

cgdb

Lab03

eval

Lab04

Bitwise operators

061101

TK_BINLIT

value

conv_intstr_to_uint32()

061101

atoi()

conv_binstr_to_uint32()

int intval

=>

uint32_t

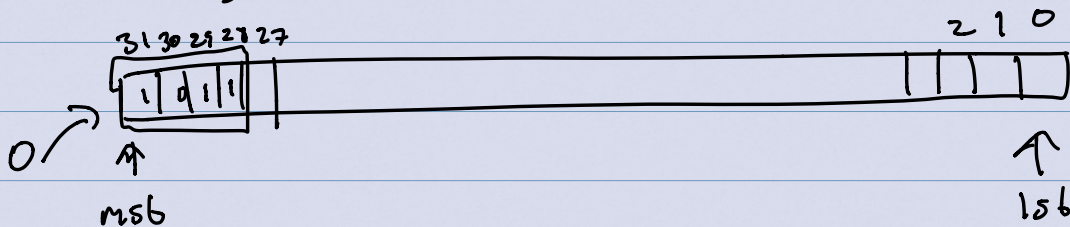


32 bit

unsigned int

int x;

x = 19;



int top4 = x >> 28

NOT

AND

OR

Not

LSL

LSR

ASR

logical
shift
left

logical
shift
right

Arithmetic
shift
right

a	b	a & b
0	0	0
1	0	0
0	1	0
1	1	1

a	b	$a \vee b$
0	0	0
1	0	1
0	1	1
1	1	1

$$a \& b = ?$$

$$a = 01101$$

$$b = 0.61100$$

$$\Delta \quad \overline{1100}$$