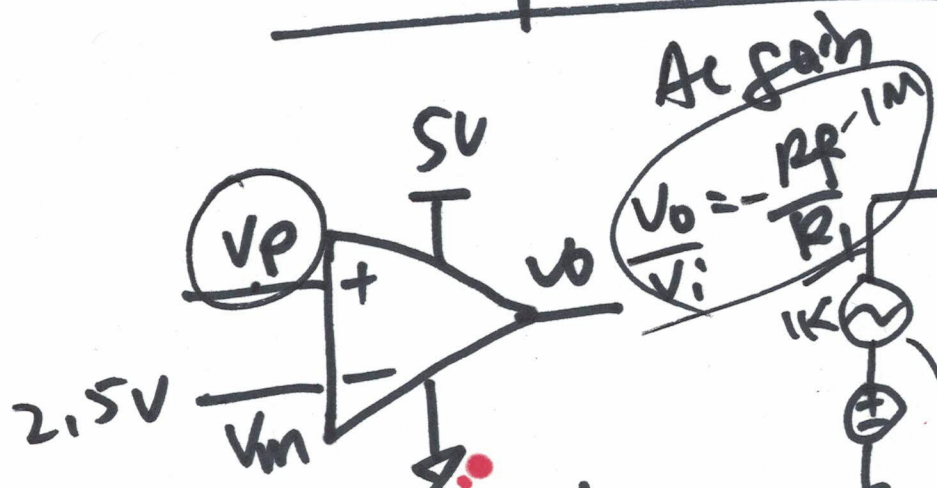


Comparator

Transformer + Voltage multiplier



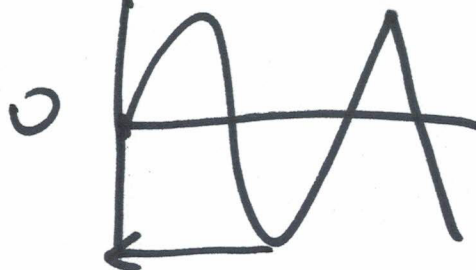
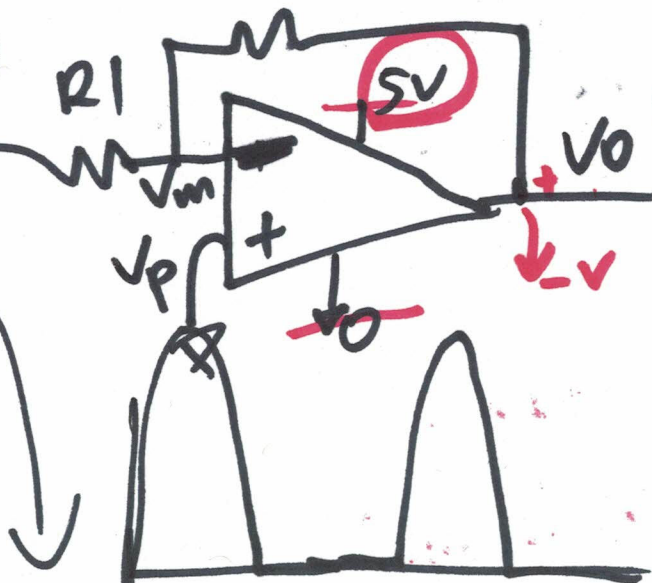
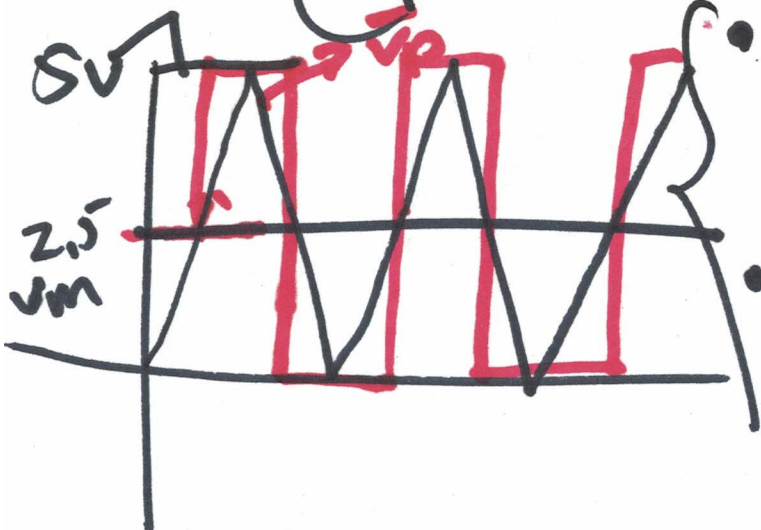
Ac gain

$$\frac{V_o}{V_i} = -\frac{R_f}{R_1}$$

$$(V_p - V_m) A_{OL} = V_o$$

• negative feedback

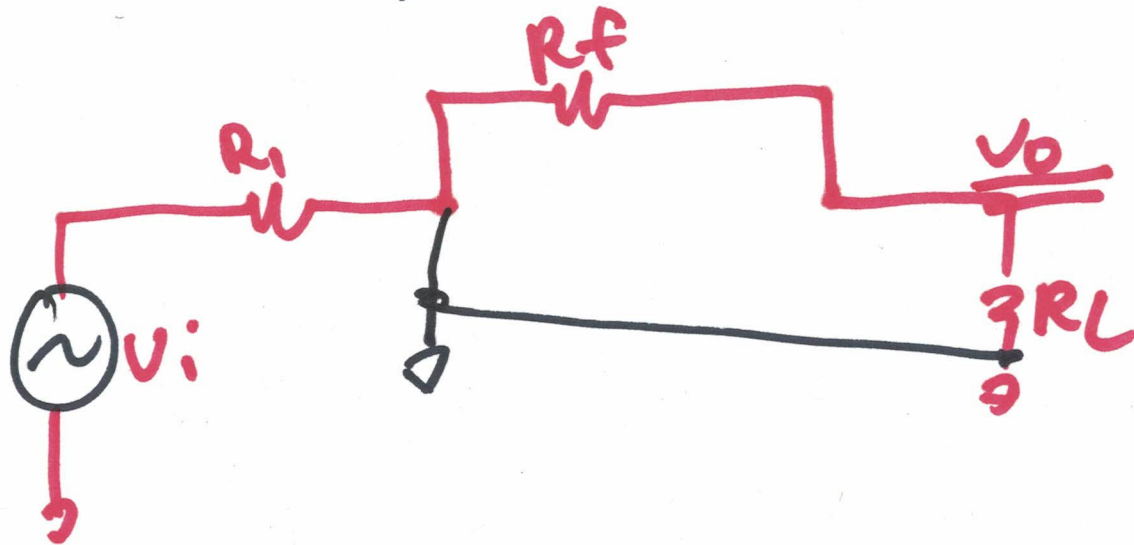
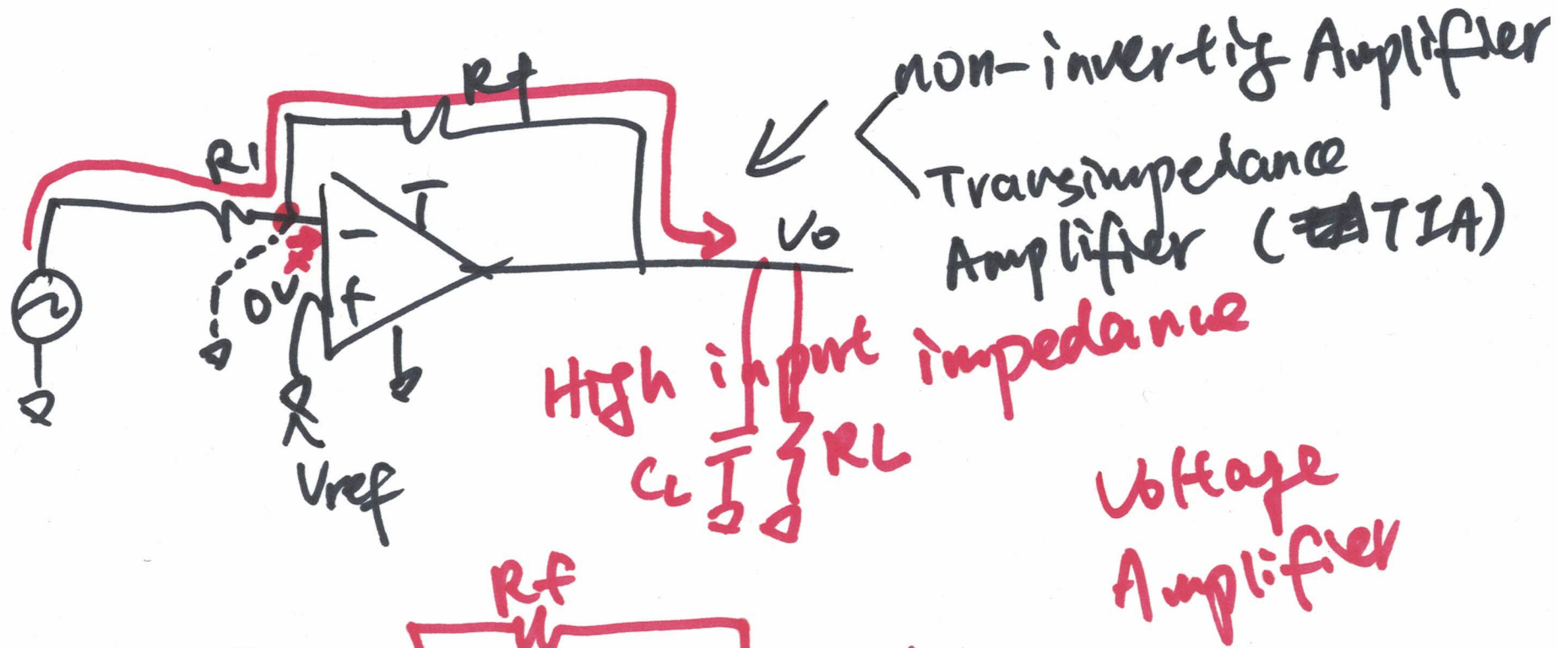
• Infinite open-loop gain



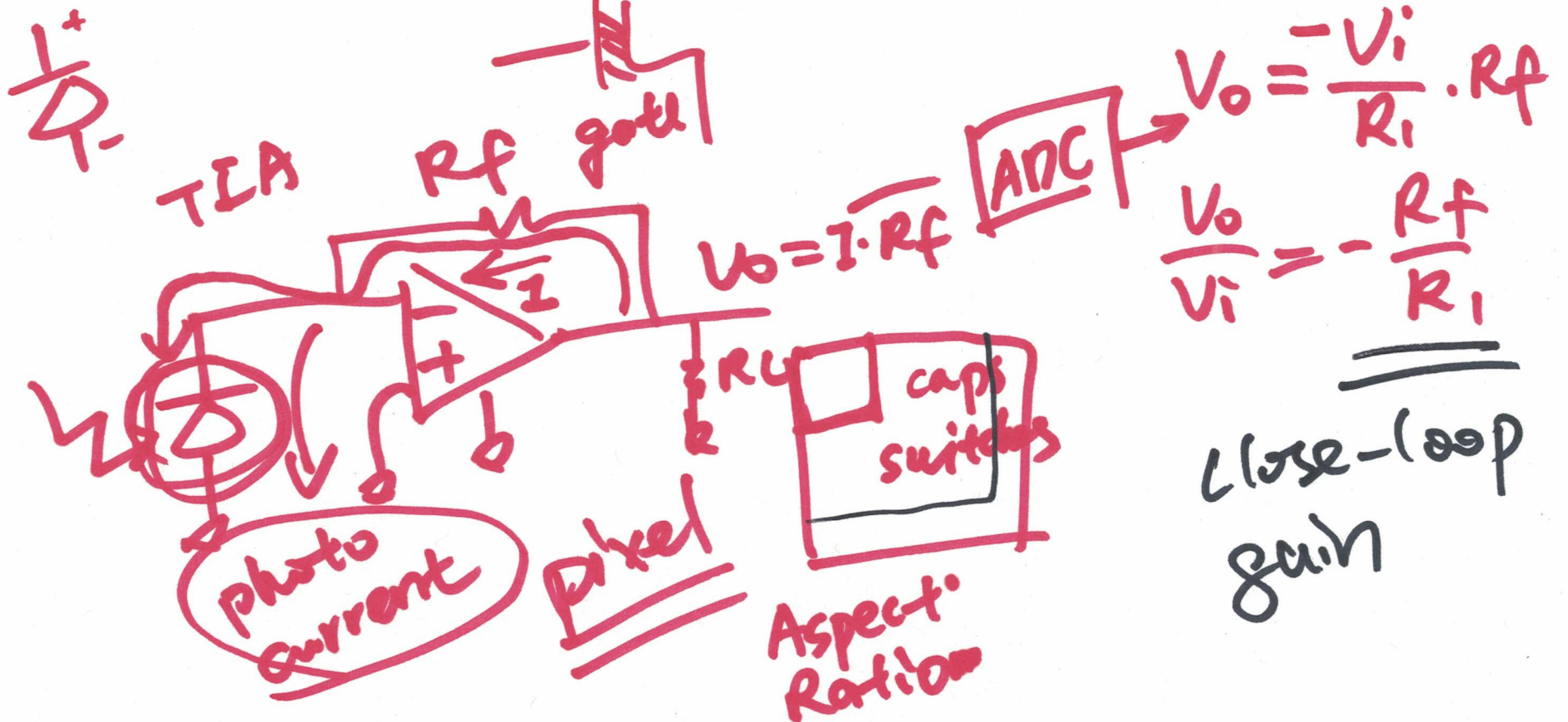
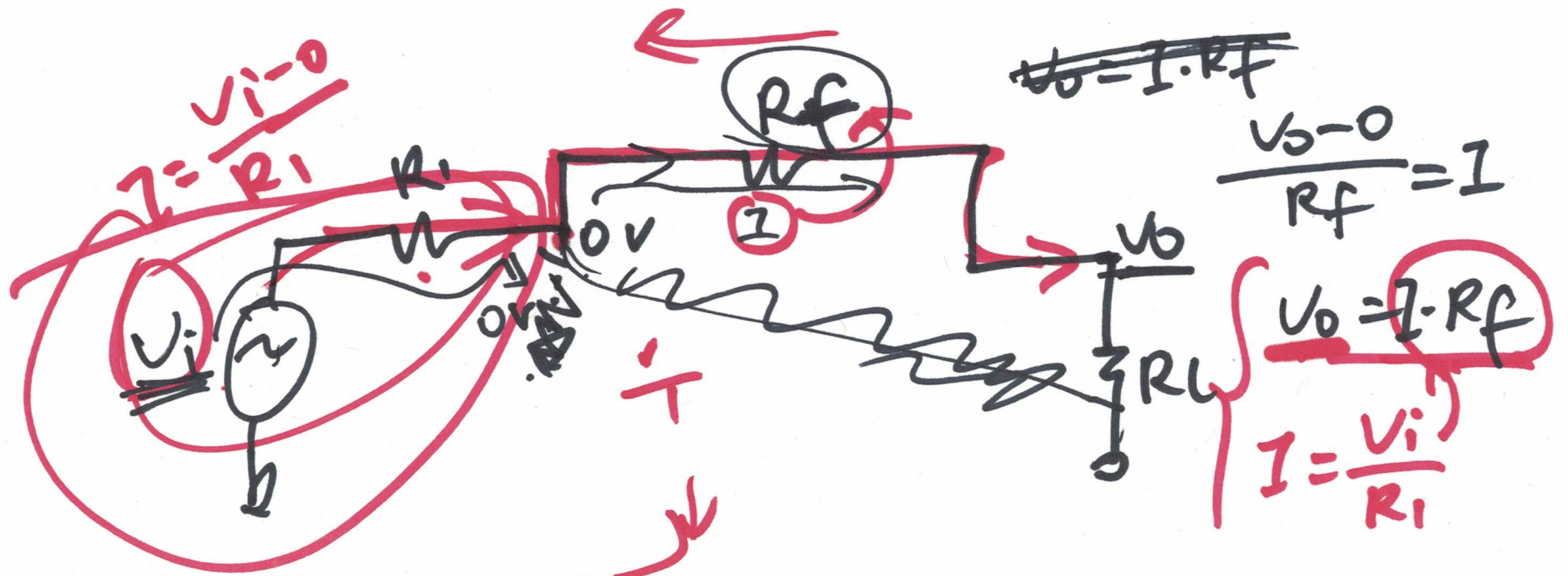
ideally ∞

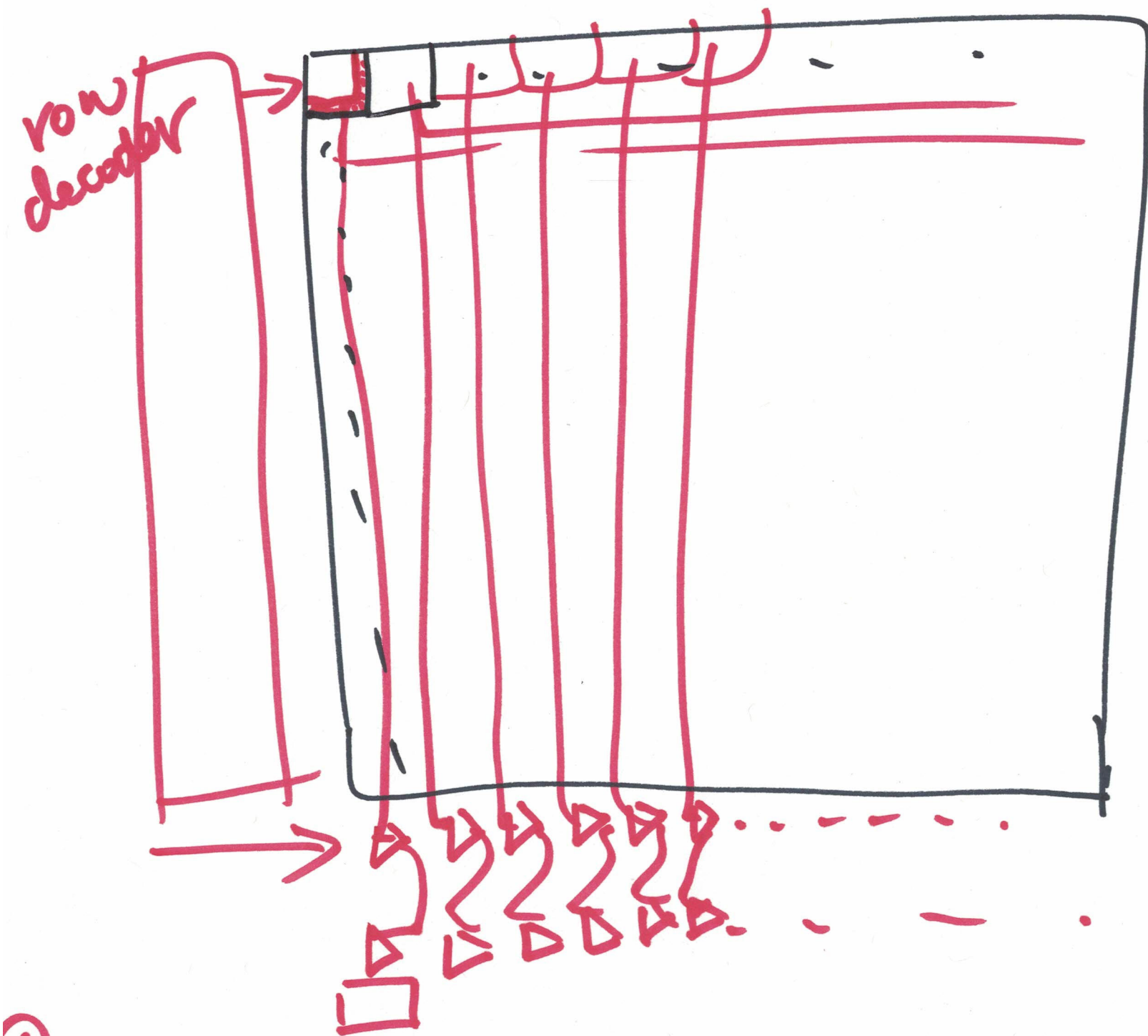
$$V_o = (V_p - V_m) \cdot A_{OL}$$

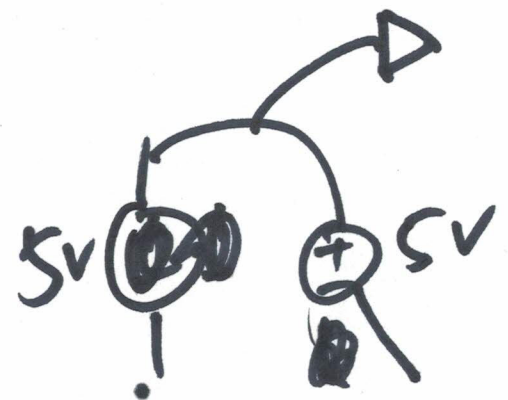
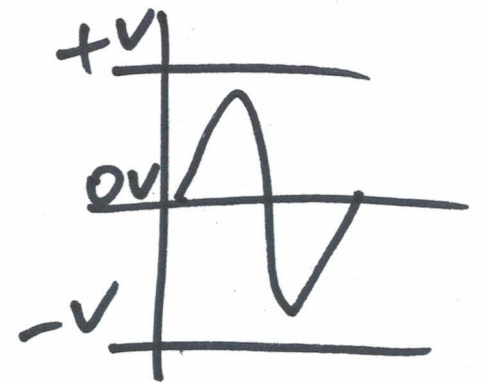
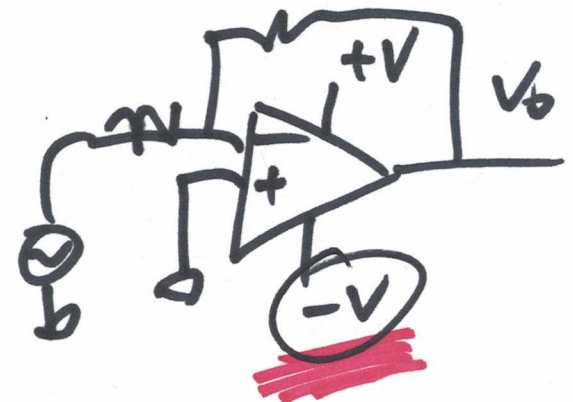
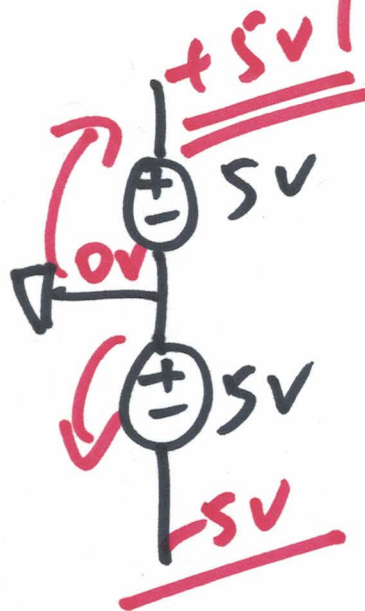
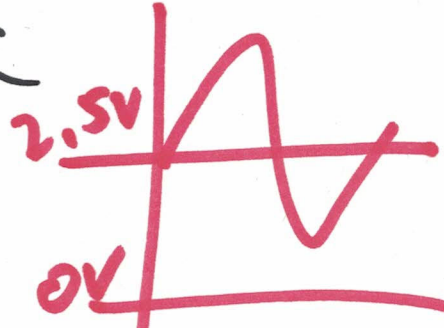
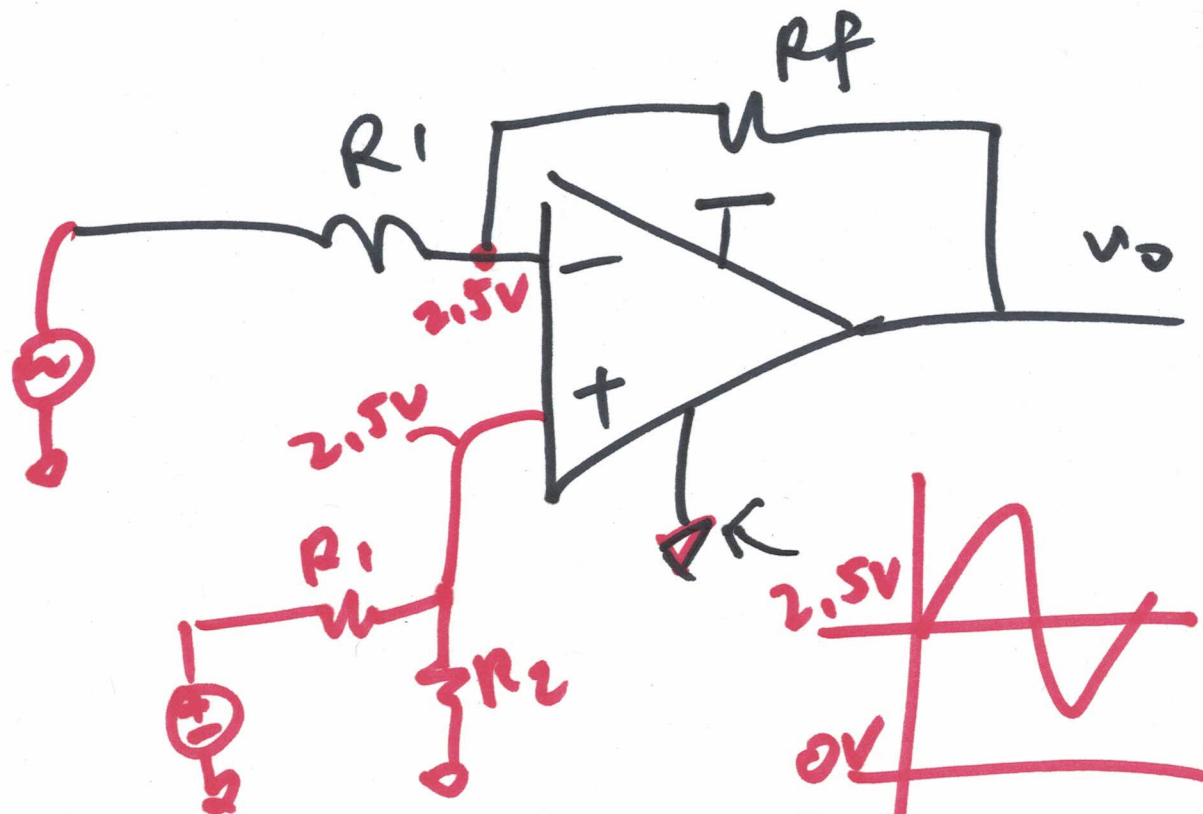
$\frac{+ \Delta}{- \Delta \times}$



②







(5)

