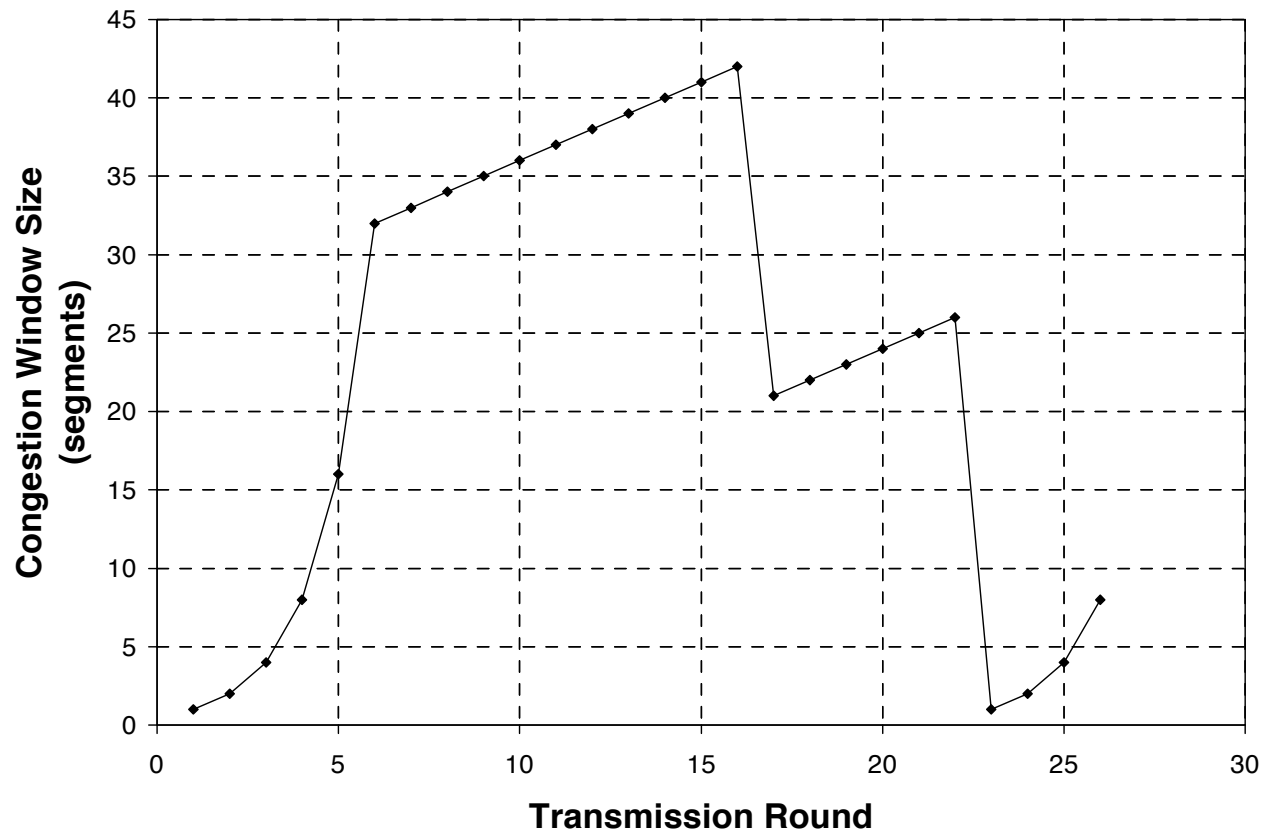


# Practice Problem



Consider the following plot of TCP window size as a function of time. Assume that the version is Reno.



# Practice Problem



- ❖ Identify the intervals of time when TCP slow start is operating.
- ❖ Identify the intervals of time when TCP congestion avoidance is operating.
- ❖ After the 16<sup>th</sup> transmission round, is segment loss detected by a triple duplicate ACK or a timeout?
- ❖ What is the initial value of ssthreshold at the first transmission round?

# Practice Problem



- ❖ What is the value of ssthreshold at the 18<sup>th</sup> transmission round?
- ❖ What is the value of ssthreshold at the 24<sup>th</sup> transmission round?
- ❖ During which transmission round is the 70<sup>th</sup> segment sent?
- ❖ Assuming a packet loss is detected after the 26<sup>th</sup> round by the receipt of triple duplicate ACK, what will be value of the congestion window size and of ssthreshold?