

$$t_1 = 1 \times 10^{-6} \text{ sec}$$

$$t_2 = (1 \times 10^{-6} + 0,05) \text{ sec}$$

$$d_{prop} = \frac{10.000 \text{ e}^3}{\frac{2}{3} \cdot 3 \cdot 10^8} = 0,05 \text{ s}$$

$$d_{trans} = \frac{46.000}{10^6} = 0,04 \text{ s}$$

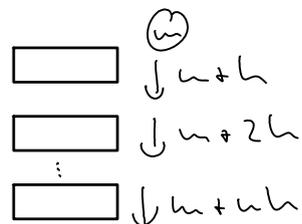
$$1 \times 10^{-6} + 0,05 = \frac{x}{R}$$

$$x = 5,0001 \times 10^4 \text{ bits}$$

5) $T \hat{=}$ Throughput \rightarrow Rate of successfully delivered data
 $S \hat{=}$ Goodput \rightarrow useful information

h Layers
 plus u bytes
 headers h bytes

$T \rightarrow S$?



$$S = \frac{u}{u+uh} \quad T = 1,25 \frac{\mu\text{s}}{\text{sec}}$$