

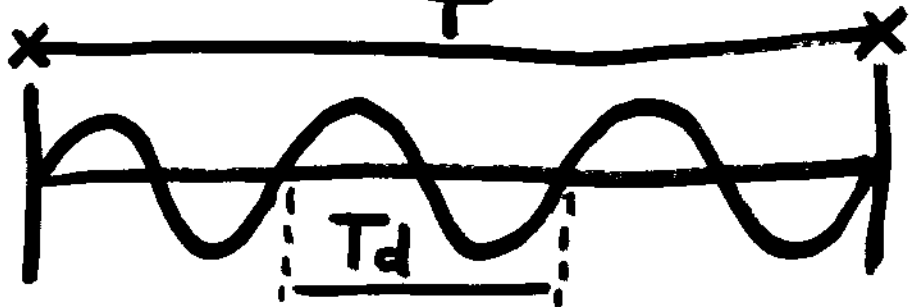
VOLTMETRO INTEGRATORE

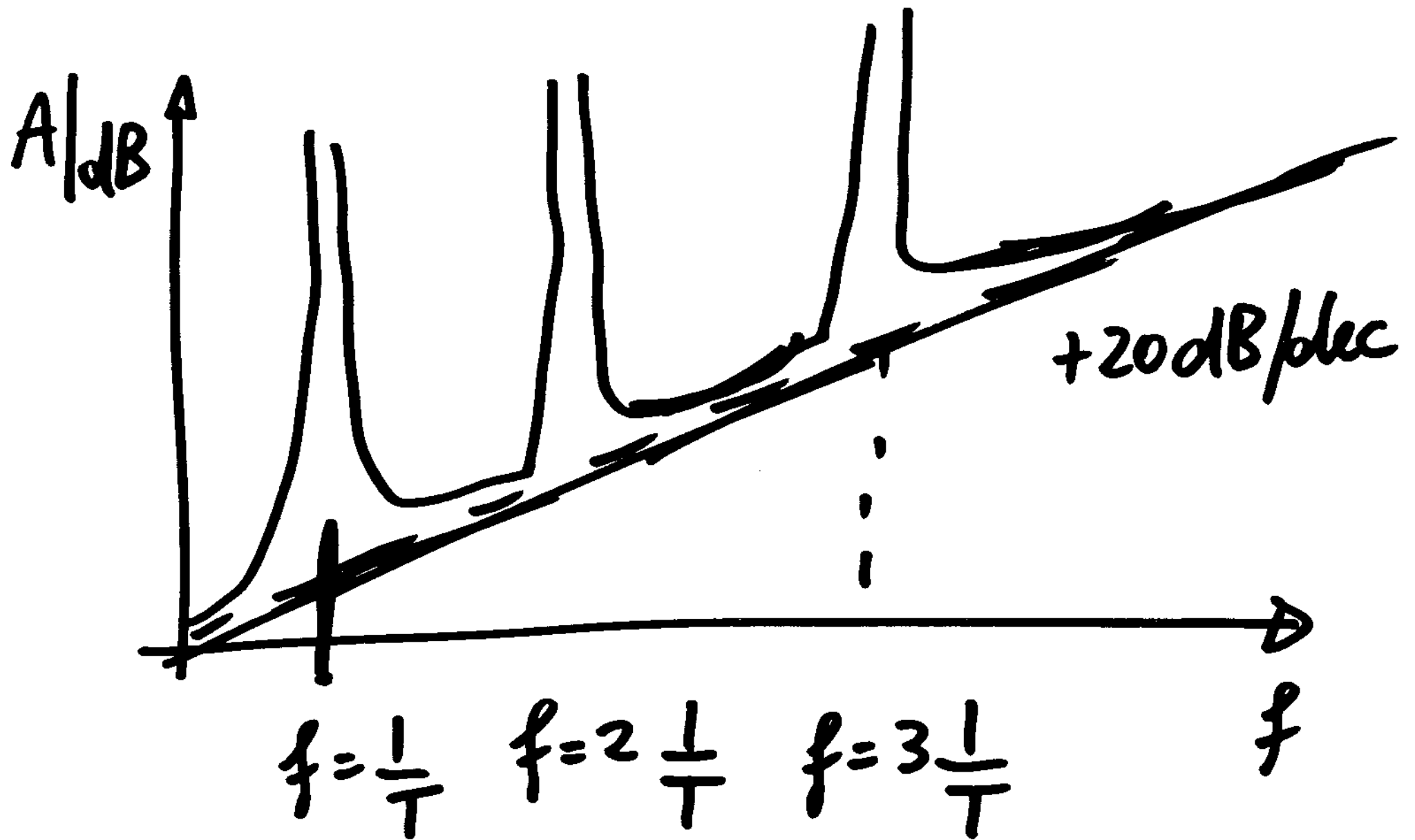
1) reiezione ∞ a f_{rete} e $K f_{rete}$

2) $A \geq 60 \text{ dB}$ a $f_2 = 1043 \text{ Hz}$

3) $A \geq 66 \text{ dB}$ $f_3 = 1927 \text{ Hz}$

$$T = n T_{rete} = n \frac{1}{f_{rete}} = n \times (20 \text{ ms})$$





$$A_1 = \frac{\pi f T}{|\sin(\pi f T)|} = \infty$$

$$\begin{aligned} \text{per } T &= K T_{\text{rete}} = \\ &= K \frac{1}{f_{\text{rete}}} = K (20 \text{ms}) \end{aligned}$$

$$A_2 \geq \frac{\pi f_2 T}{1} \geq 1000$$

$$A_3 \geq \frac{\pi f_3 T}{1} \geq 2000$$

$$1) \quad T = K T_{rete} = K \frac{1}{f_{rete}} = K (20 \text{ ms})$$

con K intero

$$2) \quad T \geq \frac{1000}{\pi f_2} \cong 305.2 \text{ ms}$$

$$3) \quad T \geq \frac{2000}{\pi f_3} \cong 330.4 \text{ ms}$$

$$\Rightarrow T_{(\sim) \min} = 340 \text{ ms} \rightarrow T = 0.5 \text{ s} \text{ va bene}$$

