PortTransmitRate =100 Mbps

MaxFrameSize = 1522 bytes = 12176 bits

IdleSlope = 25 Mbps

SendSlope = idleSlope – portTransmitRate

= 25 - 100

= -75 Mbps

Maxinterferencetime = maxFrameSize / portTransmitRate

= 12176 bits / 100 Mbps

=122 microsec

**Queuing Delay experienced by class A = 122 microsec**

Hicredit = Maxinterferencetime \* idleSlope

Hicredit = maxInterferenceSize \* (idleSlope/portTransmitRate)

For the numerically highest traffic class, maxInterferenceSize is exactly equal to the maximum sized frame that can be transmitted through the Port

Hicredit =12176 \*(25/100)

=3044 bits

locredit = maxFrameSize \* (sendSlope/portTransmitRate)

= 12176 \* (-75 / 100)

= -9132 bits

Maxburstsize = portTransmitRate \* ((hicredit-locredit) / (-sendSlope))

= 100 \* ((3044+9132) / 75)

= 16235 bits

**Queuing Delay experienced by SR class B**

= (MaxFrameSize (non-SR class)/portTransmitRate) + (hicredit/sendSlope) +

(MaxFrameSize (SR class)/portTransmitRate)

= 284 microsec