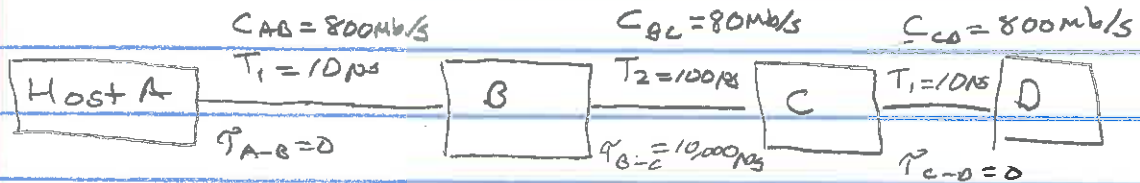


New problem 4

Message length $M = 1920 \text{ B}$

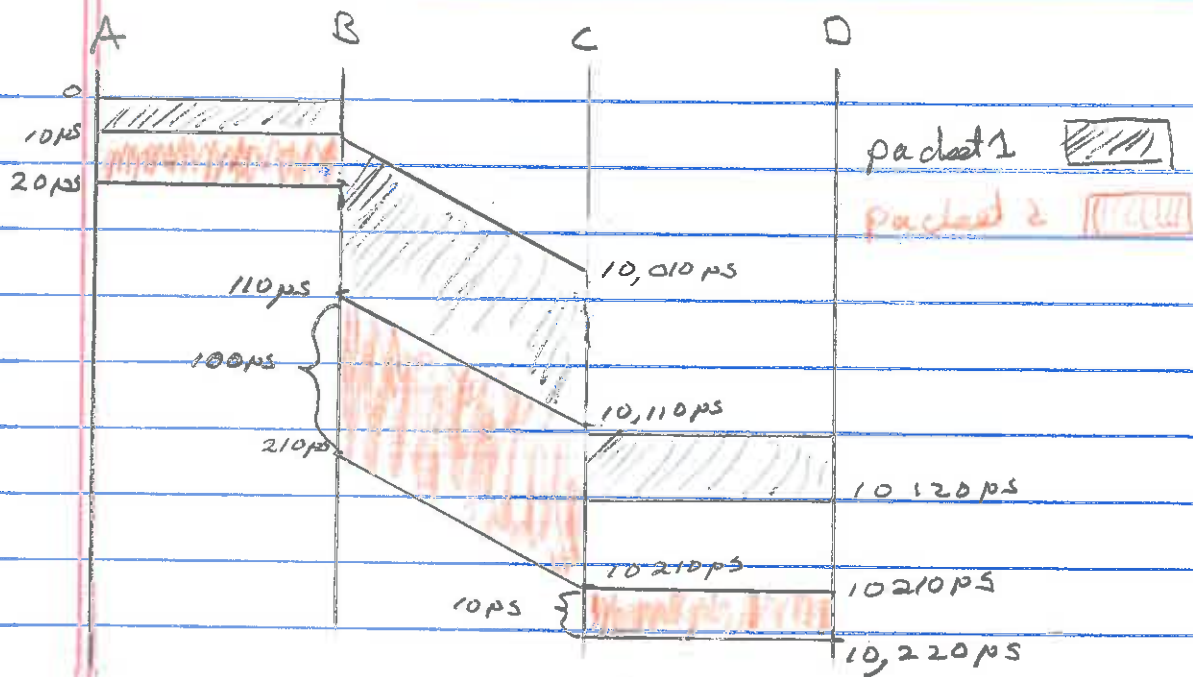
Packet size $= 1000 \text{ B}$

Packet header $= 40 \text{ B}$



a) % bytes with payload $= 100 \times \left(\frac{1920}{2000} \right) = 96\%$

b) Datagram packet switching



c) Virtual circuit packet switching

$$10,220 \text{ ns} + 10,000 \text{ ns} + 10,000 \text{ ns} = 30,220 \text{ ns}$$