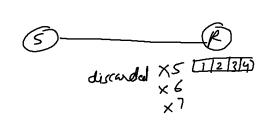
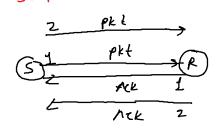
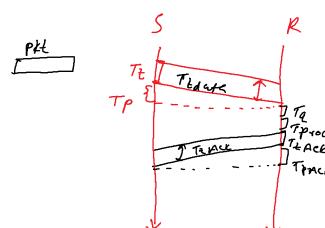
## Flow control and error control

Friday, February 18, 2022 8:35 AM



Solution =





$$Tt = \frac{L}{B}$$

$$Tp = \frac{d}{c}$$

$$\frac{1}{2} = \frac{1}{2} + 2Tp$$

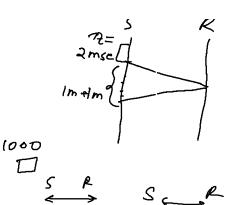
$$\frac{1}{2} = \frac{1}{2} + 2Tp$$

$$\frac{1}{2} + 2Tp$$

$$\begin{array}{c}
\Rightarrow \frac{1}{1+2TP_{T2}} \\
1 + 2TP_{T2}
\end{array}$$
where  $a = TP$ 

Ex

$$n = \frac{1}{1+29} = \frac{1}{1+2*Tp}$$



$$N = \frac{1}{1+29} = \frac{1}{1+2} \times \frac{Tp}{T2}$$

$$= \frac{1}{1+2} \times \frac{1}{2}$$

$$= \frac{1}{2} = 50\%$$

$$7t = 1my$$

$$7t = 1my$$

$$7t = 1my$$

$$- \frac{1}{1+2x/1} = \frac{1}{3}$$

$$7m \text{ of } \frac{1}{2my}$$

$$\sqrt{m} \text{ of } \frac{1}{2my}$$

ex 
$$n > 50\%$$

$$\frac{Tt}{Tt + 2Tp}$$

$$2Tt > Tt + 2Tp$$

$$Tt > 2 \times Tp$$

$$\frac{L}{B} > 2 \times Tp$$

$$2 \times Tp \times B$$

Throughut = 
$$N \times \beta$$
  
 $\beta = 4 \text{ mbps}$   
 $N = 30 \text{ y}$ .  
Throughut =  $\frac{1}{2} \times 4$   
 $= 2 \text{ mbps}$