

Project03 grades \rightarrow need Project03 for Project04
Lab07

cmp

b/bl

beq/bne/blt

b foo
↑
label

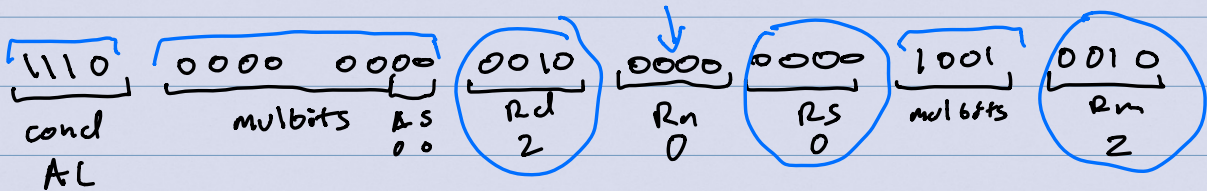
lsl, lsr

mvn

ldr r2, [r0] \rightarrow ldr r2, [r0, #0]
↑

mul

E0020092



mul $\frac{r2}{rd}, \frac{r2}{rm}, \frac{r0}{rs}$

ldr r2, [r0]
str r0, [r1]

ldr r2, [r0, #4]

E590 2000

1110 0101 1001 0000

E790 2000

1110 0101 1001 0000
↑
↑

mov r2, #1
↑
dp1i inst

add r0, r1, r2
dp3 inst

add r0, r1, #2
dp2i inst

cmp r0, r1 Rd=0
↑ ↑
Rn Rm S=1

dpcmp2 dpcmpi

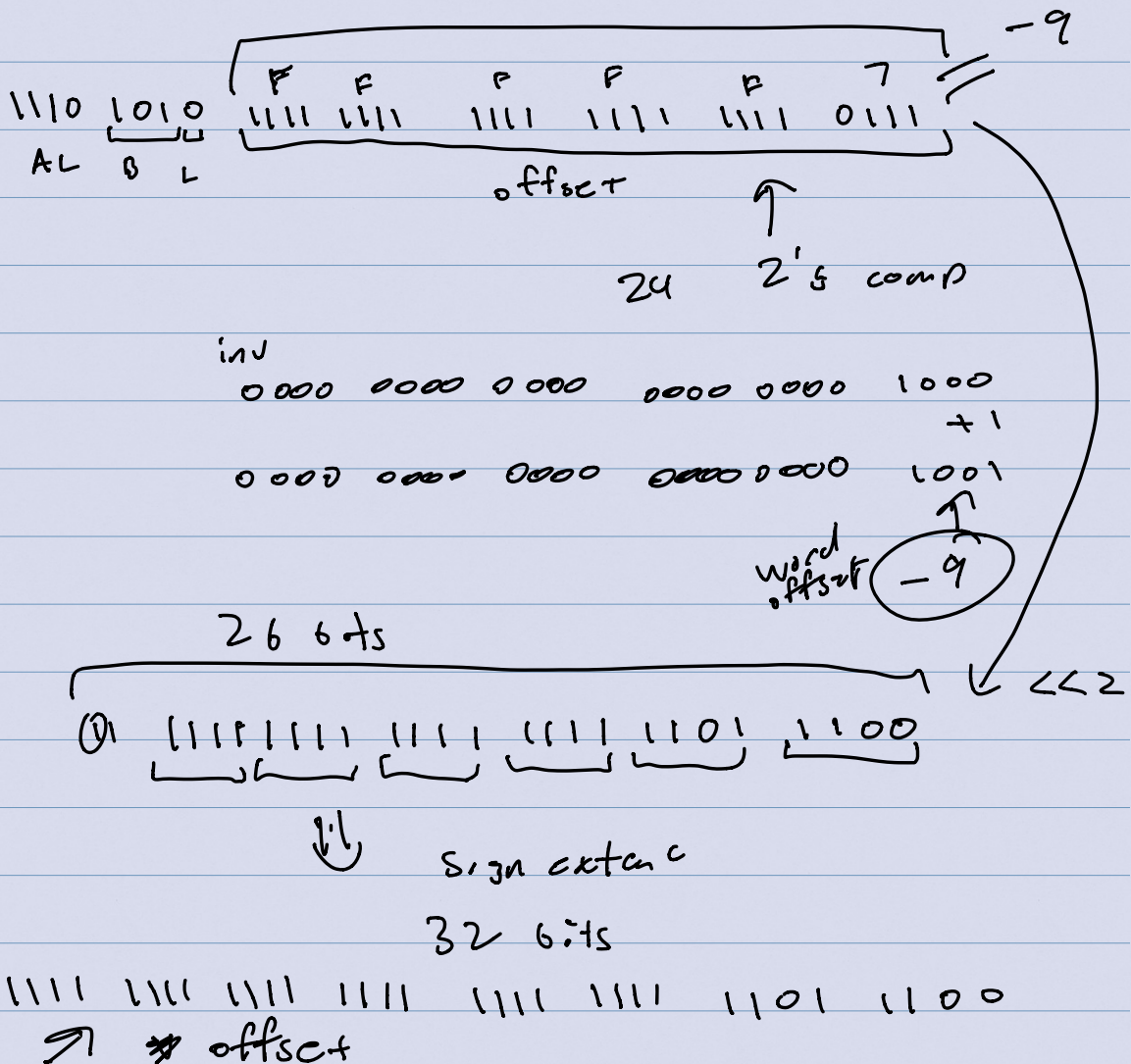
struct { int rn; int rm; } dpcmp2;

^{comp}
 lsl r0, r1, #2
 lsr r0, r1, #1 to divide by 2
mvn →
 mov r0, #-2 ⇒ mvn r0, #1

Branch Format

b find-max-loop

E A F F F F F 7



$$(PC + 8) + \text{offset} = \text{target address}$$

-36 byte offset

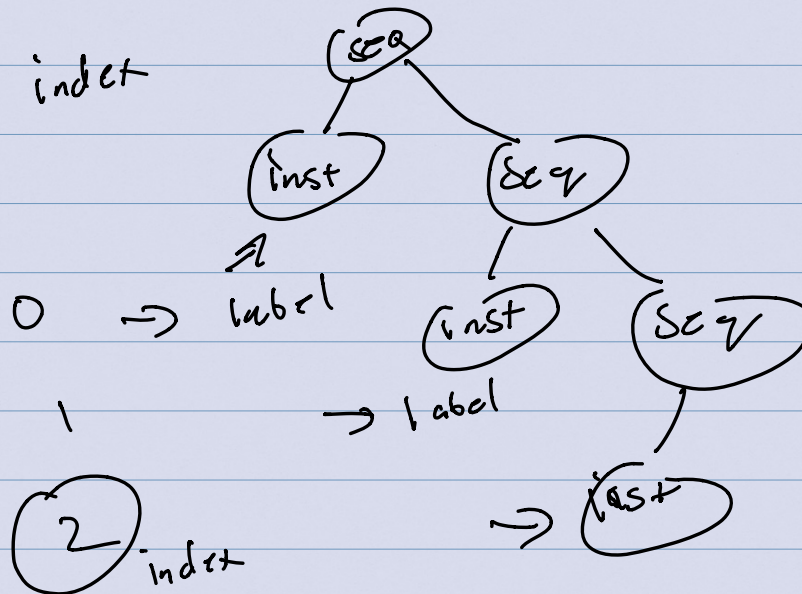
offset ←

24 bits?

6 label

struct { char label[SCAN_TOKEN_LEN]; } b;

parse tree



global