Homework 2

due September 16, 2022 Submit in pdf only.

Problem 1:

Install Python on your system.

Install Wireshark. Watch a stream on youtube and capture the dataflow with wireshark. Submit a pdf / jpg / png of the Wireshark traffic when you start watching. (You need only 10 - 30 packets.)

Problem 2:

Who were the "inventors" of spread spectrum technology?

(A short paragraph suffices.)

Problem 3:

A line has a signal-to-noise ratio of 500 and a bandwidth of 8 Khz. What is the maximum data rate supported on this link.

Problem 4:

A device is sending out data at the rate of 2000 bps. How long does it take to send a file of one million characters (of 8 bits each)?