ID: 18101025

Ans to Question-1

H DB3
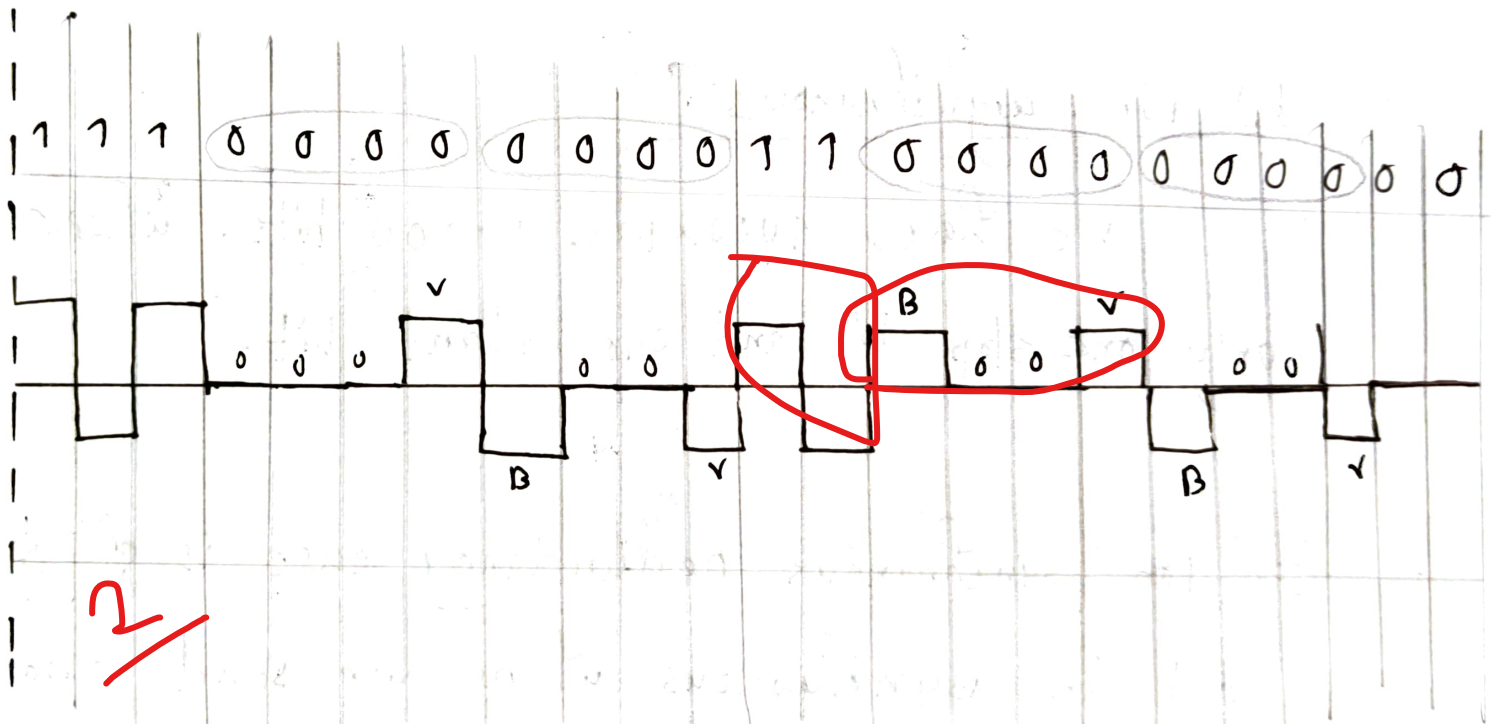
Ans to question ②

We want transmit 1000 character

(a) For synchronous:

We have, $1000 \times 8 = 8000$ bits.

(b) For asynchronous

we have, $1000 \times 10 = 10000$ bits. where only one stop bit and one start bit.

(c) For synchronous redundancy case is 0%
and for asynchronous where we send more 2000 bits than synchronous so here the redundancy rate is 25%.

8/