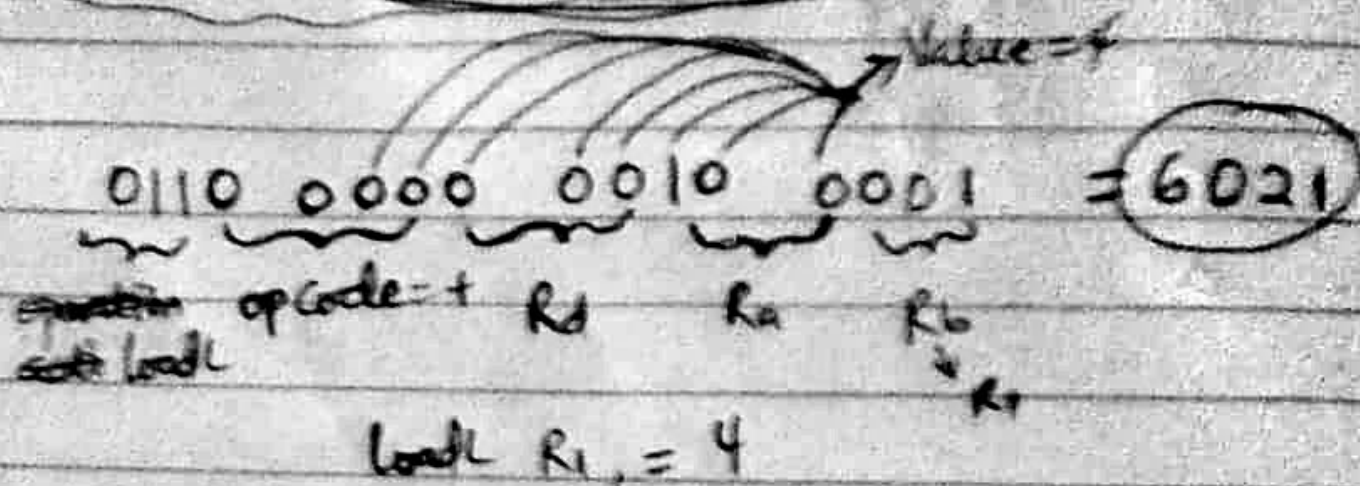
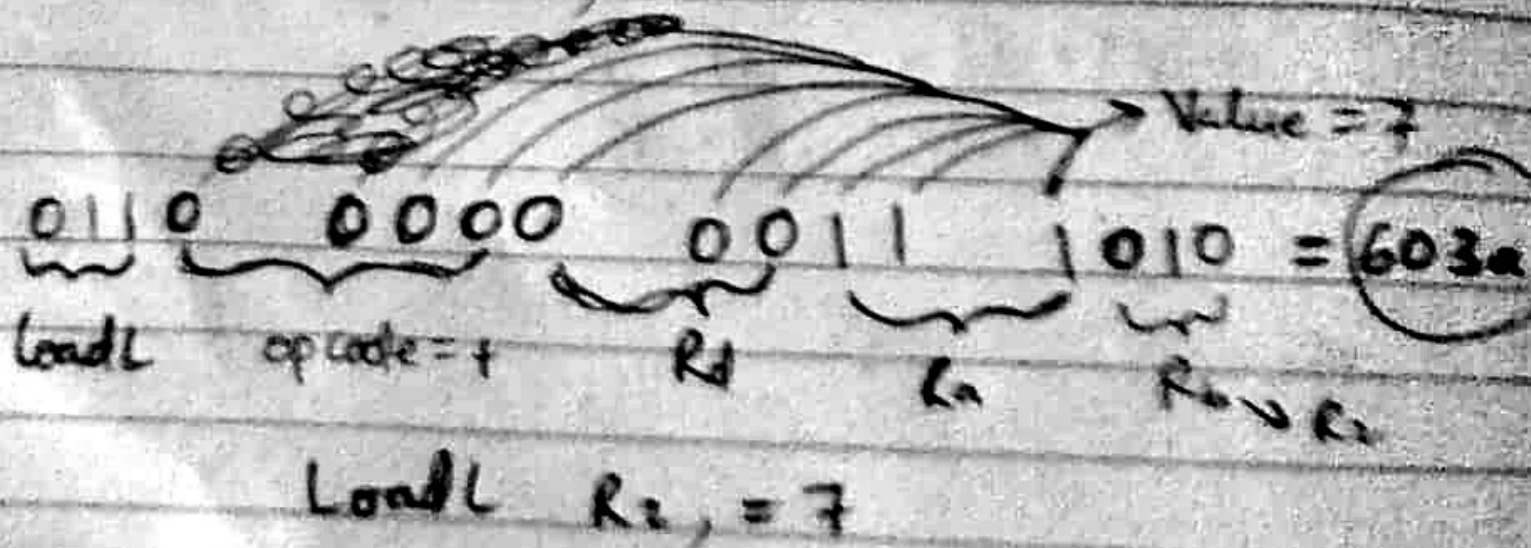


$$4 + 7 + 9 + 1 = 21$$

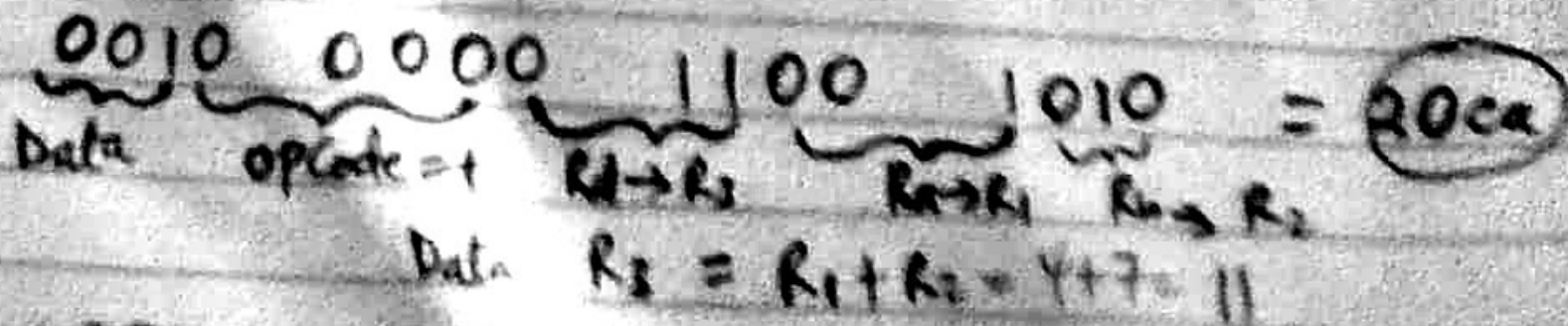
①



②



③



$$\underbrace{4+7+9}_{R_3} + 1 = 21$$

$$\underbrace{16+2+21}_{R_3}$$

Note: IMB 2 bytes

④ 6 0 4 0C
 0110 0000 0100 1100 = 604C
 Load R4, = 9

⑤ 0010 0000 0101 1100 = 215C
 Data R5, = R3 + R4 (ie: 4+7+9 = 20)
 ↓ ↓ ↓
 R3 R4 R5

(ie: 10)

⑥ 0110 0000 0000 1110 = 600E
 Load R6, = 1

⑦ 0010 0001 1110 1110 = 21EE
 Data R7 = R5 + R6 (ie: 4+7+9+1 = 21)

⑧ 1000 0000 0100 0111 = ~~8047~~ 8047
 Store MB, = R7 (ie: m7 = 21)
 Address = 8

$$11 + 12 = 23$$

9 $0110\ 0000\ 0101\ 1000 = 6058$
Load $R0, = 11$

10 $0110\ 0000\ 0110\ 0001 = 6061$
Load $R1, = 12$

11 $0010\ 0000\ 1100\ 0001 = 20C1$
Data $R3, = R0 + R1$ (ie: $11 + 12 = 23$)

12 $1000\ 0000\ 0101\ 0011 = 8053$
Store $M_{10}, = R3$ (ie: $M_{10} = 23$)

13 $M_8(21) + M_{10}(23) = M_{12}(44)$
 $0100\ 0000\ 0100\ 0100 = 4044$
Load $R4, M_8$ (ie: $R4 = 21$)

14 $0100\ 0000\ 0101\ 0101 = 4055$
Load $R5, M_{10}$ (ie: $R5 = 23$)

15 $0010\ 0000\ 1010\ 0101 = 21A5$
Data $R6 = R4 + R5$ (ie: $21 + 23 = 44$)

$$\textcircled{16} \quad 1000 \quad 0000 \quad 0110 \quad 0110 = \textcircled{8066}$$

Store $M_{12} = F6 \quad (16: M_{12} = 44)$