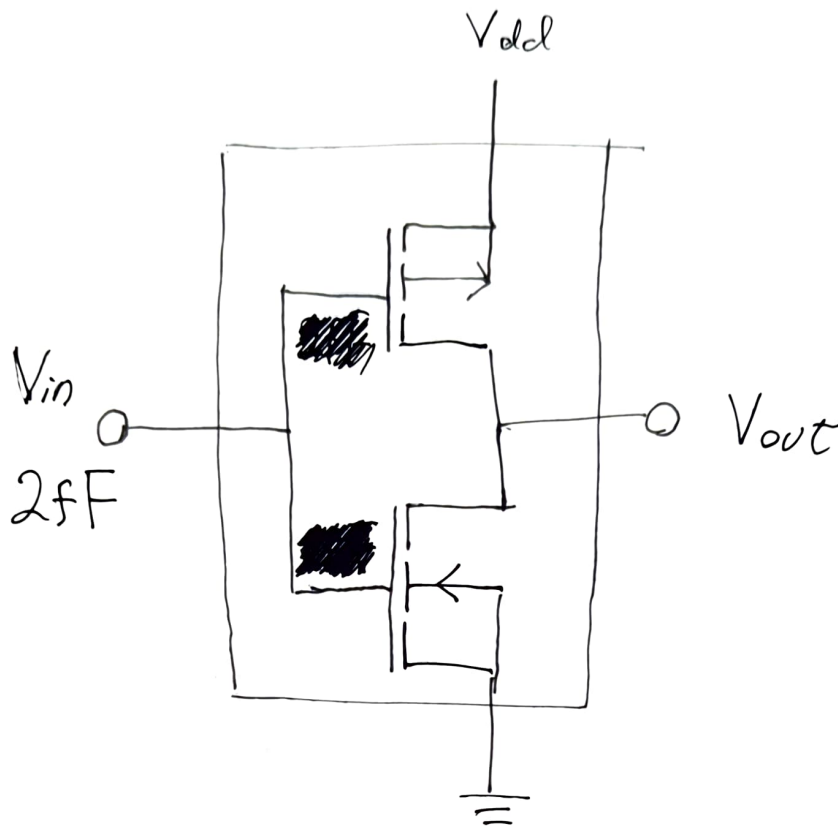
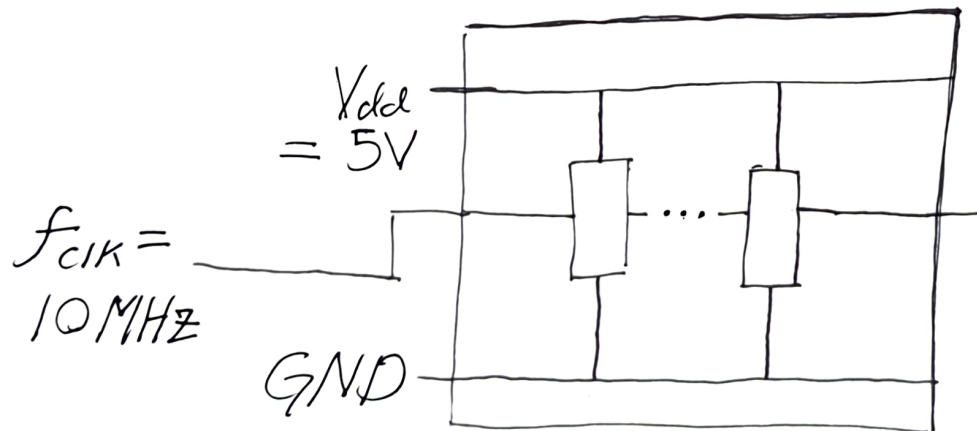


— CMOS Inverter —



— Circuit —



$$P = \frac{CV^2}{2} = \frac{2E-15 \cdot 5^2 \cdot 10E6}{2}$$
$$= 1E-9 \cdot 25 = 25 \text{ nW}$$

$$P_{\text{total}} = 25 \text{ nW} \cdot 100$$

$$= 2500 \text{ nW}$$

$$= 2.5 \mu\text{W}$$