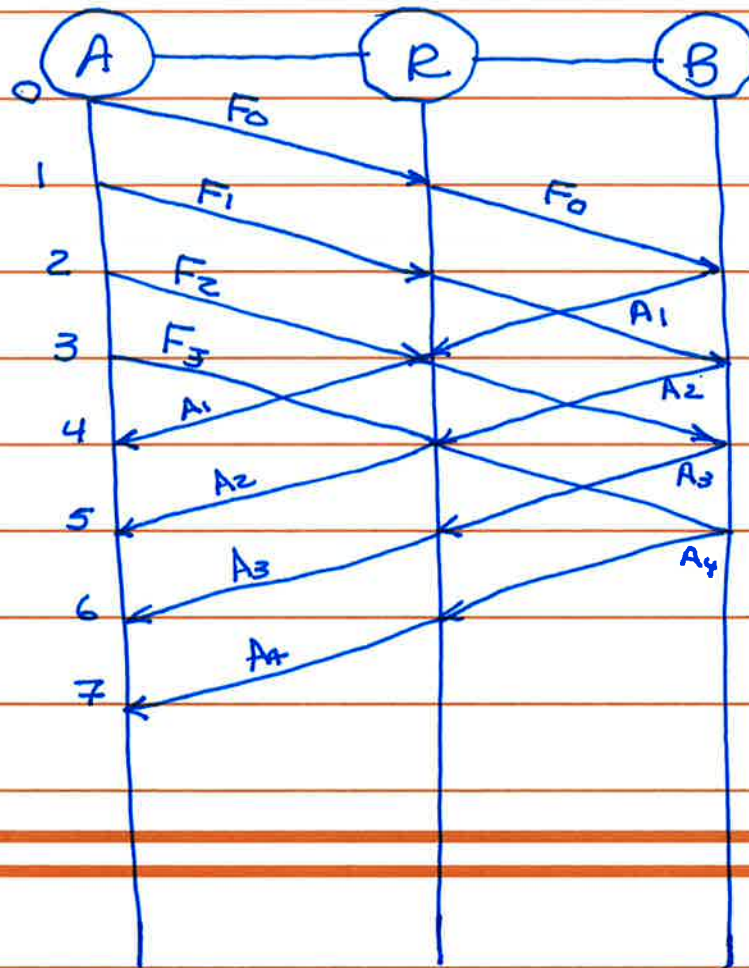
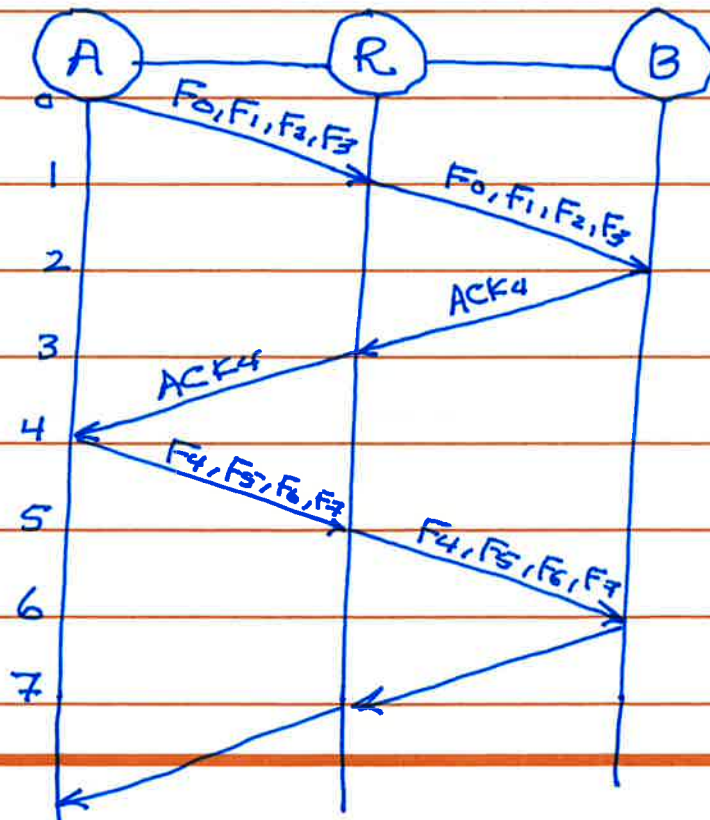


36

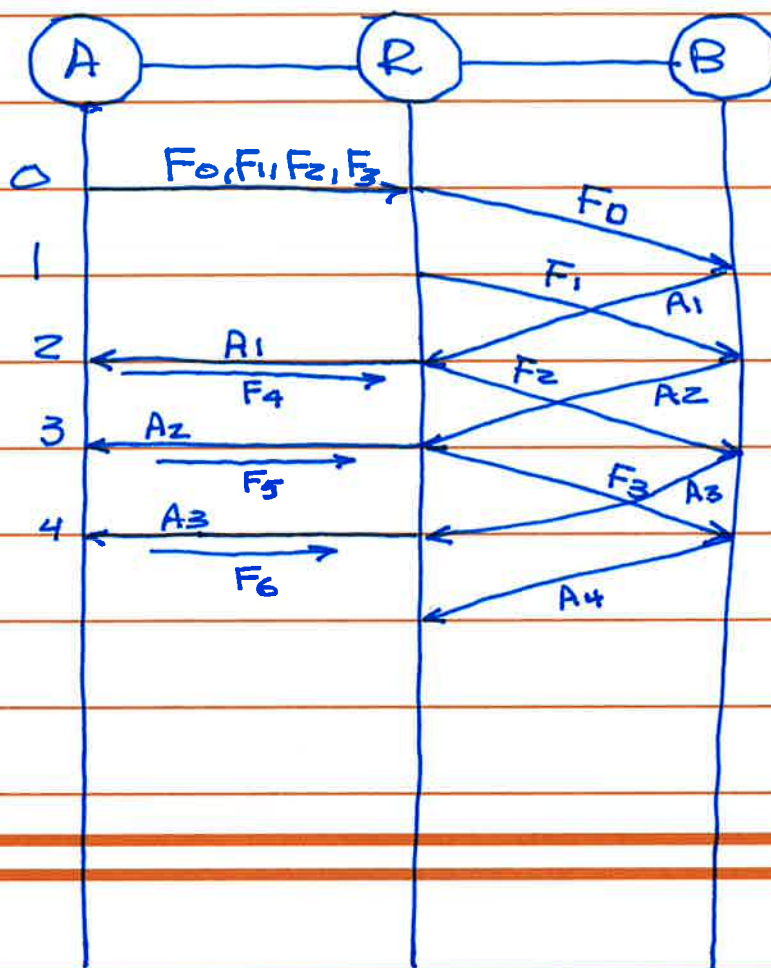
a)



b)



37)



t Queue

0 F_1, F_2, F_3

1 F_2, F_3

2 F_3, F_4

3 F_4, F_5

4 F_5, F_6

⇒ steady state queue size = 2 frames.

5. $A \rightarrow B$ Throughput = $7000/19 = 368.4\text{bps}$. $B \rightarrow C$ Throughput = $7000/(24-2) = 318.2\text{ bps}$. $A \rightarrow C$ Throughput = $7000/24 = 292\text{ bps}$

