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ID: 17201072

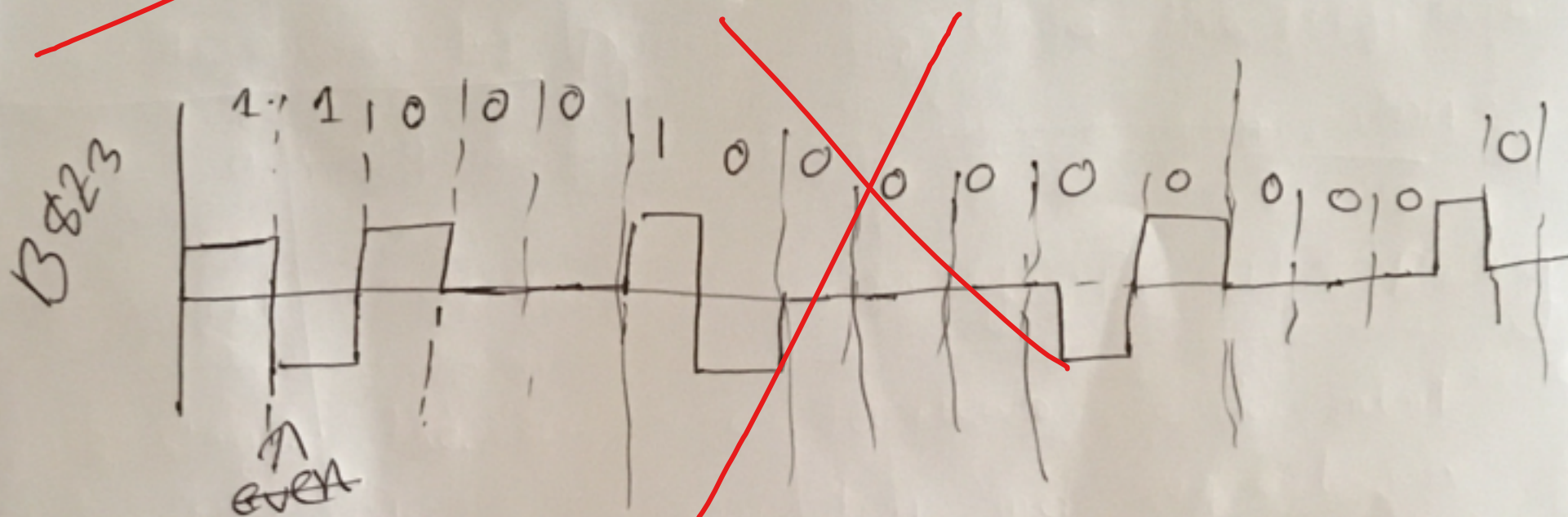
Ans: to the Q: No: 03

Here my id is 17201072. So it is even. So

I use B823

Given that element:

1100001000000000



Ans: to the Q: No:

a) ~~Manchester  $\Rightarrow N = 1 \times B = 1 \times 1 \text{ MHz} = 1 \text{ Mbps}$~~

b)

p.f. 0



a) For synchronous transmission, we have  
 $1000 \times 8 = 8000$  bits.

b) For asynchronous transmission, we have  
 $1000 \times 10 = 10000$  bits.

c) For case a, the redundancy is 0% For  
case, b, we send 2000 extra for 8000  
required bits. The redundancy 25%.

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