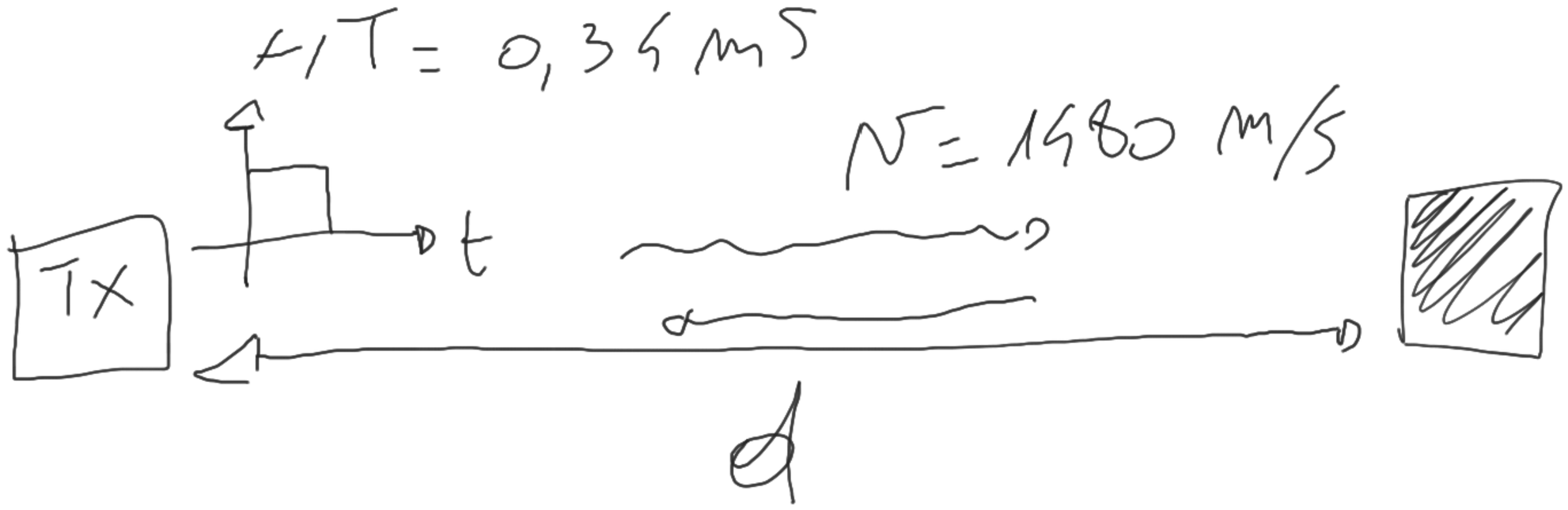
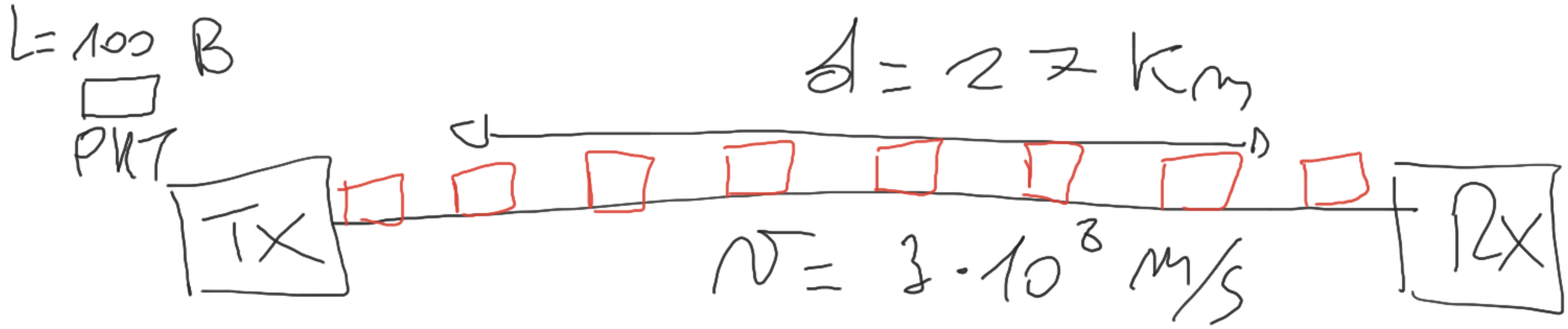
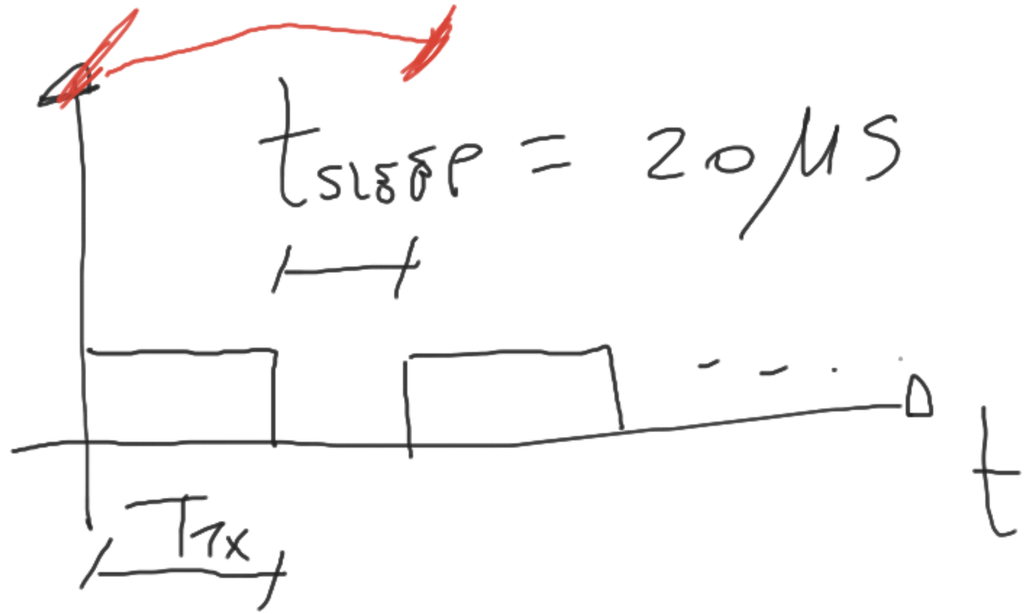


$$\frac{RTT}{2} = t_p = \frac{d}{V}$$



$T = T_{TX} + T_{SLOPP}$ $C = 80$ Mbps

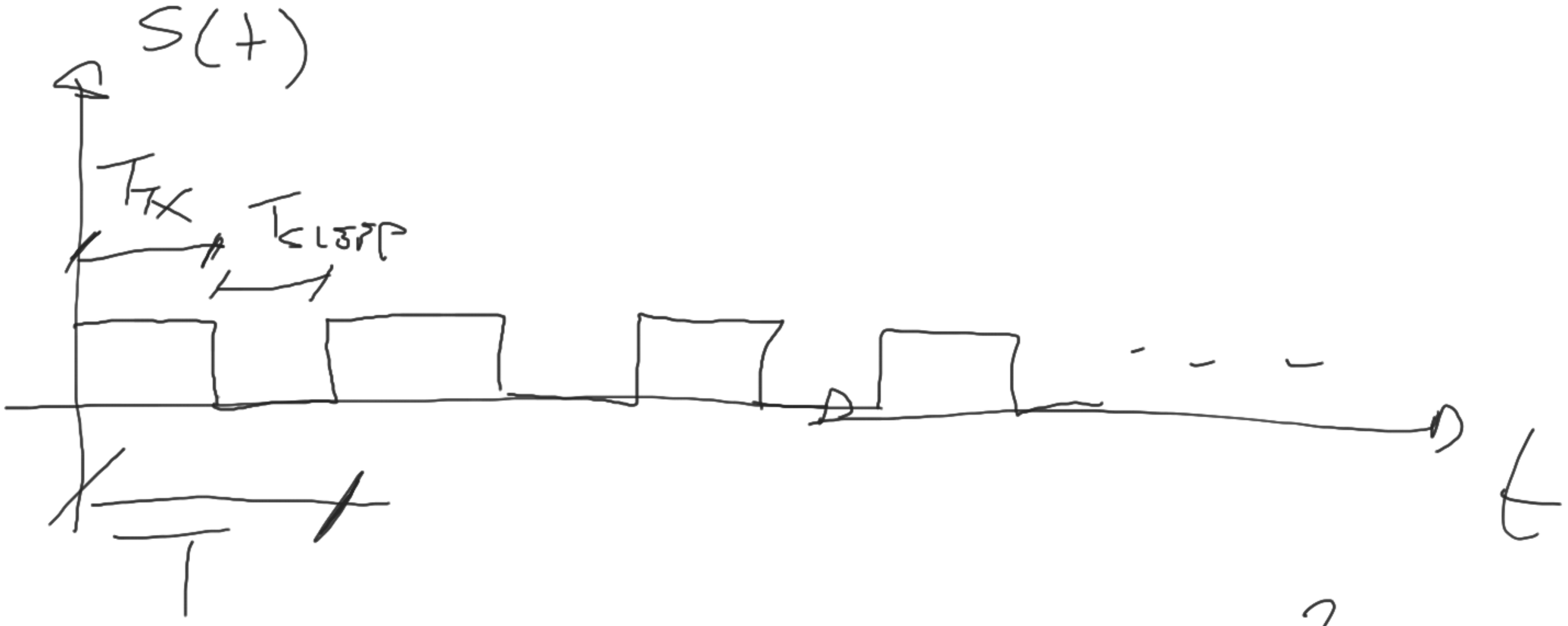


$T_P = \frac{d}{V} = \frac{27 \cdot 10^3}{3 \cdot 10^8} =$

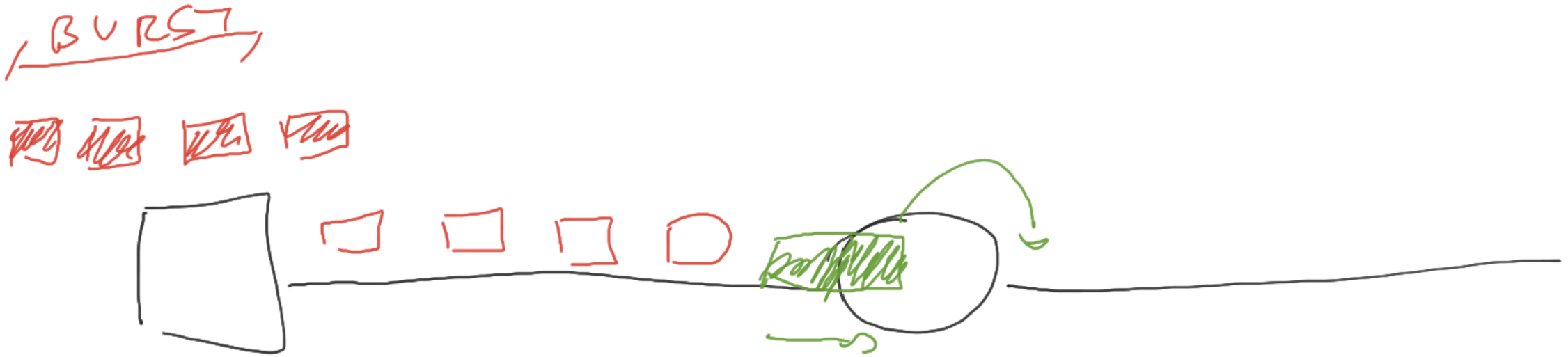
$= 90\ \mu s$

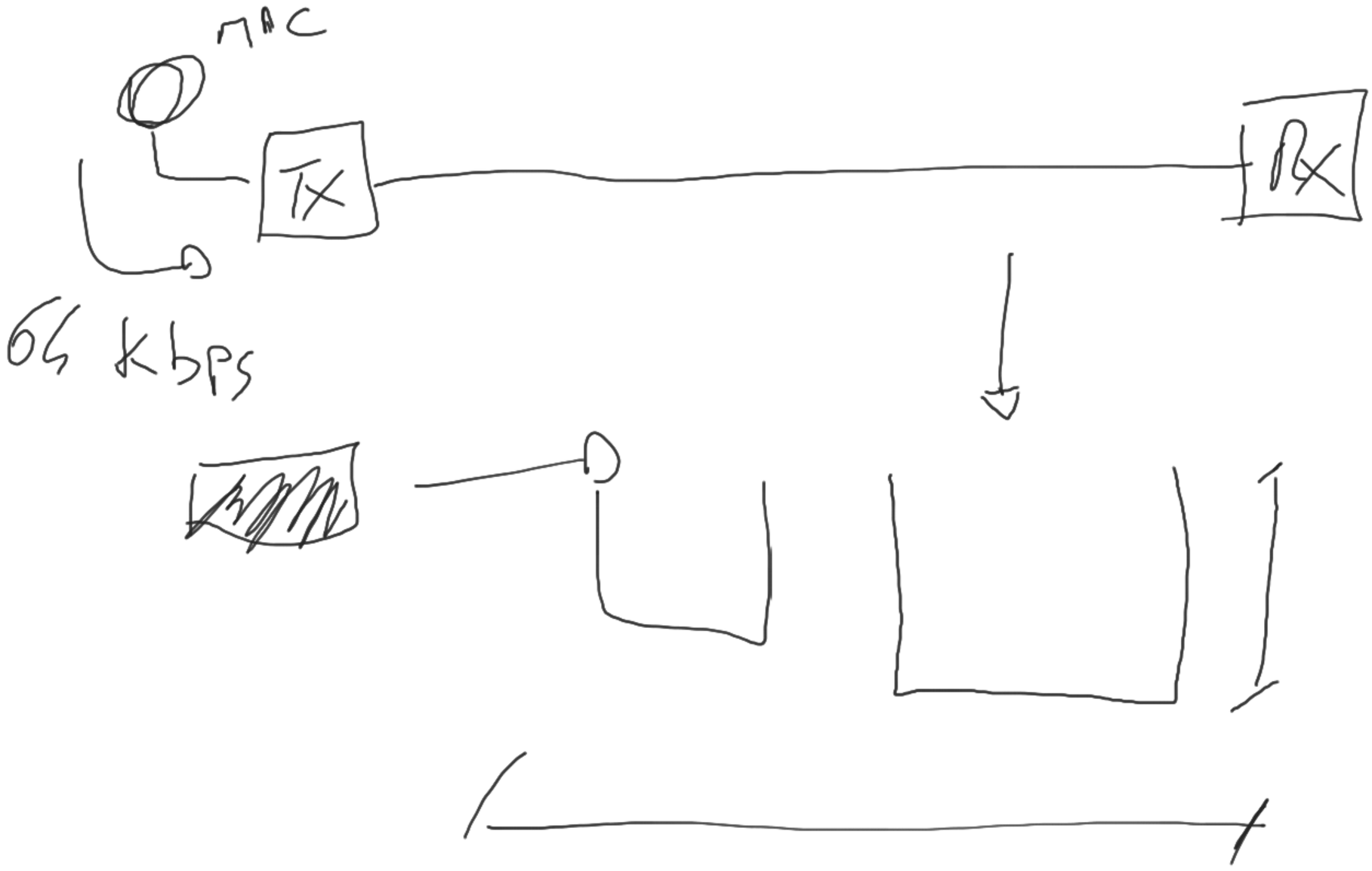
$T_{TX} = \frac{L}{C} = \frac{100 \cdot 8}{80 \cdot 10^6} = 10\ \mu s$

$T = T_{TX} + T_{SLOPP} = 30\ \mu s$



$$\#PACC = \frac{T_P}{T} = \frac{3\,\text{ФУ}}{1\,\text{ФУ}} = 3\,\text{РИТ}$$


BURST


MAC
Tx
Rx
64 kbps

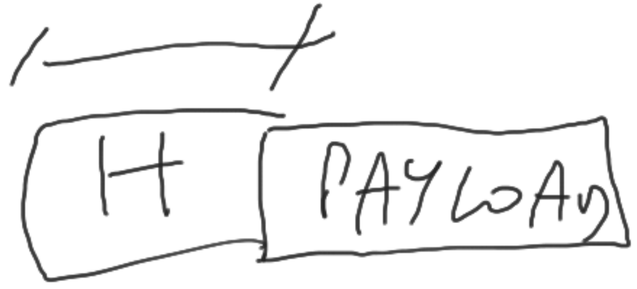
① $R_p = \frac{R_b}{L} = \frac{64 \cdot 10^3}{160 \cdot 8} = \frac{8^2}{2^1} =$

$= 50 \ \text{PKT/s}$

② $T_{PKT} = \frac{1}{R_p} = \frac{1}{50} = 20 \text{ms}$

(3)

h = 20B



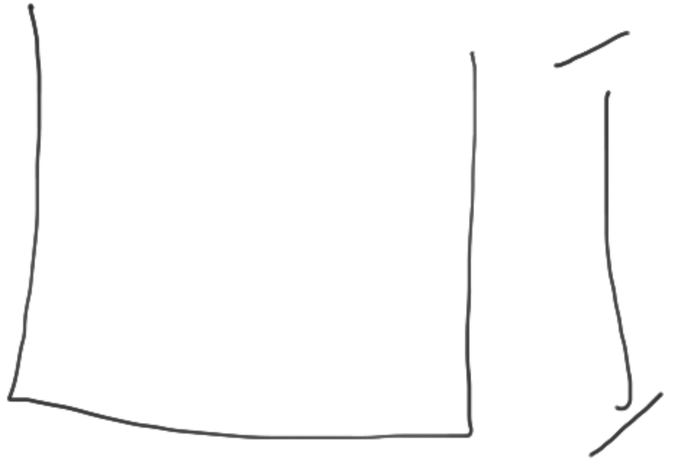
$L_p = L + h = 180B$

L = 160B

$R_{out} = \frac{R_p \cdot L_p}{} =$

$\doteq 50 \cdot 180 \cdot 8 =$

$= 72 Kbps$



$R_S^{F1} = 4\ Mbps$

$L = 1500\ b$

$T_{F1} = 10\ ms$

$$N_p^{F1} = \left\lfloor \frac{R_S^{F1} \cdot T_{F1}}{L} \right\rfloor$$

$$N_p^{F1} = \left\lfloor \frac{4 \cdot 10^{6} \cdot 10 \cdot 15^{-3}}{15\phi\phi} \right\rfloor = \left\lfloor \frac{400}{15} \right\rfloor = 26$$

26 PKT DI LUNGHEZZA $L = 1500 b$

1 PKT DI LUNGHEZZA $L_1 = R_p^{F1} T_{F1} - N_p^{F1} \cdot L =$

$= 4 \cdot 10^{6} \cdot 10 \cdot 10^{-3} - 26 \cdot 1500 =$

$= 4 \cdot 10^{4} - 26 \cdot 1500 = 1000 b$

(2) $N_P^{F2} = \left\lfloor \frac{R_S^{F_2} \cdot T_{F2}}{L} \right\rfloor = \left\lfloor \frac{1 \cdot 10^{6^5} \cdot 16 \cdot 10^{-5}}{150} \right\rfloor$

6 PACC. DI LUNG. 1500

1 PACC. DI LUNG. $R_S^{F_2} \cdot T_{F2} - 6 \cdot L =$

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