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①

Ans to the Ques: NO-01-(a)

My birthday $\rightarrow 02/09/1998$

It's first 4 digits are 0209.209

$$2 \overline{) 209}$$

$$2 \overline{) 104} - 1$$

$$2 \overline{) 52} - 0$$

$$2 \overline{) 26} - 0$$

$$2 \overline{) 13} - 0$$

$$2 \overline{) 6} - 1$$

$$2 \overline{) 3} - 0$$

$$2 \overline{) 1} - 1$$

$$0 - 1$$

$$\therefore (209)_{10} = \underline{(11010001)_2}$$



My ID = 45, is divisible by 3.

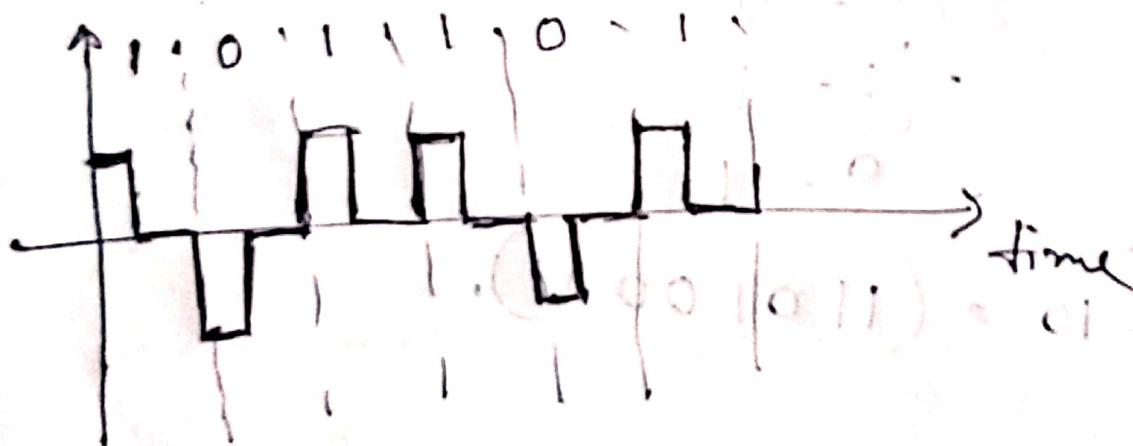
a) RZ

~~My ID is 45, 18, 10, 10, 45~~

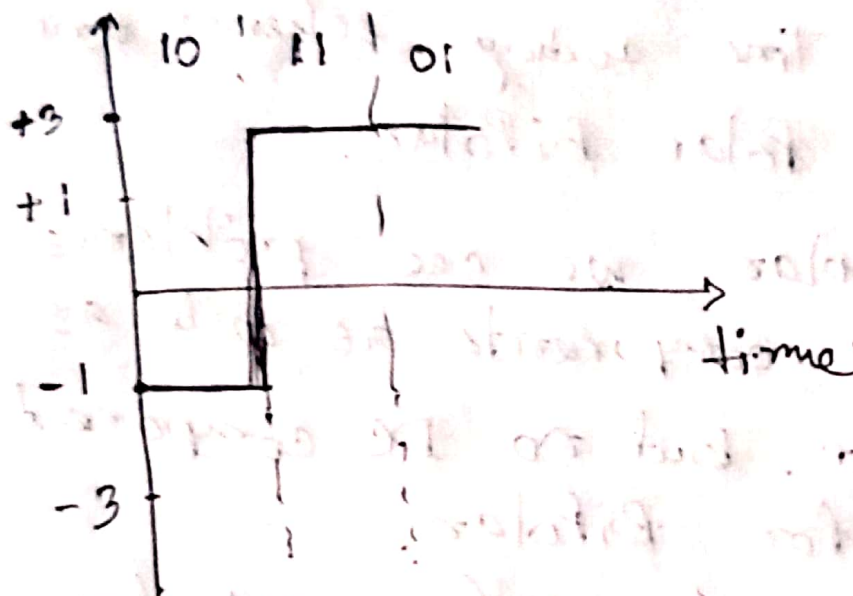
My ID = 45, is divisible by 3.

~~$(45)_{10} = (101101)_2$~~

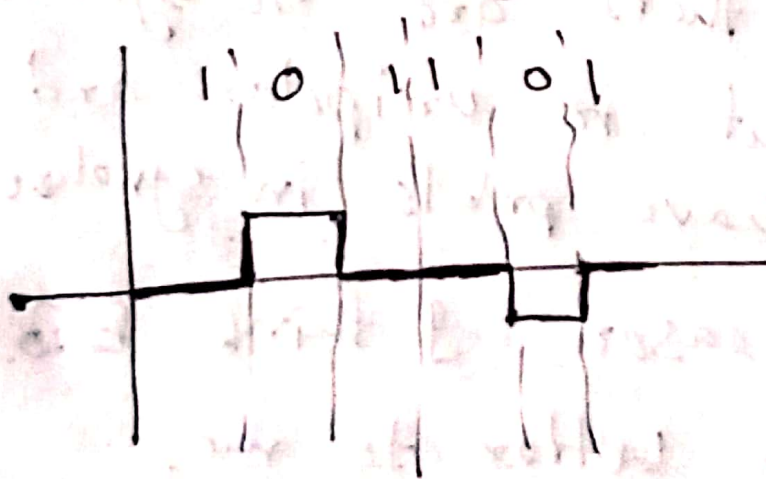
a) RZ



b) 2B1Q



c) Pseudoternary



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The three line coding schemes are Unipolar, Polar, BiPolar.

In Unipolar we see problems for DC components as well as for Polar. But no DC component problem for BiPolar.

Also there is differences for Unipolar, Polar and BiPolar. Where in BiPolar there are no synchronization problem but in unipolar and polar they have probs in synchronizing. For these reason, I think BiPolar seems better to me.

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