

①

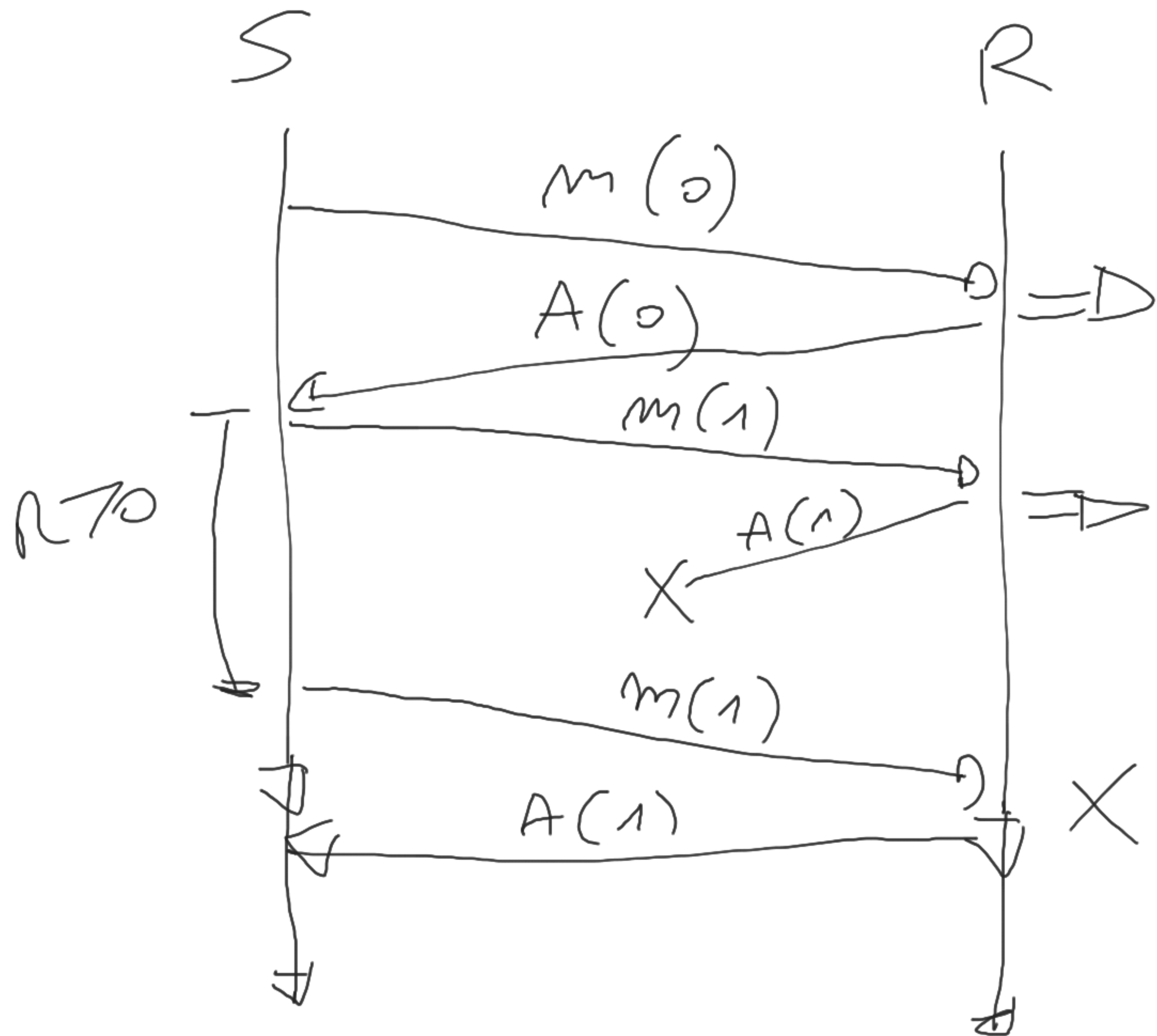
PERDITA

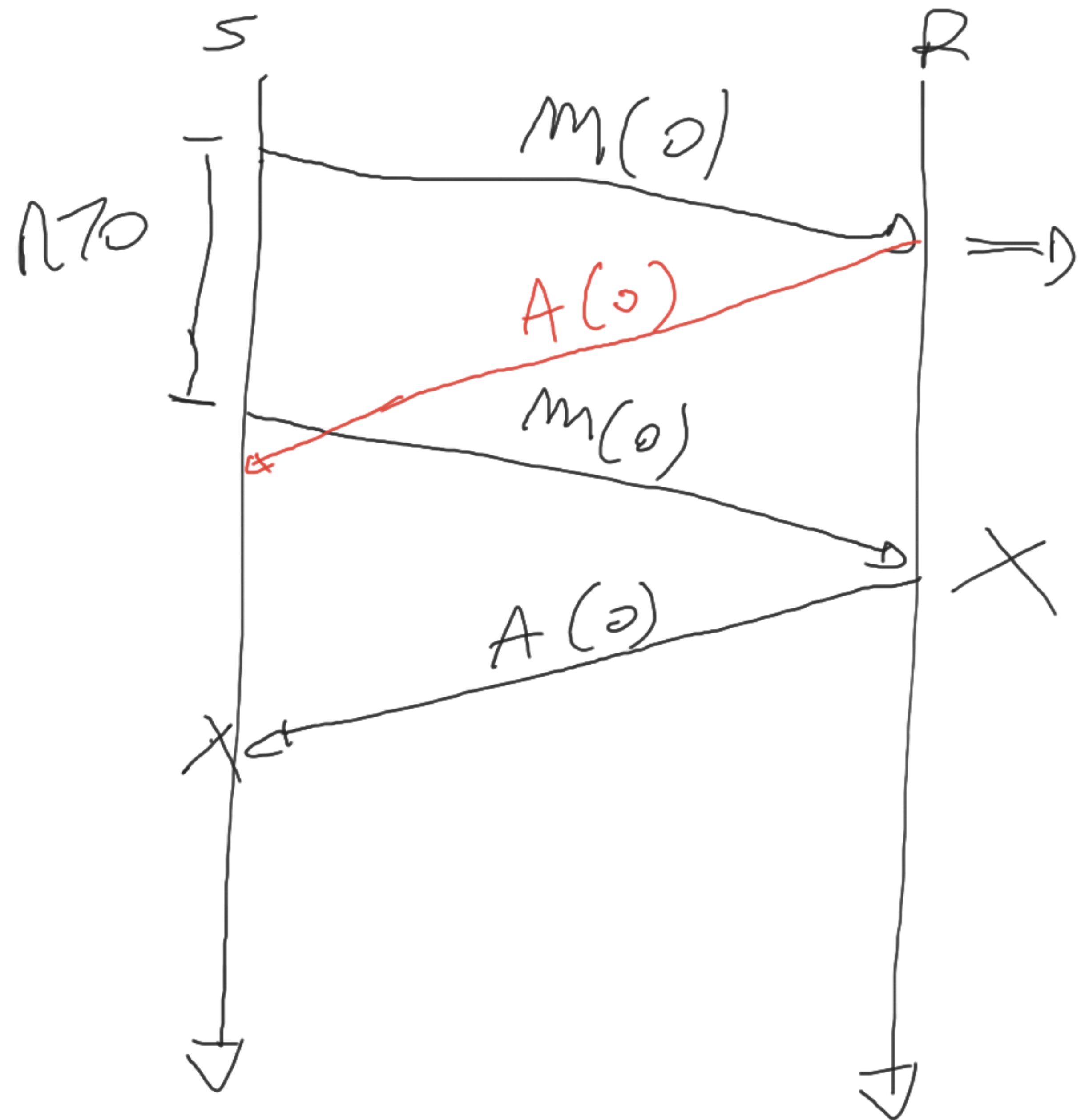
DELI' ACK(1)

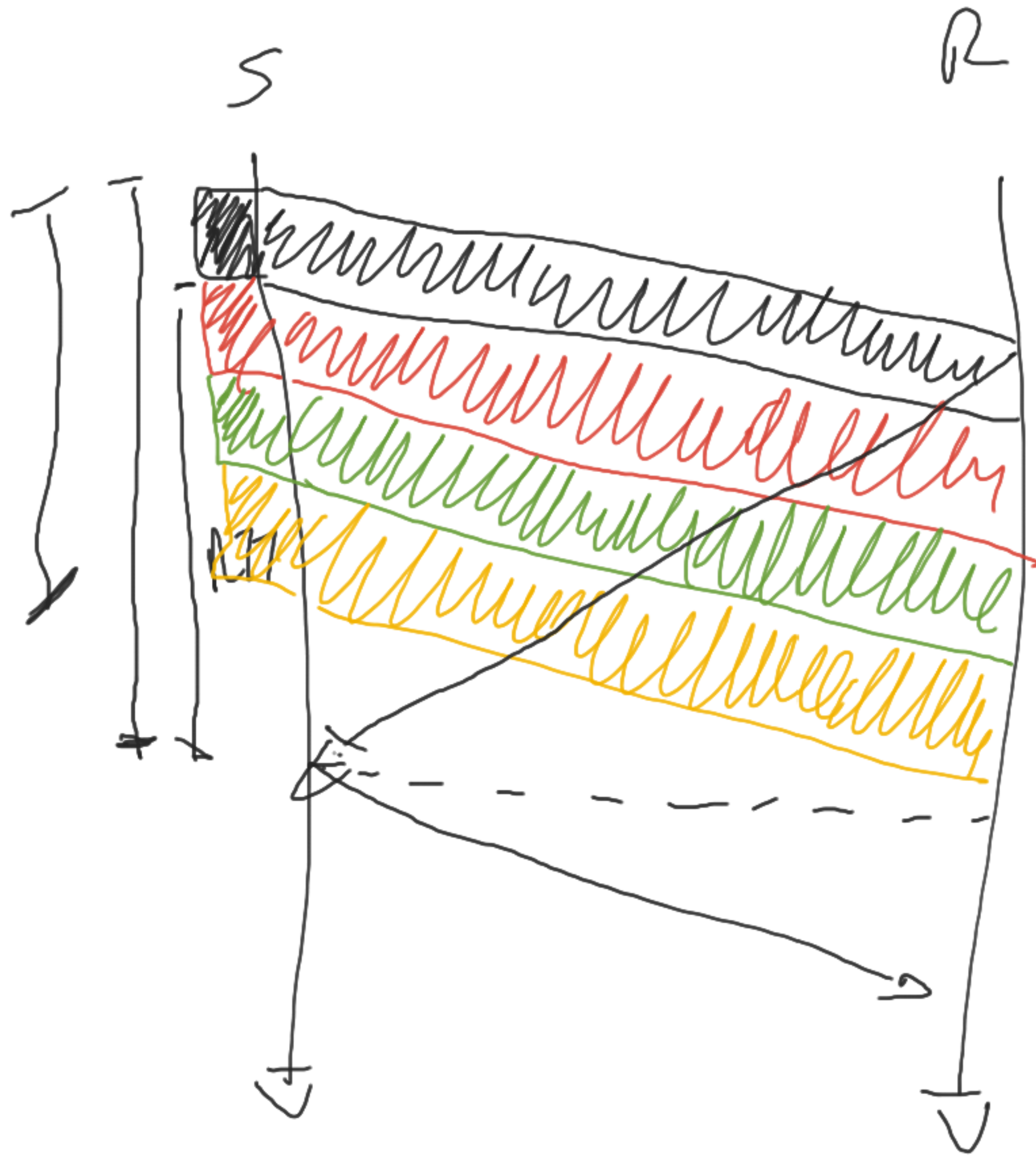
②

RT0

РАЗПАТУЛО







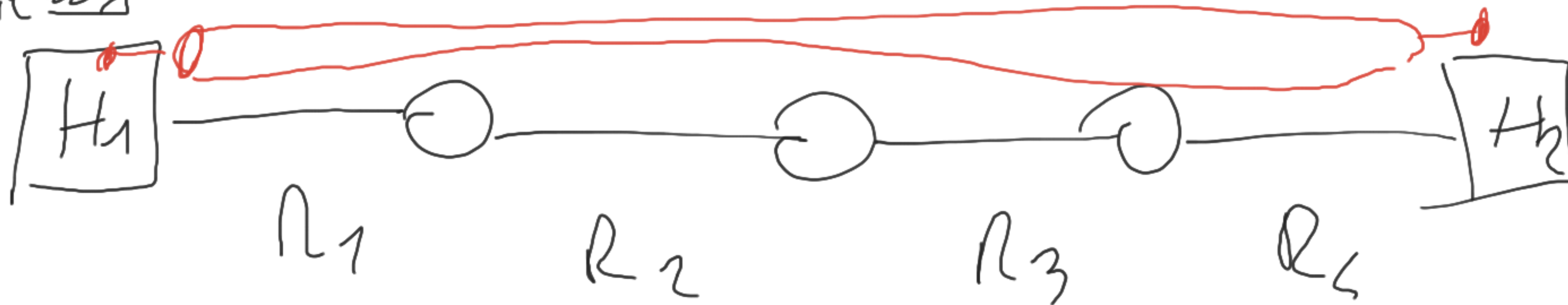
$$W \cdot U_{SW}$$

$$W \frac{L}{R}$$

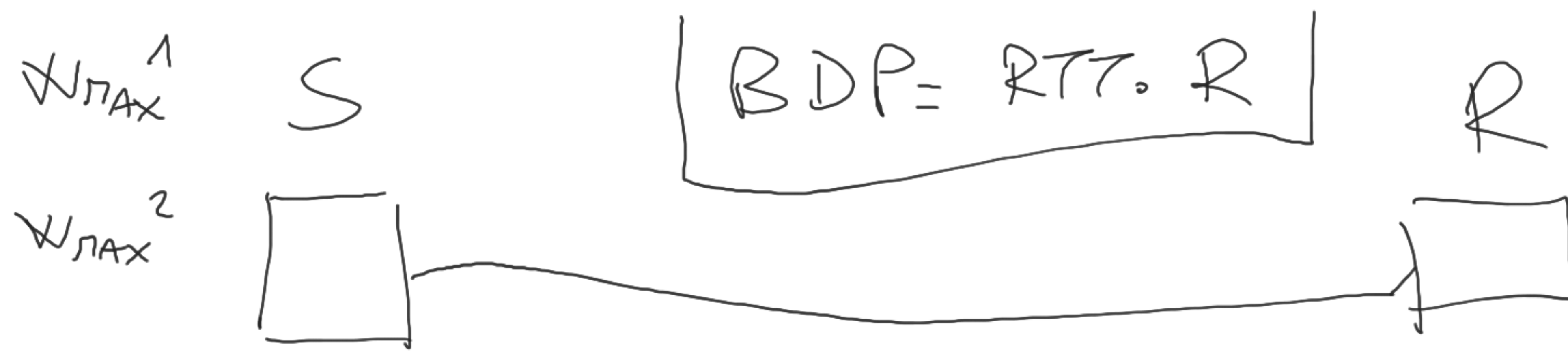
$$R_{TT} + \frac{L}{R}$$

$$\frac{W_{MAX} \frac{L}{R}}{R77 + \frac{L}{R}} = 1$$

L bit ~~PKT~~ PKT



$$\frac{L}{R}$$

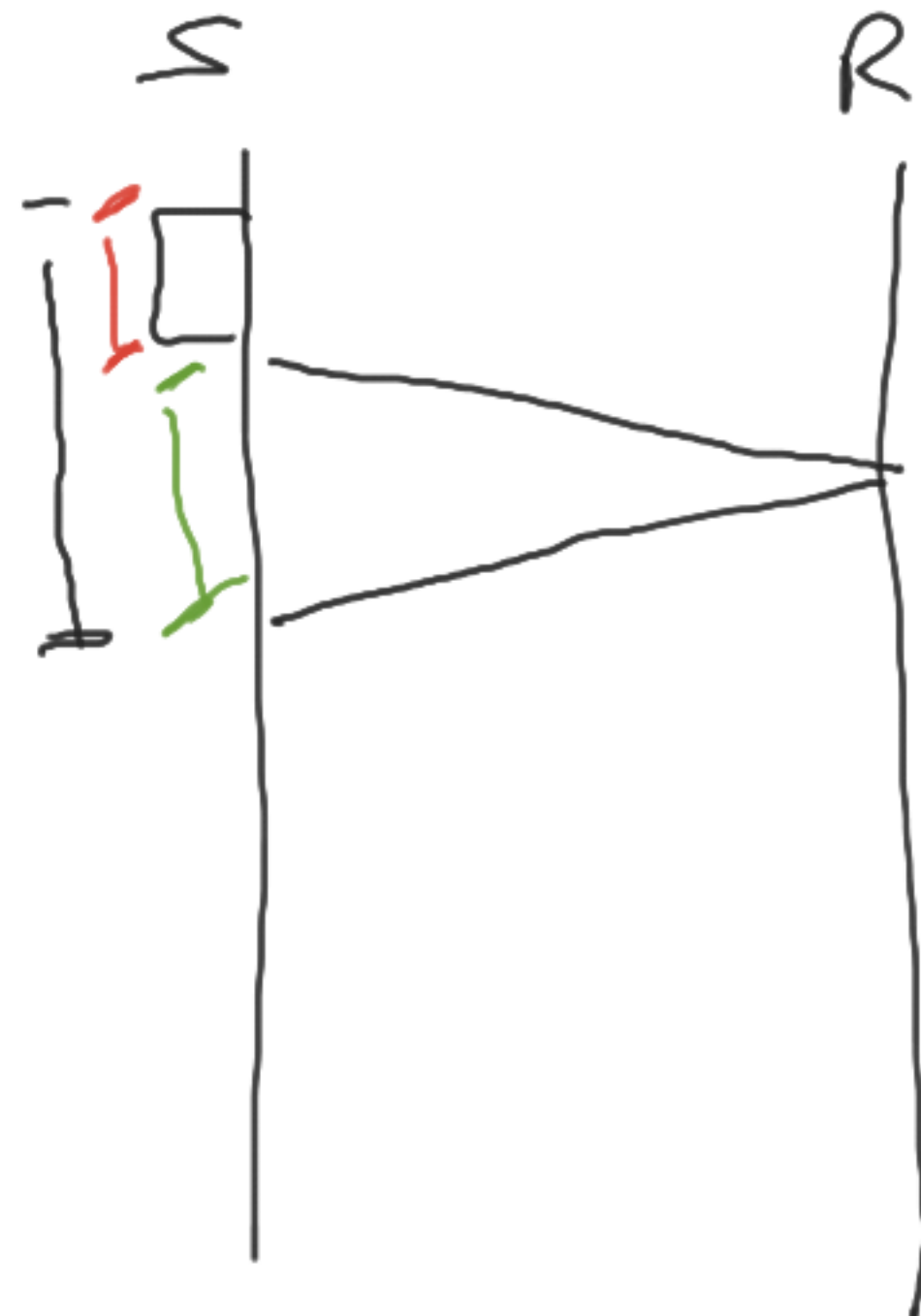


- ① $R_1 = 1 \text{ Kbps}$, $d = 1 \text{ ms}$ BDP₁ = ?
- ② $R_2 = 1 \text{ Gbps}$, $d = 1 \text{ ms}$ BDP₂ = ?
- $L = 1000 \text{ B}$ $V_1^{sw} = ?$ / $V_2^{sw} = ?$

$$U_1^{SW} = \frac{\frac{L}{R_1}}{\frac{L}{R_1} + 2d_{ze}} =$$

$$= \frac{\frac{1000 \cdot 8}{10^3}}{\frac{1000 \cdot 8}{10^3} + 2 \cdot 10^{-3}} =$$

$$W_{max}^1 = 1$$



$$\frac{8}{8 + 2 \cdot 10^{-3}} \approx 1$$

$$BDP_1 = R_i d_{22e} = 1 \cdot \cancel{10^3} \cdot \cancel{10^{-3}} \text{ bit}$$

$$U_2^{sw} = \frac{L/R_2}{L/R_2 + 2d_{22e}} = \frac{\frac{\cancel{4000} \cdot 8}{10^{\cancel{3}6}}}{\frac{\cancel{4000} \cdot 8}{10^{\cancel{3}6}} + 2 \cdot 10^{-3}} =$$

$$= \frac{8 \cdot 10^{-6}}{8 \cdot 10^{-6} + 2 \cdot 10^{-3}} = \frac{8}{8 + 2000} \cdot \frac{\cancel{10^{-6}}}{\cancel{10^{-6}}} = 0,004$$

$$W_{\max}^2 U_2^{sw} = 1$$

$$W_{\max}^2 = \left[\frac{1}{U_2^{sw}} \right] = \frac{1}{0,004} = 250$$

$$BDP_2 = R_2 \cdot d_{22e} = 10^8 \cdot 10^{-3} = 10^6 \text{ bit}$$