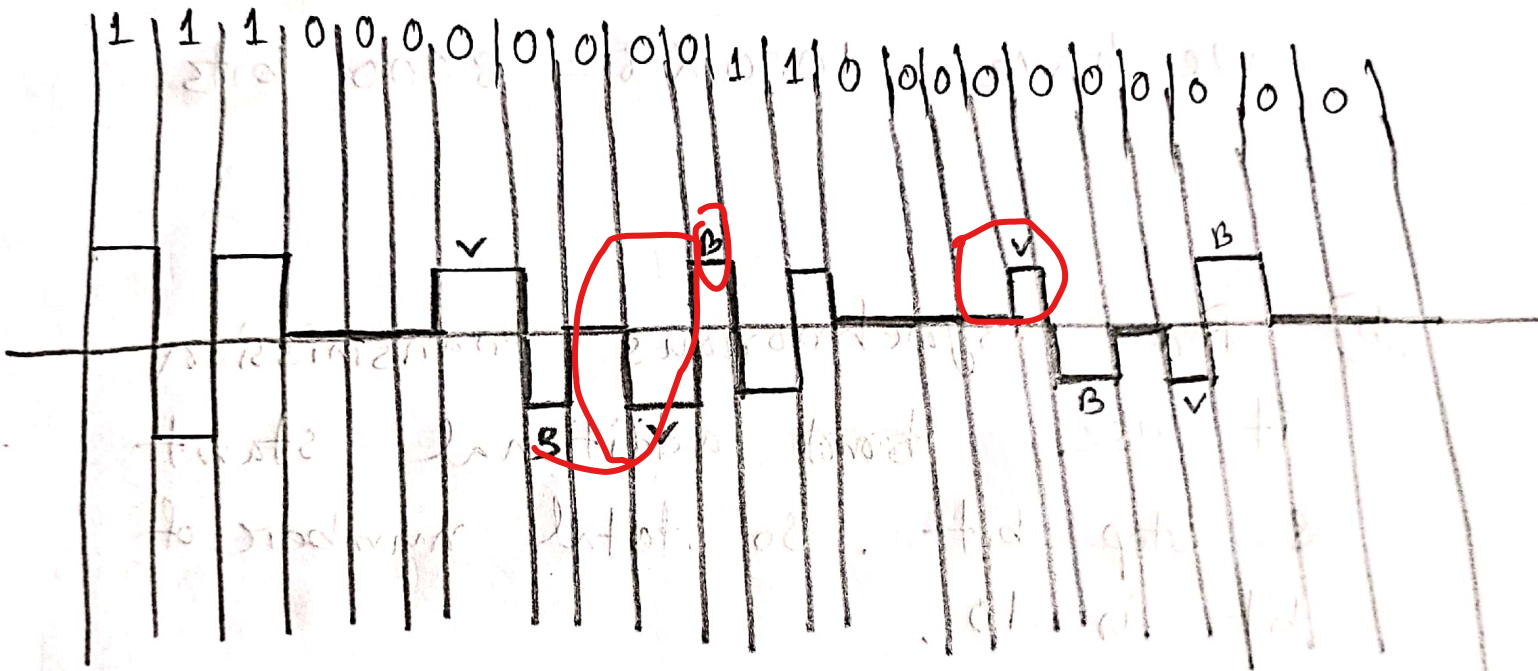


Ans to the ques no-1

1110000 0000110000000000

B8 ZS°



1: 00001 = 01 x 0001

## Ans to the ques no-2

a) The num of transmitted bits for synchronous transmission is :

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

b) for asynchronous transmission it use ~~start~~ additional start & stop bit. So, total numbers of bit is 10,

So,  $1000 \times 10 = 10000$  bits.

c) for synchronous transmission redundancy percentage is 0.

But for asynchronous we are sending more 2000 bits than



than synchronous transmission. So,  
here redundancy percentage is  
25%. So, ~~the~~ redundancy percentage  
is greater in asynchronous  
transmission, which is 25%.

Q