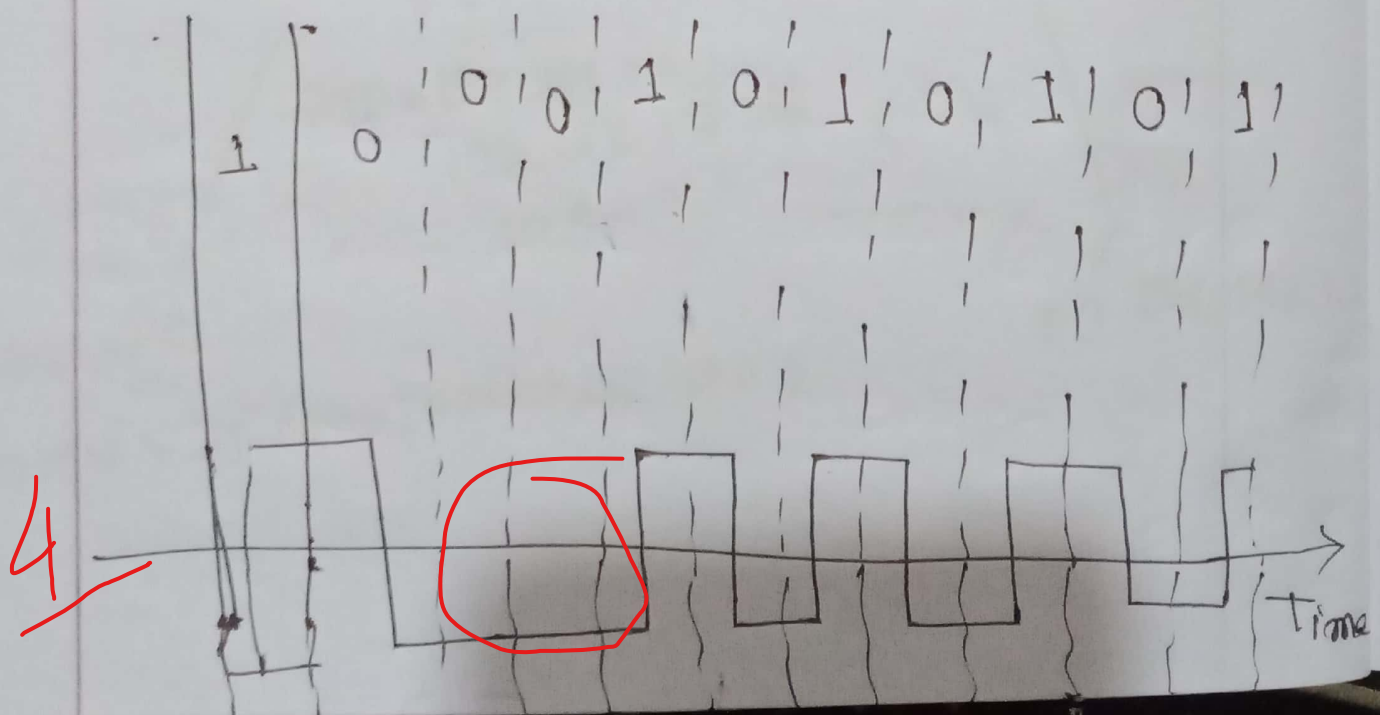## Ans to the : Q.no.1

My ID - 43 and not divisible by 3.

Now, my ~~bit~~ birthday is, 11-09-1998. ~~If~~ First 4 digits
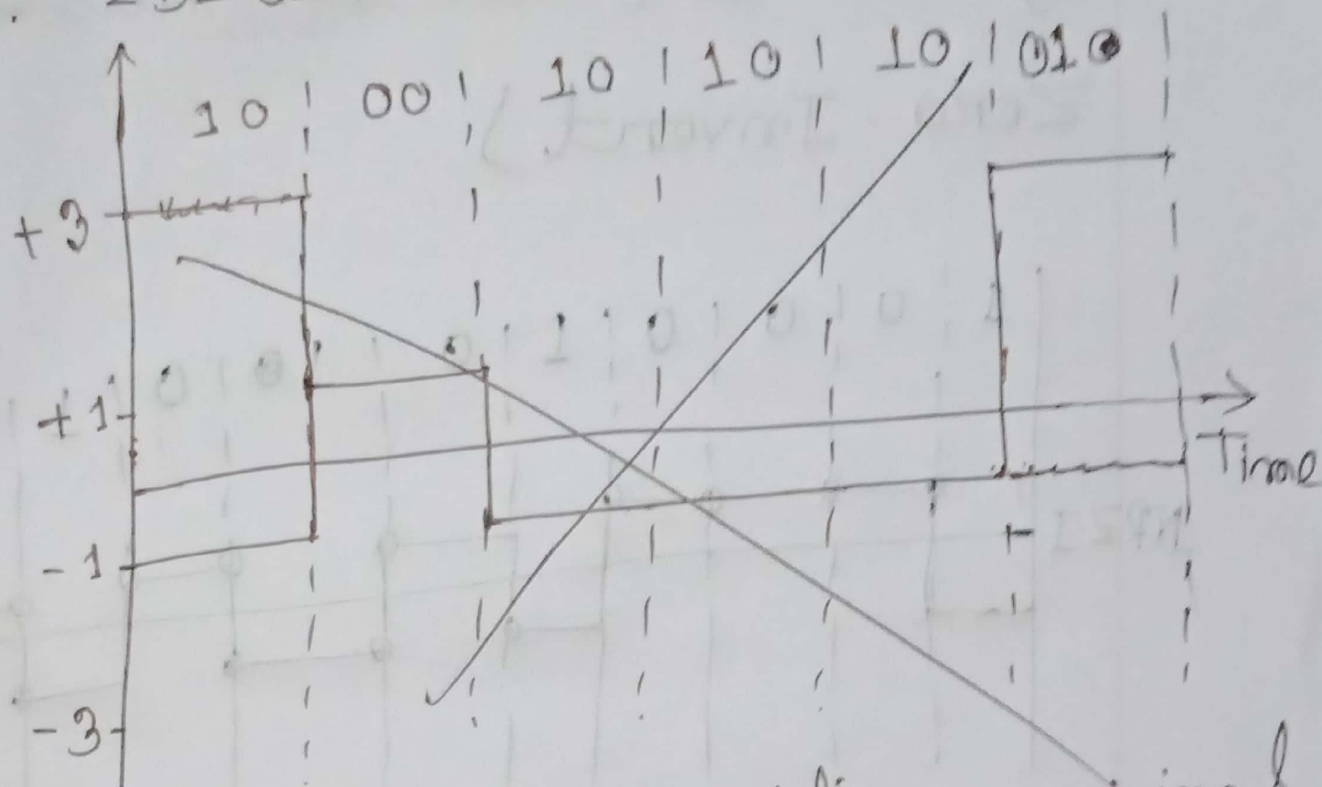
$\rightarrow (1109)_{10} = 1000101010 1$
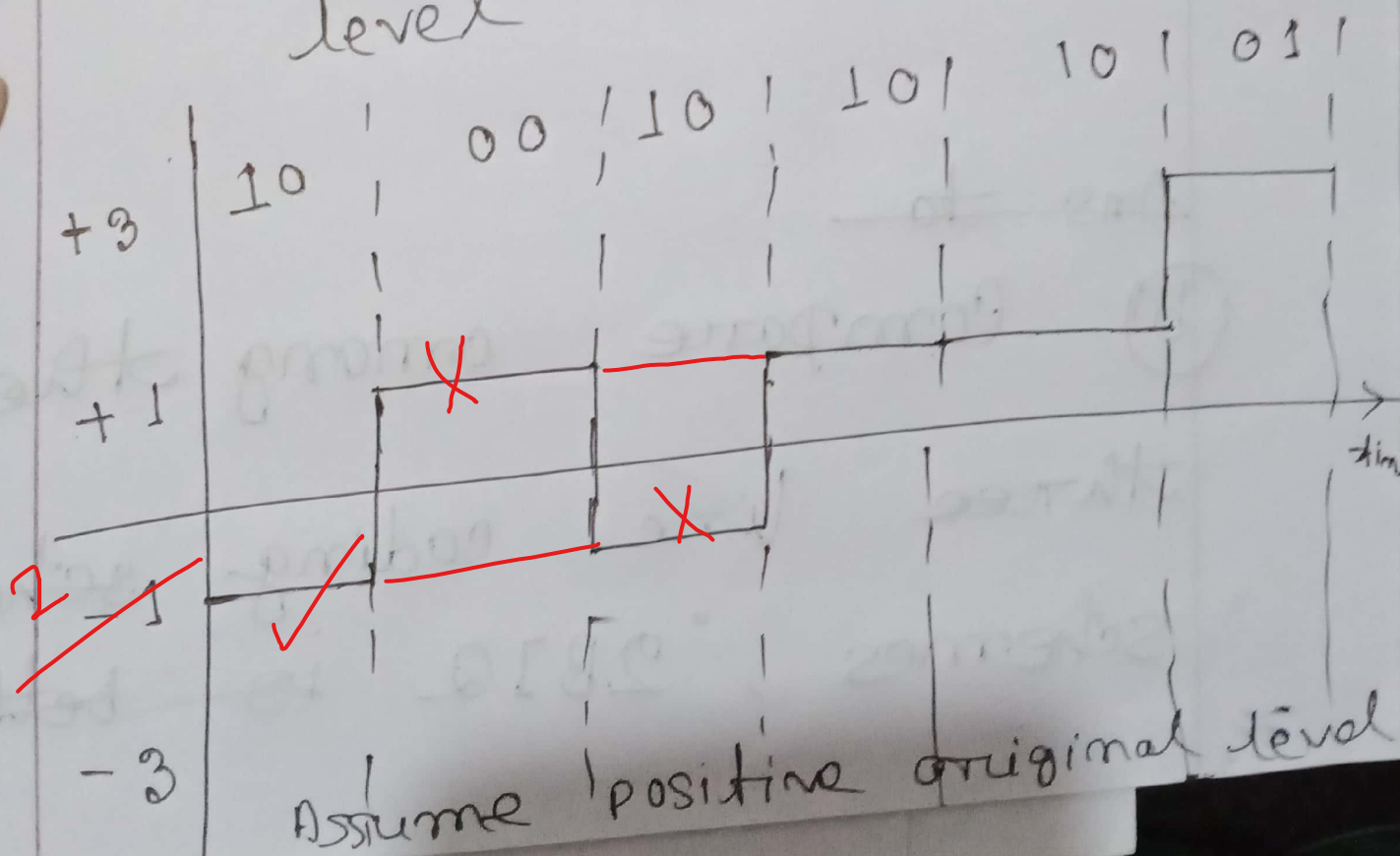
a. <u>Manchester :</u>
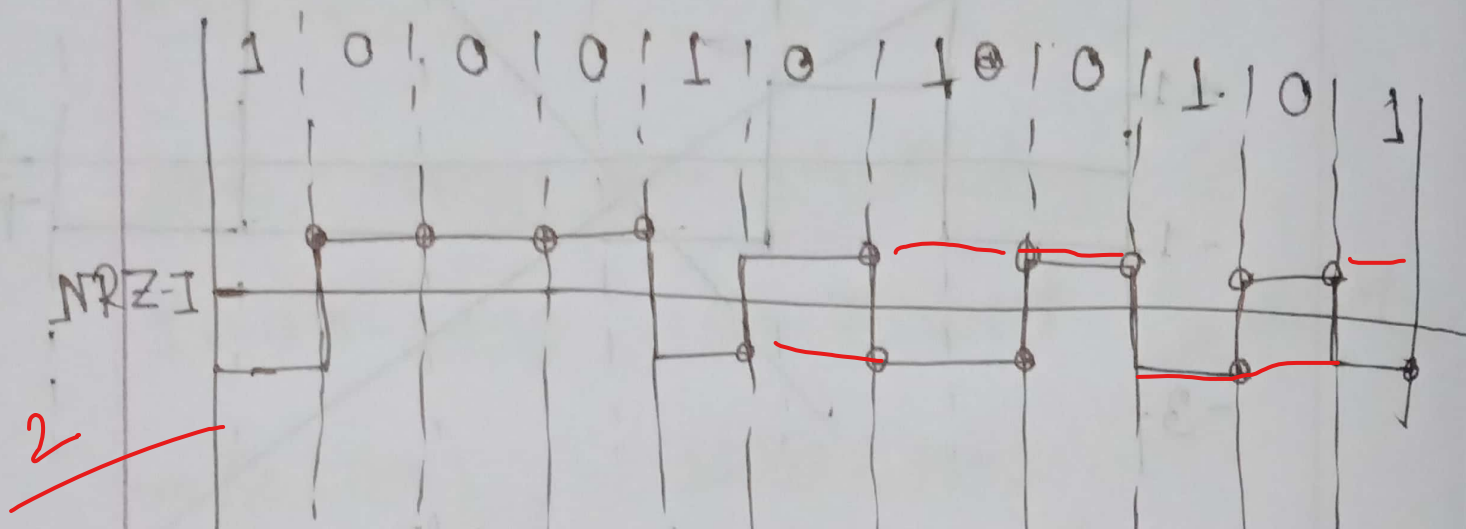
b. 2B1Q

| 10 | 00 | 10 | 10 | 10 | 01● |

Assume + positive original level

Assume positive original level

| 10 | 00 | 10 | 10 | 10 | 01 |

C] NRZ-I (Non Returin to
Zero - Invert)

1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1

NRZ-I

2

- No inversion: Next bit is 0

Ans to

(b) Compare among the
three line coding scheme
schemes , 2B1Q is better

Seems better to me. It is easy to & implement.