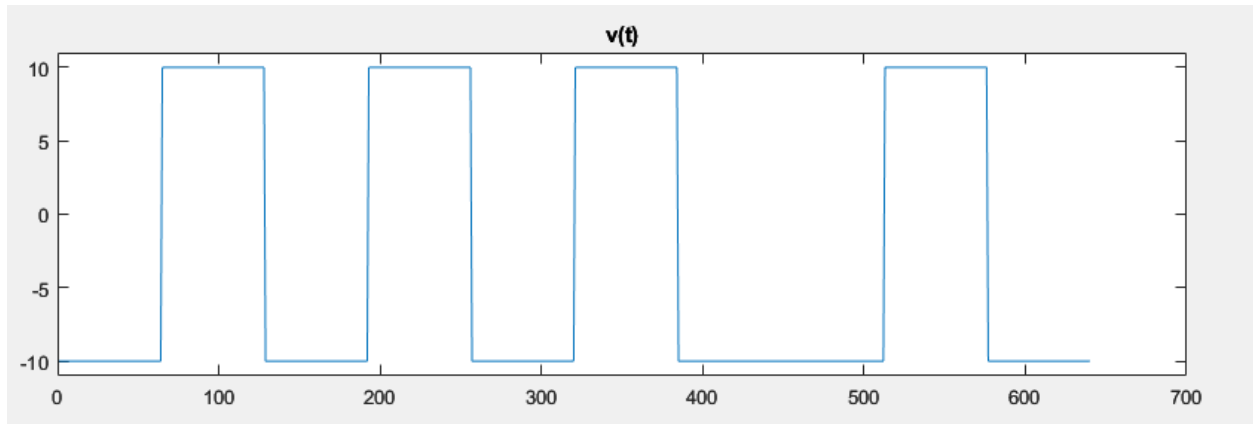


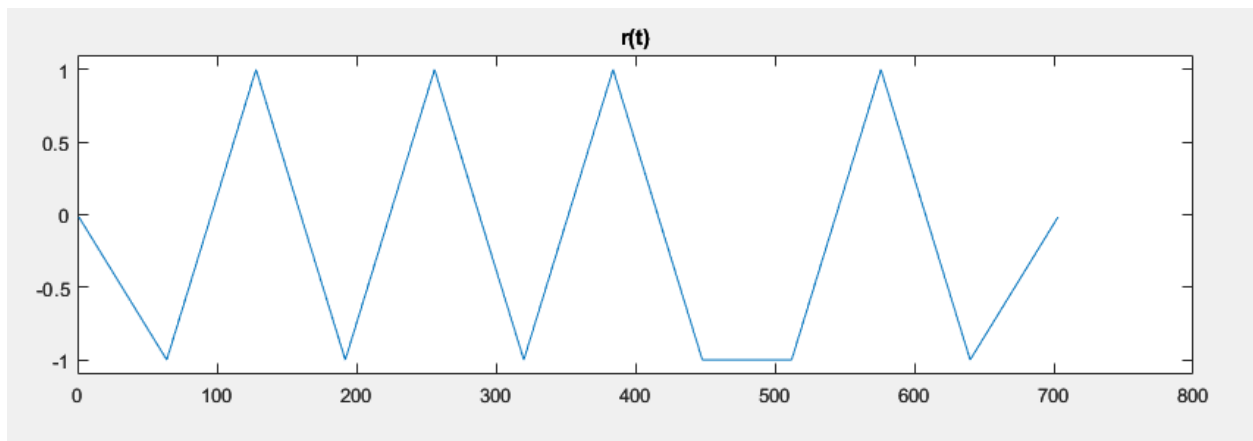
Lab 1

Q1: XOR (a , ah) is doing a bitwise XOR between a and ah , so if ah is same as a then 0, not same yells 1, sum all 1s = sum all different sends and receives = sum all errors.

Q2.

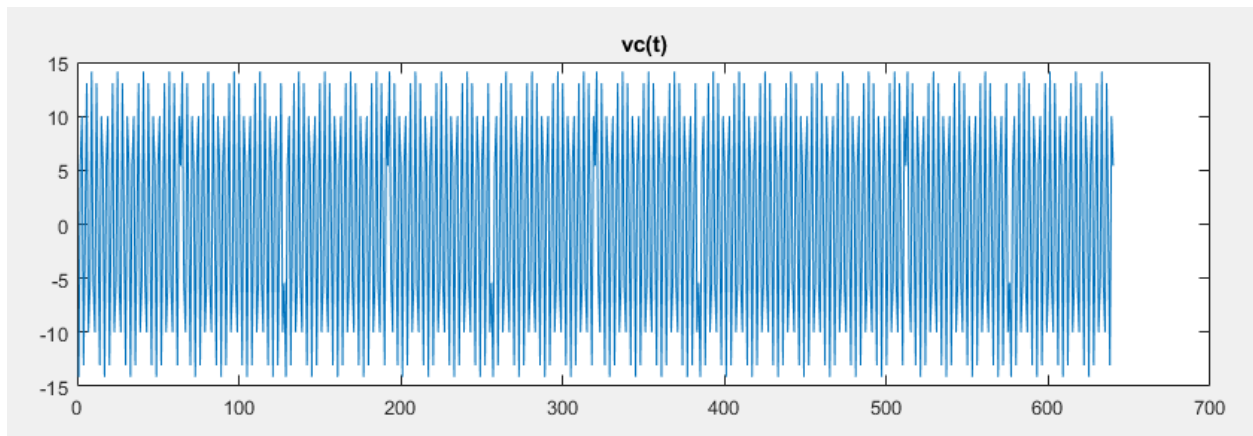


Q3.

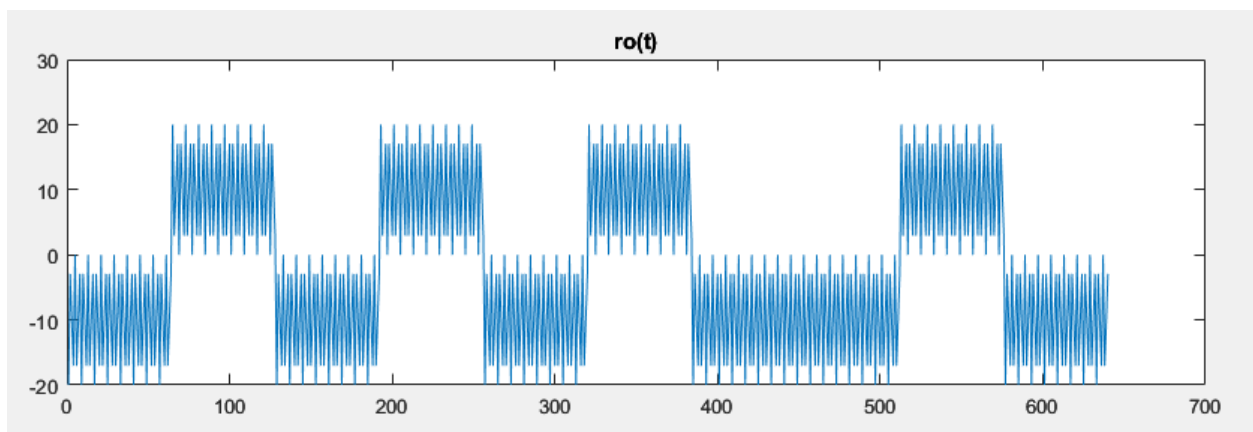


Q4. Identical.

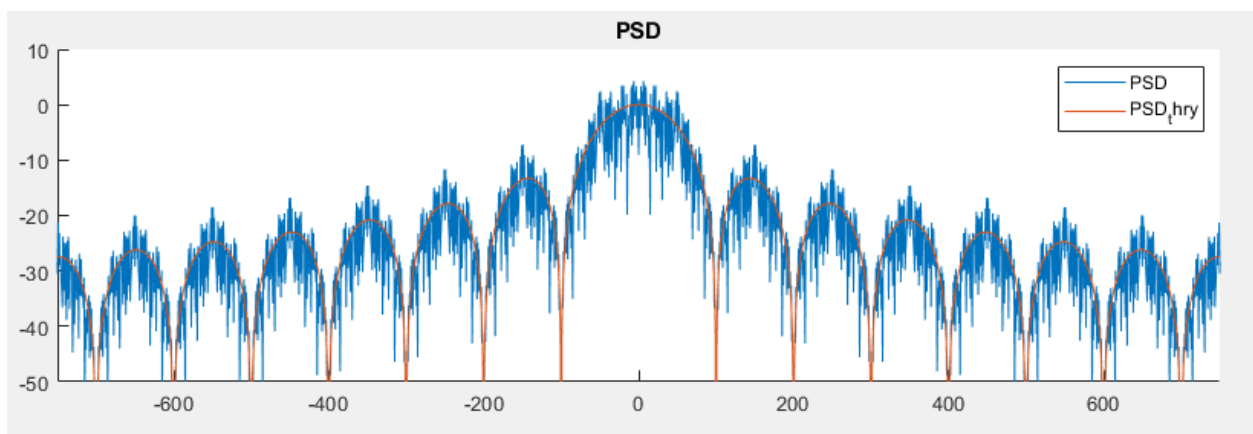
Q5.



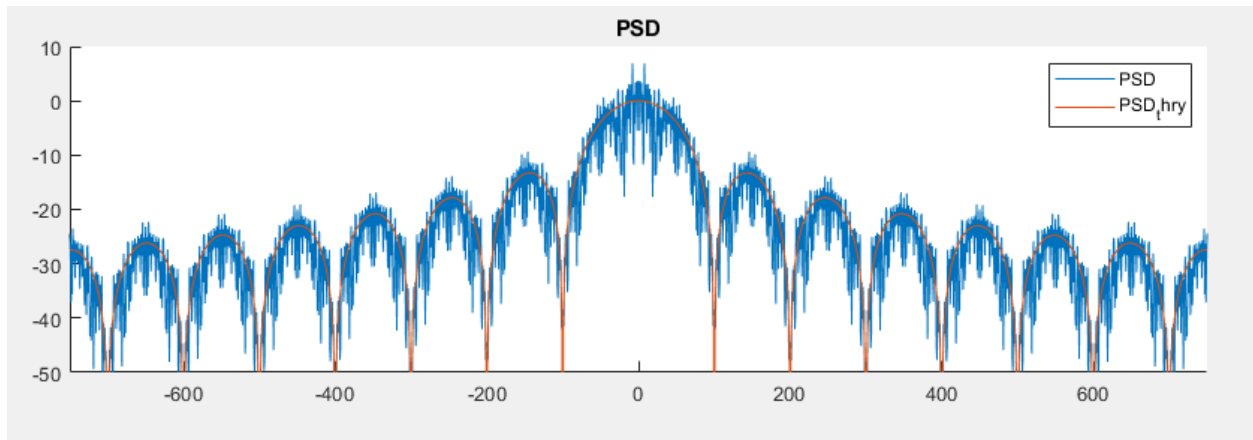
Q6.



Q7.



Q8.



Because 2 different random message bit sequences are used, thus similar but not same.

Q9. $N_f = 1000$

