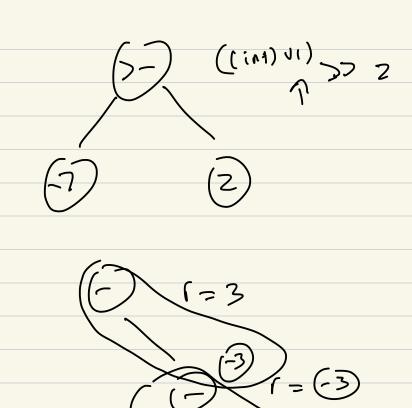
LC LSL

>> LSR

>- ASR

vint32-+ value





~ ~ ~ ~ X

-- X