Computer Networks
Lab 5 Assignment

Task 1: Implementation of Go-Back-N ARQ (network = “layerNetworkGBN”)

1) Implement following functionality in the behavioural design of data-link layer (named “dl_layer_GBN”) of nodes
   (Hint: use *vector* (http://www.cplusplus.com/reference/vector/vector/) data-structure to define sliding window)

   a. 10% frame loss
   b. Propagation delay 'D_p' (value to be specified in omnetpp.ini file)
   c. Processing delay 'D_pr' (value to be specified in omnetpp.ini file)
   d. Window size 'k' (value to be specified in omnetpp.ini file)
   e. Send in order 26 packets, each packet contains a single English alphabet (A-Z)

2) Collect data for performance parameters
   a. Number of packets sent
   b. Delay of each packet
   c. RTT

3) Visualize (plot) following parameter (with min, max, and average information)
   a. Delay of packets
   b. RTT