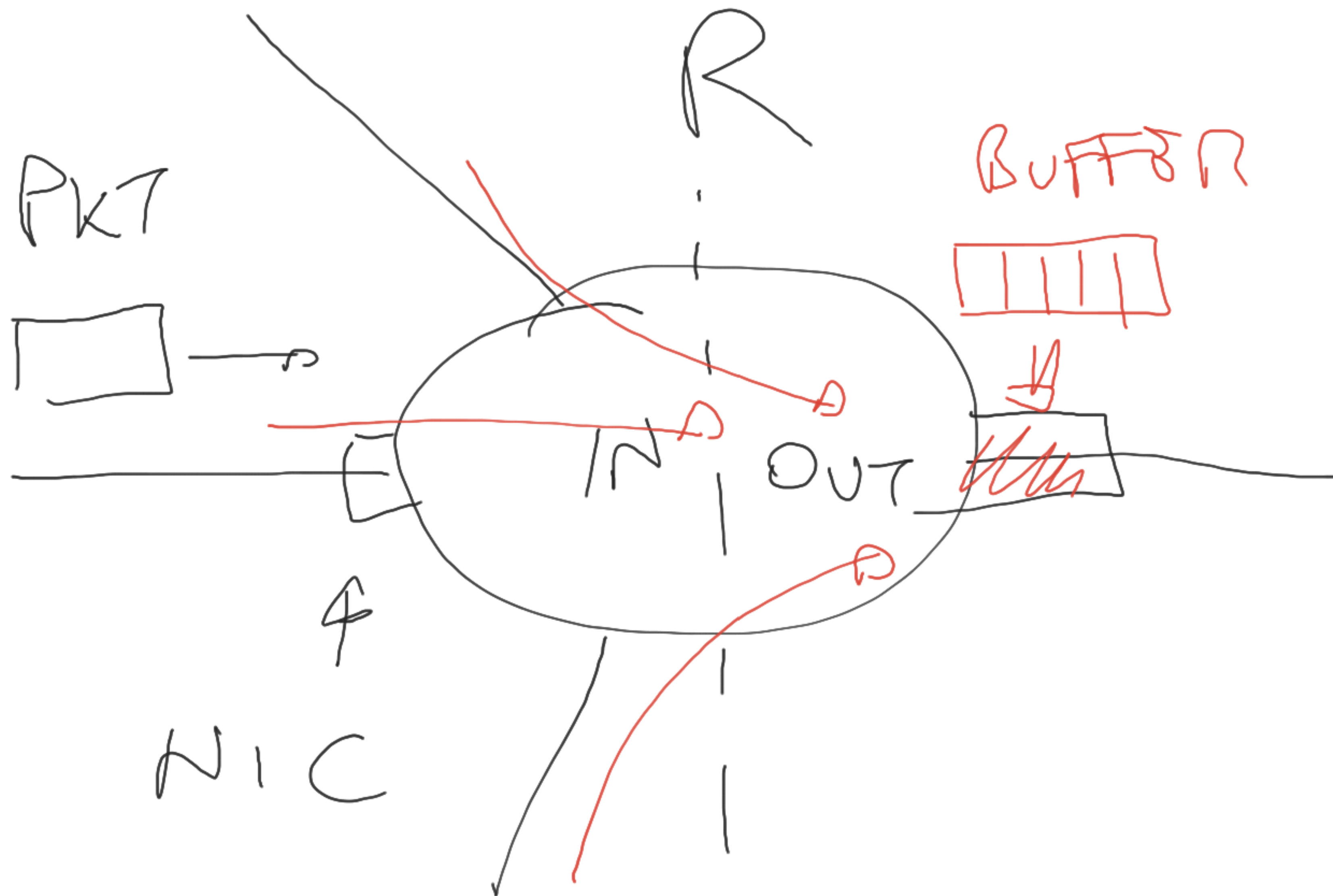
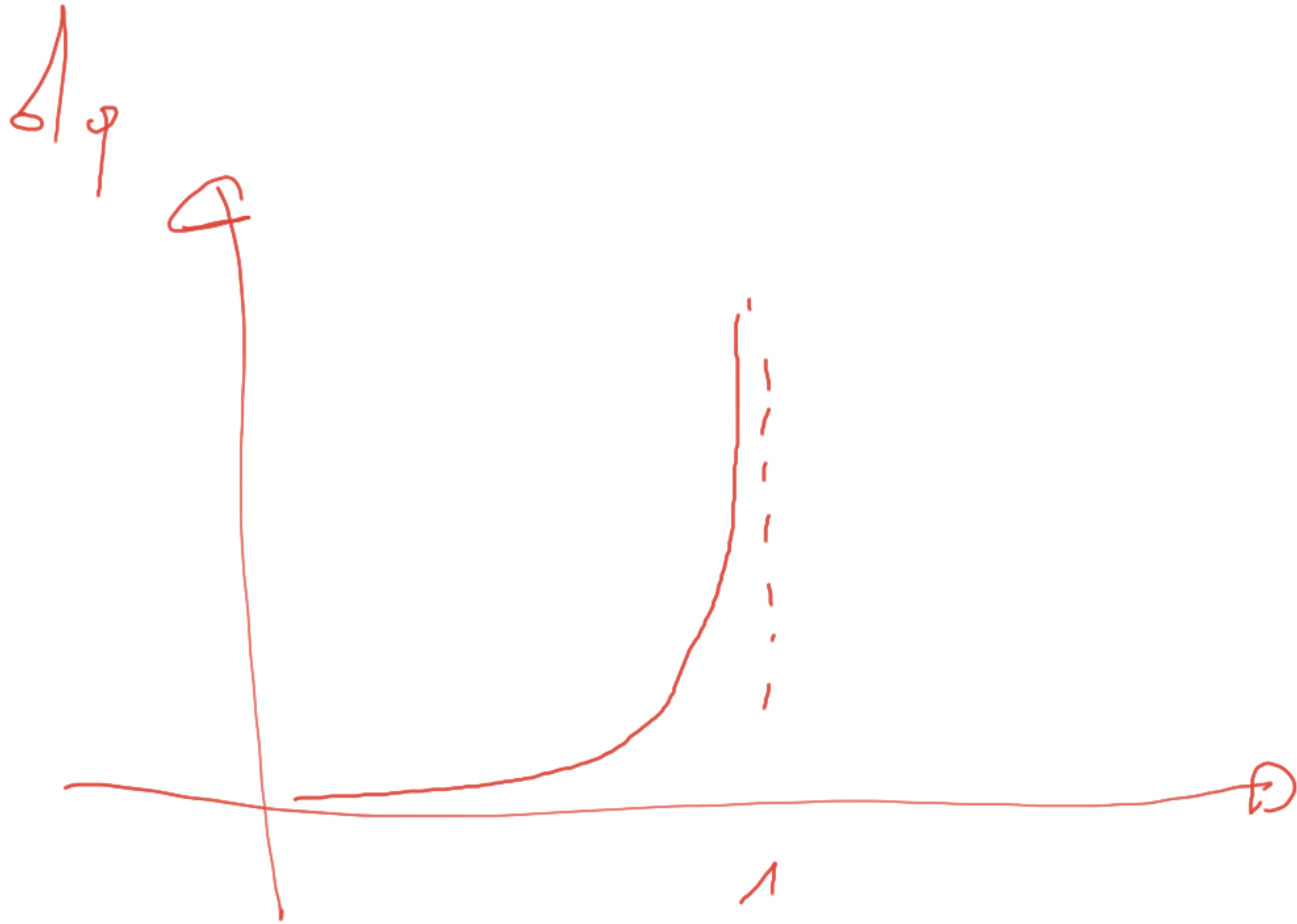


$$T_{22e} = 5 \cdot \frac{L}{R}$$



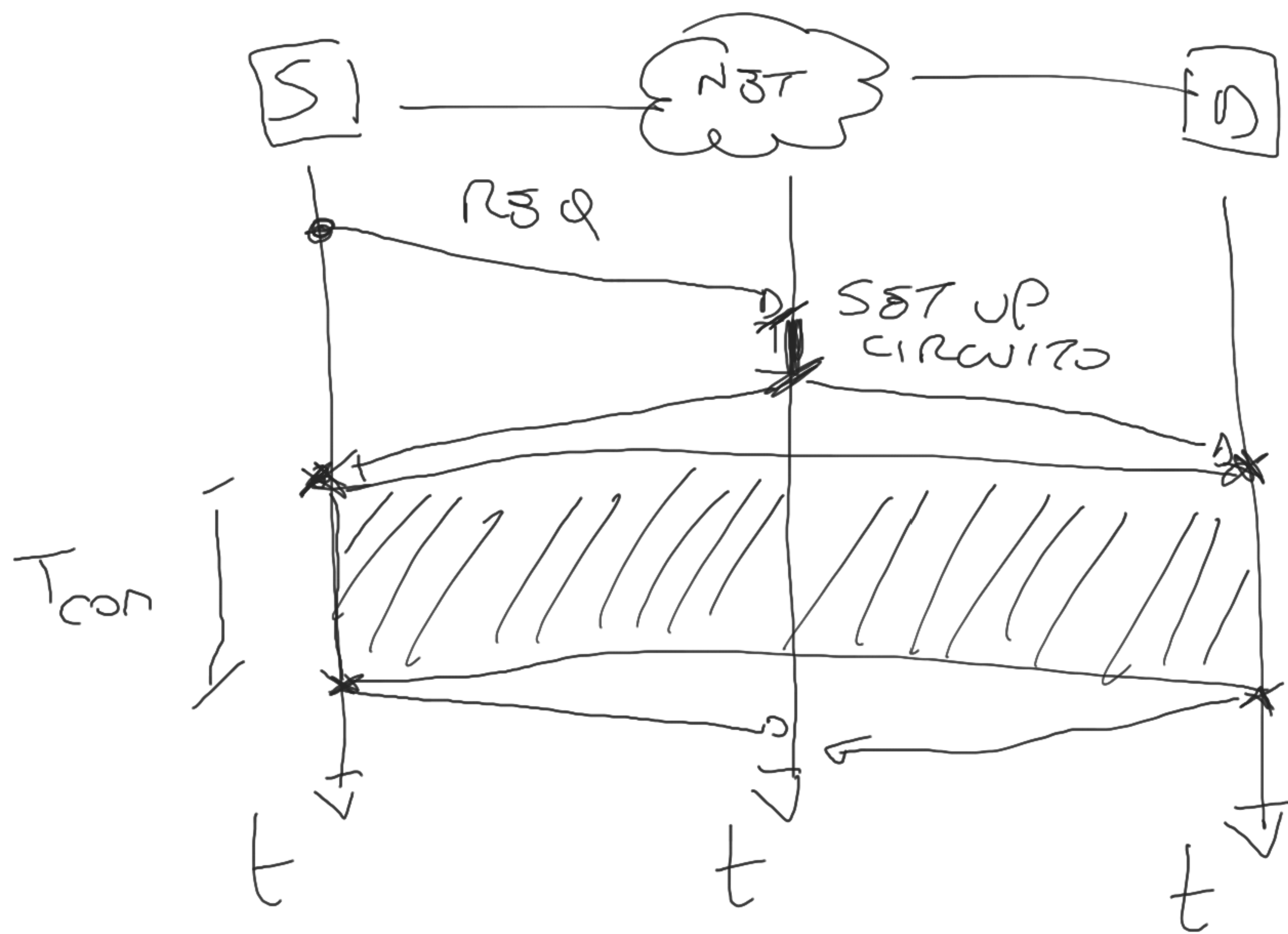


$$\rho = \frac{R_{in}}{R_{out}}$$



$$T_{e2e} = \frac{L}{R}$$

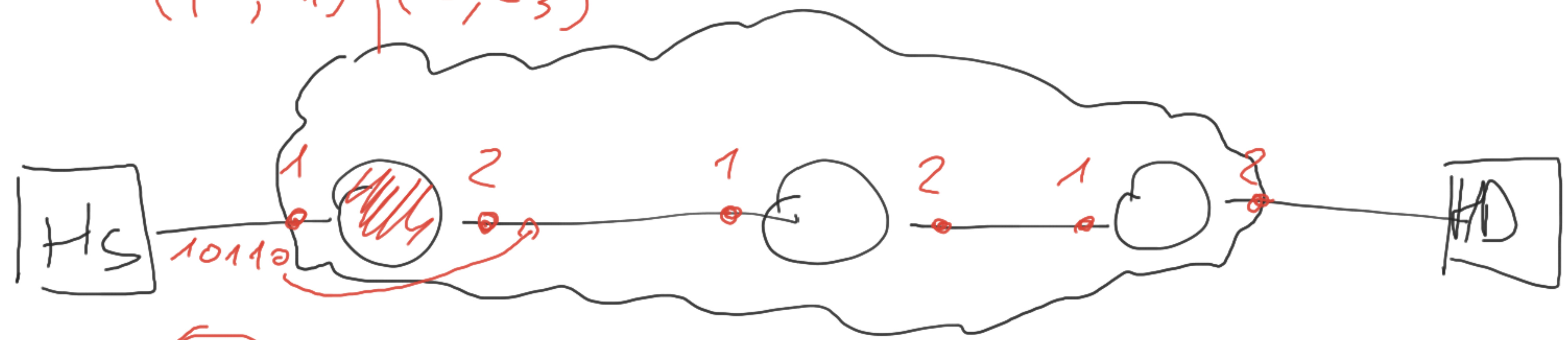




SCANNING  
INFORMATION

IN OUT

PORTA, CH | PORTA, CH  
(1, C<sub>1</sub>) | (2, C<sub>3</sub>)



C<sub>1</sub>

C<sub>2</sub>

C<sub>3</sub>

C<sub>1</sub>

C<sub>2</sub>

C<sub>3</sub>

C<sub>1</sub>

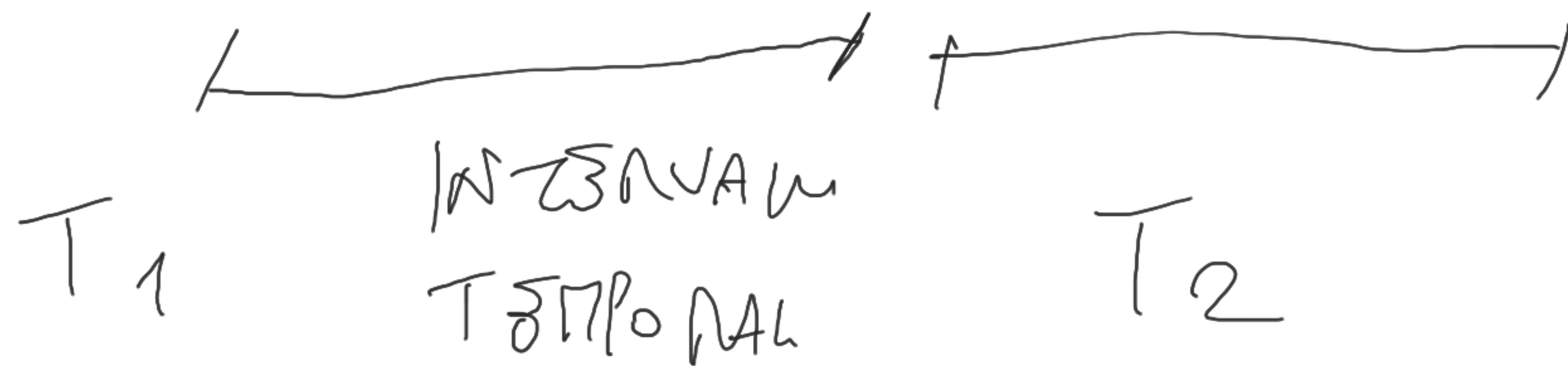
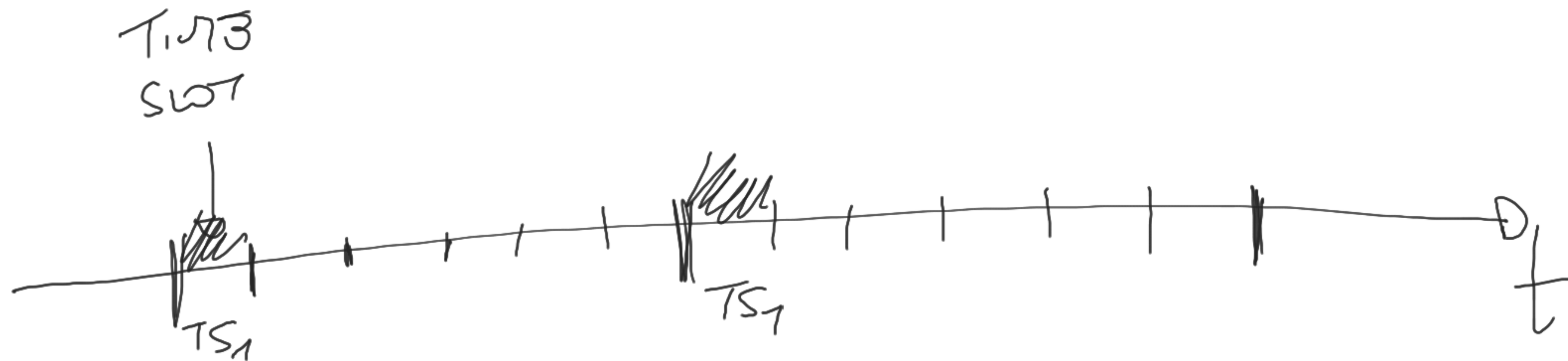
C<sub>2</sub>

C<sub>3</sub>

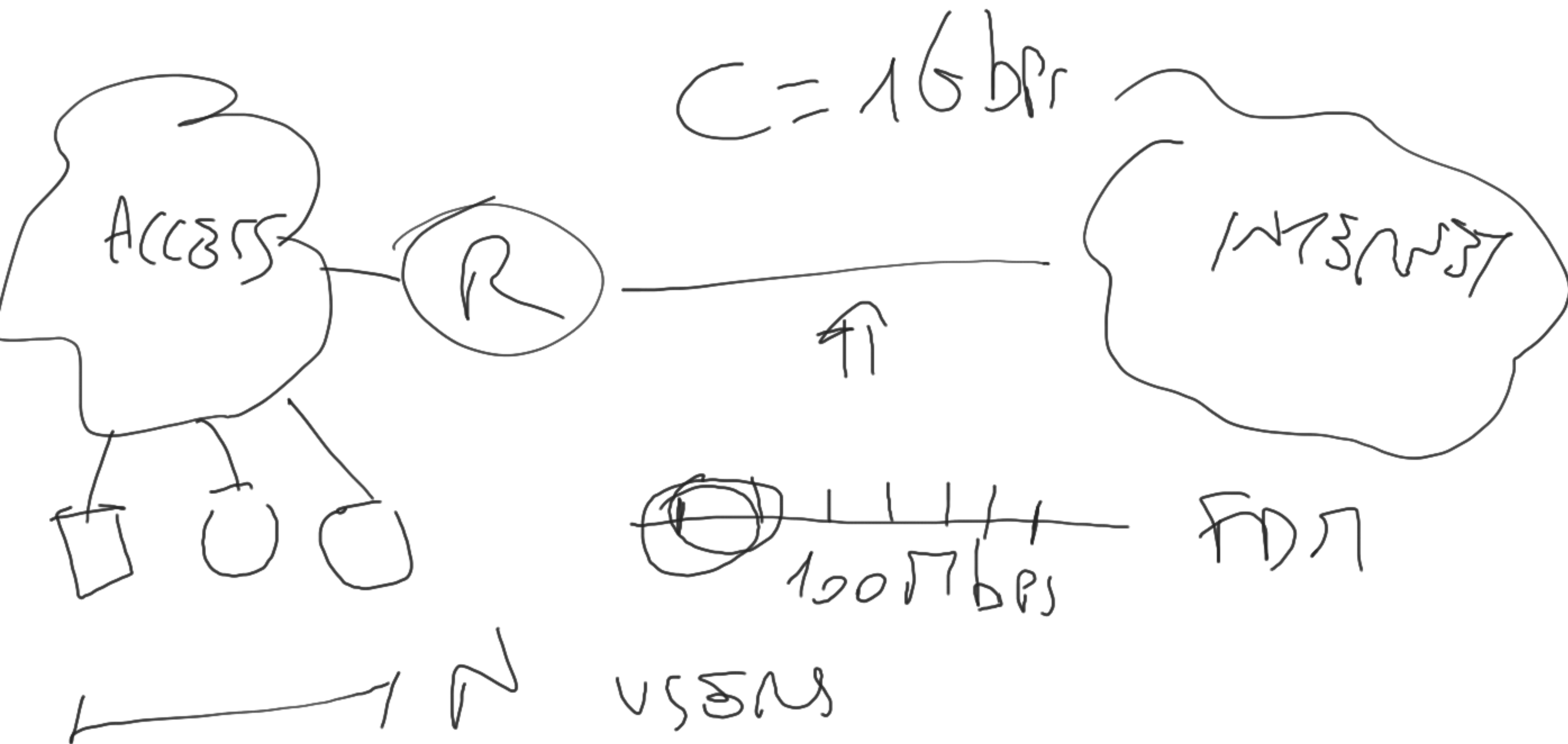
C<sub>1</sub>

C<sub>2</sub>

C<sub>3</sub>



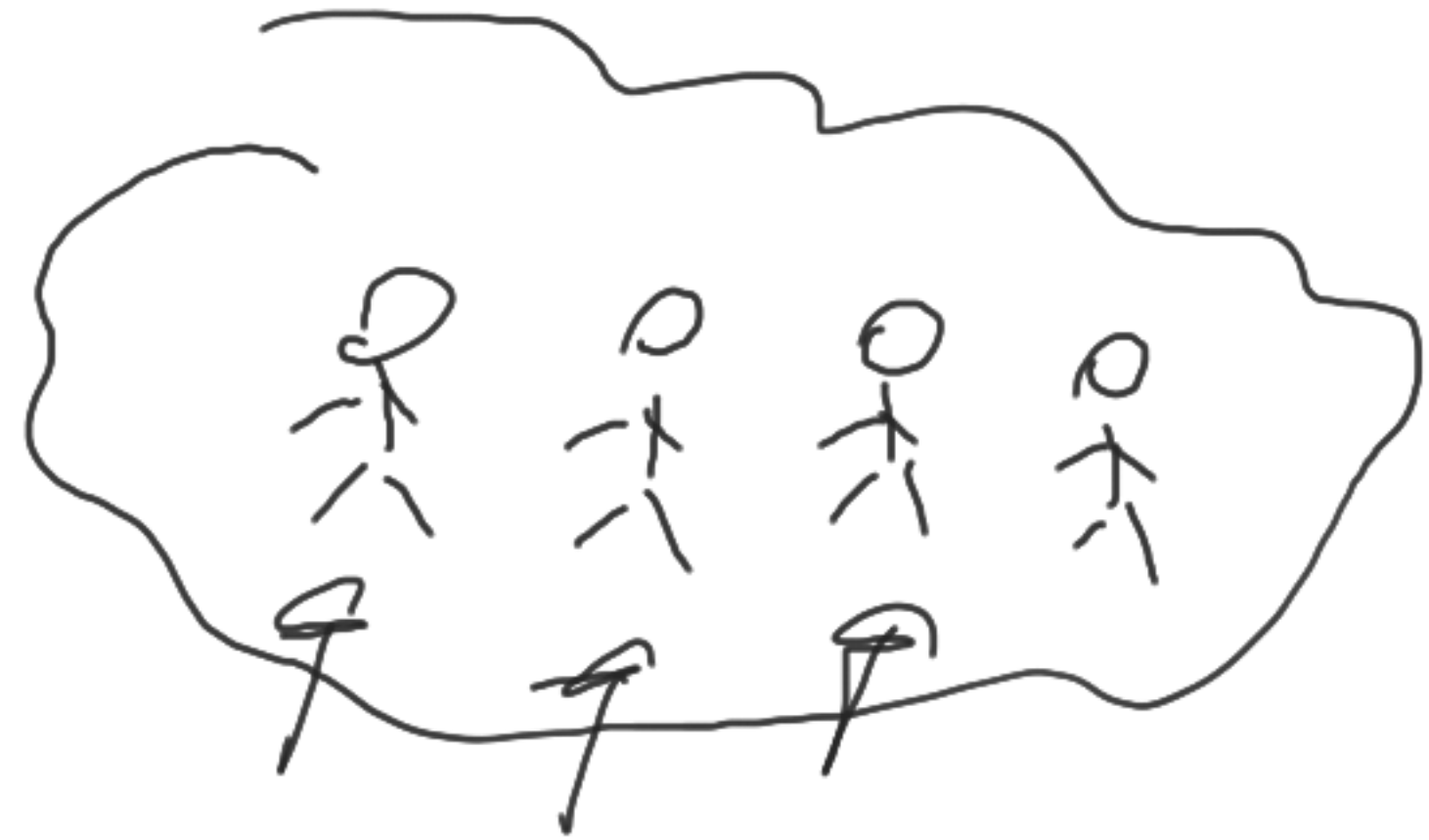




$P_{\text{Rob}} \{ 1 \text{ user on } \sim \text{ or } 3 \text{ users idle} \}$

(on)

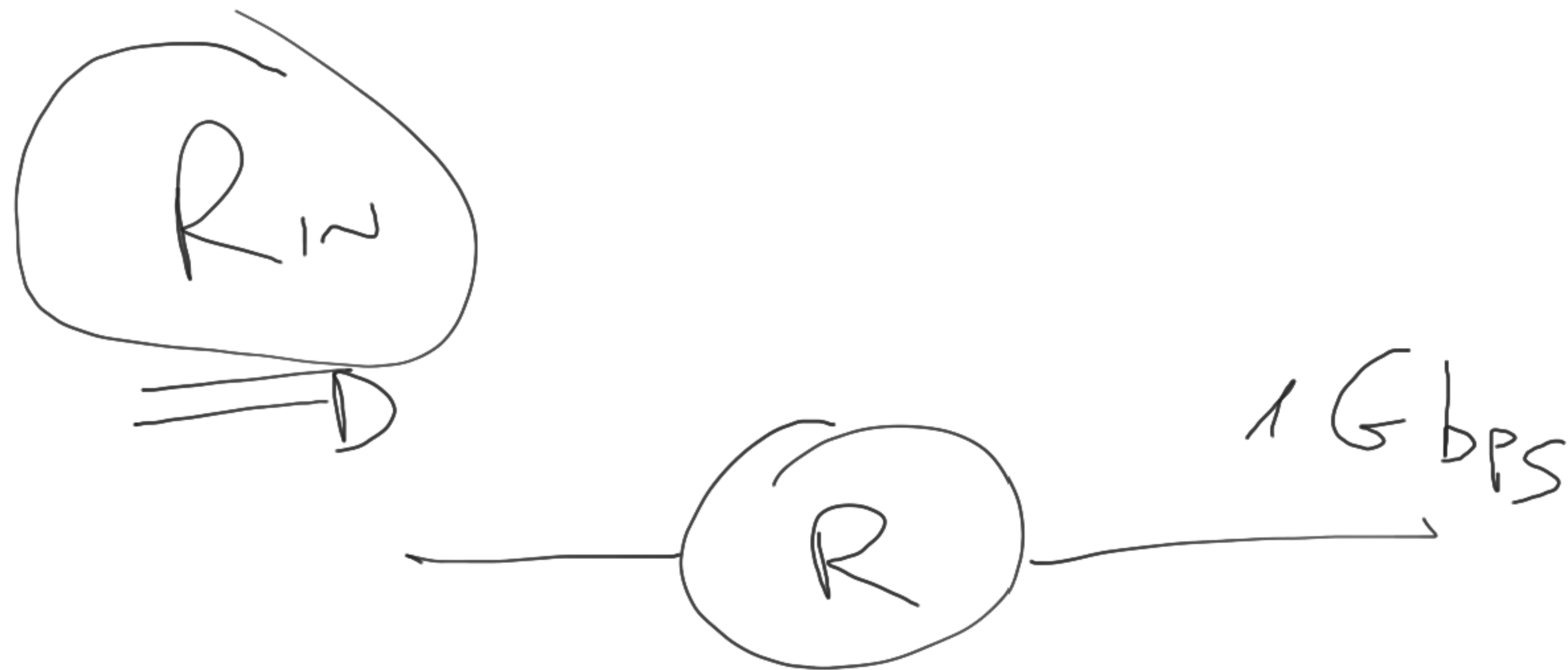
(idle)



$$P_{\text{on}} = 0,1$$

$$P_{\text{idle}} = 1 - P_{\text{on}} = 0,9 \quad \hookrightarrow P_{\text{on}} (1 - P_{\text{on}})^3$$

$$\binom{N}{k} P_{\text{on}}^k (1 - P_{\text{on}})^{N-k}$$



$$N = 35$$

$$P_{\text{rob}} \{ \text{All } n \text{ nodes are on} \} = \sum_{k=0}^N \binom{N}{k} P_{\text{on}}^k (1 - P_{\text{on}})^{N-k}$$