Raj Patel

add $t0, $s1, $s2

O	17	18	8	O	20hex
000000	10001	10010	01000	00000	100000

2^4 2^0 2^4 2^1 2^3 2^5

   O   2   3   2   4   O   2   O

0x02324020 hex

addi $t0, $t0, -64

$(64)_{10} = (1000000)_2 = (2^6)_{10}$

2's complement

00000000001000000

↳ 11111111110111111
                +1

$(-64)_{10} = (11111111111000000)_2$

8hex	8	8	-64
001000	01000	01000	1111111111000000

   2^3 2^3 2^3

   2   1   O   8   F   F   C   O

0x2108ffC0 hex

lw $t1, 8($s3)

23hex	19	9	8
100011	10011	01001	0000000000001000

2^5 2^1 2^0 2^4 2^1 2^0 2^3 2^0 2^3

   8   E   6   9   O   O   O   8

0x8E690008 hex