

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