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CT#

Ans To The Q No: 1

My ID is even. So I'll use B8ZS technique.

Given,

11 10 00 000000 11 0000 000000

We replace consecutive eight 0s with 000V B0VB

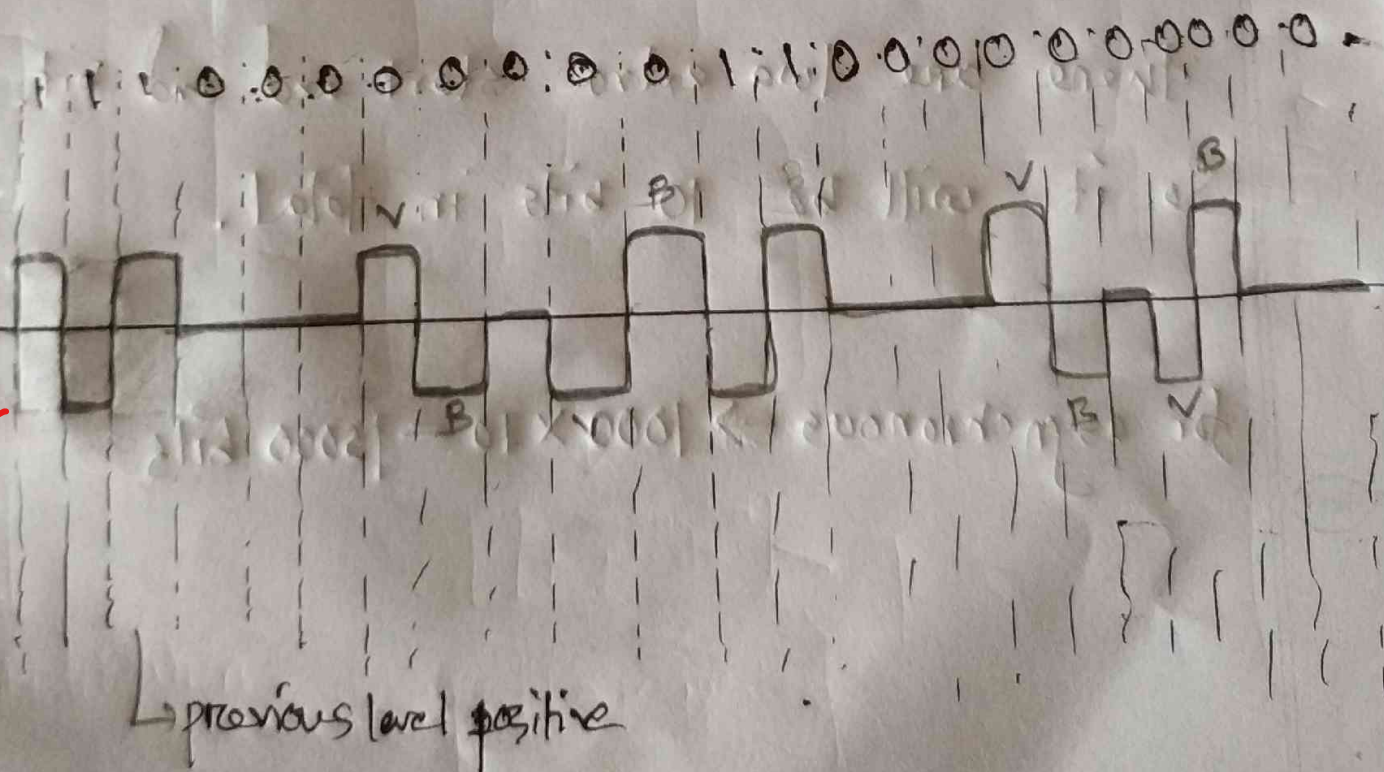


fig: B8ZS.

Ans To Que Q NO: 2

we have to transmit 1000 characters encoded as 8 bits.

① We know, for synchronous transmission

the bit stream are combined into frames as it goes by 8 bits.

for synchronous  $\rightarrow 1000 \times 8 = 8000$  bits.

② We know, for asynchronous transmission

there are two extra start and end bit. So it will be 10 bits in total.

for asynchronous  $\rightarrow 1000 \times 10 = 10000$  bits



