

Name: Muhammad Bin Mujib
ID: 18101017

6

(1)

(a)

My birthday is 23/09/1999

$$(2309)_{10} = \underline{1001} \underline{0000} \underline{0101} \quad \text{not divisible by 3}$$

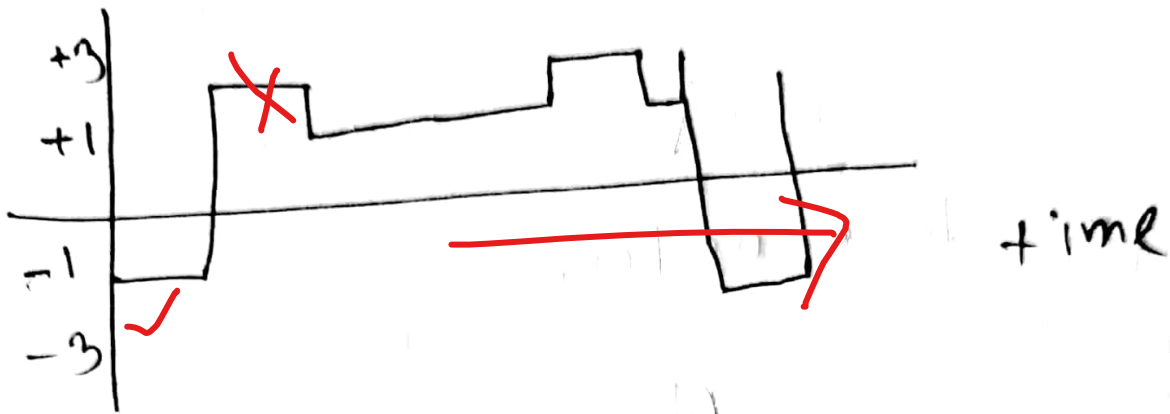
(b)

2B1Q

here $m=2$ $n=1$ $Q=4$

Next bit	positive level	Negative level
10	01 -1	01 +1
01	+3	-3
00	+1	-1
00	+1	-1
00	+1	-1
01	+3	-3
01	+3	-3

Transition table



NRTZ-1 - the change on

lack of change in polarity determines
a "1" symbol inverts the polarity
a 0 does not



~~Bo~~ NR 2-1

