

add r0, r1, r2

$r0 = r1 + r2$

sub r1, r0, r1

$r1 = r0 - r1$

ldr r2, [r1]

$r2 = \text{mem}[r1]$

sub r0, r2, r1

$r0 = r2 - r1$

cmp r0, r3

compare r0 and r3