Ve489 Computer Networks

Prof. Xudong Wang

Homework Set 2

Due date: June 13, 2023

- 1. Explain the reason for framing in the logical link control layer? Also, list the key approaches for framing?
- 2. Considering an example of bit stuffing,
- 3. Study the key mechanisms of three ARQ protocols.
 - 1) Use a table to list the key elements of these ARQ protocols (e.g., timeout, ack/nak, sequence number, receiving window, sending windows, etc.), and also explain the relationship of these elements (if there is any).
 - 2) Derive the efficiency of these three ARQ protocols considering both error-free and erroneous environments.