

The mapping between nodes are a-0, b-1, c-2, d-3.

Between a and b, I used TCP as the transport layer protocol and FTP as the application layer protocol.

Between c and b, I used UDP as the transport layer protocol and CBR as the application layer protocol. Since UDP is an unreliable connection and it is only one way transfer, a simplex link is sufficient for this connection.

Between b and d, I used TCP as the transport layer protocol and FTP as the application layer protocol.

An arbitrary delay of 100ms is considered.