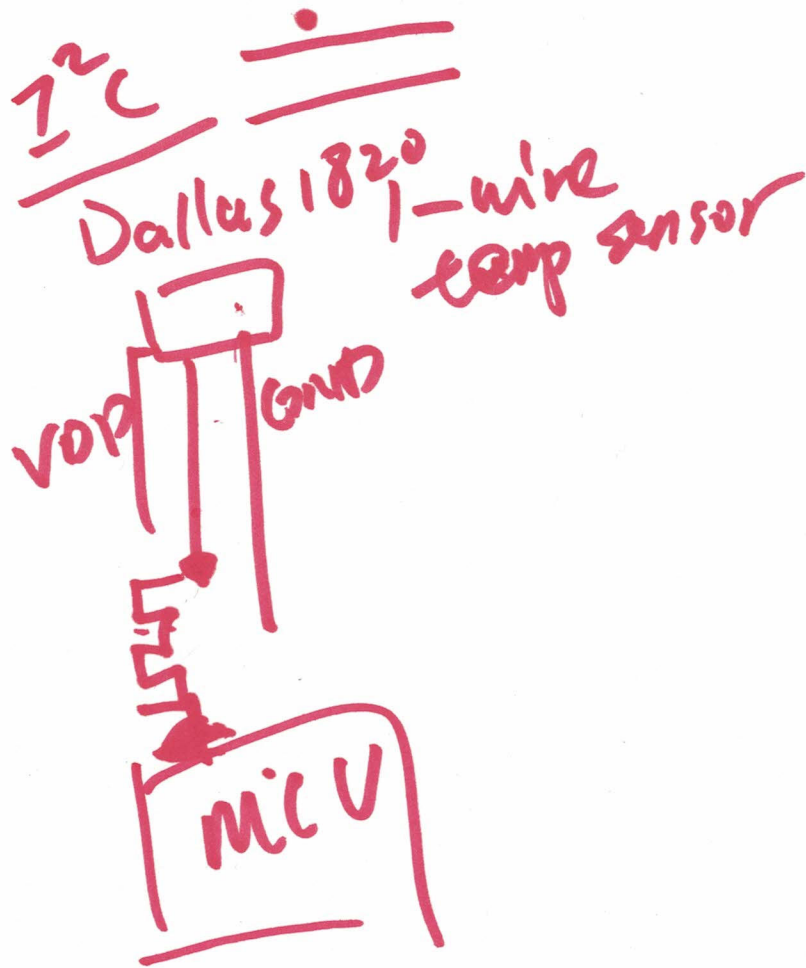
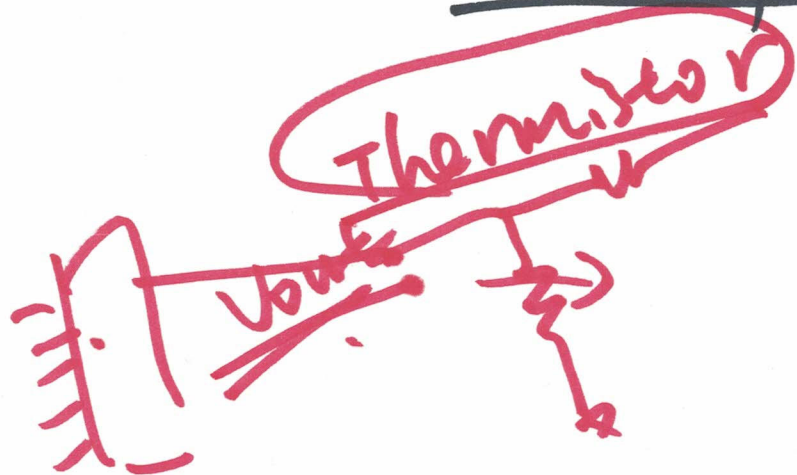
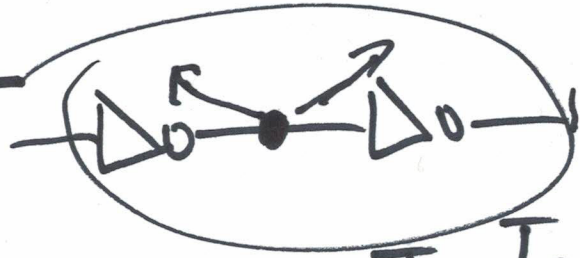
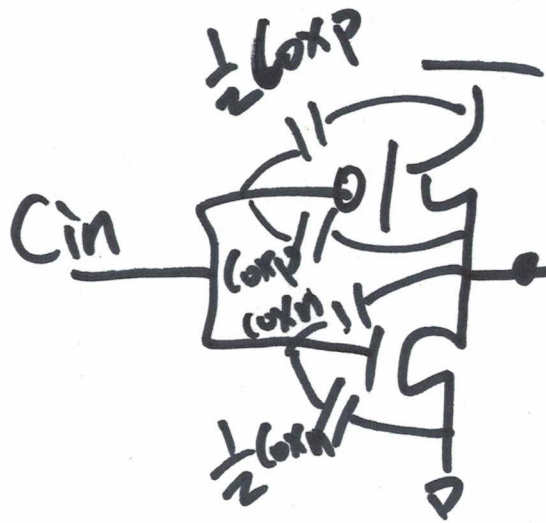


Microchip MCP3008

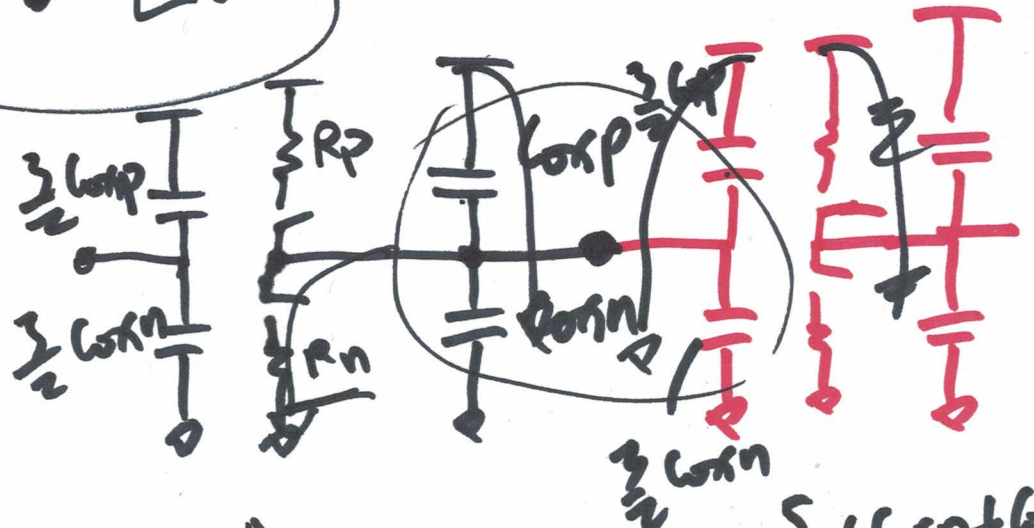


①

$$C_{in} = \frac{3}{2} C_{oxn} + \frac{3}{2} C_{oxp} = \frac{3}{2} (C_{oxn} + C_{oxp})$$



$$C_{out} = C_{oxn} + C_{oxp}$$



$$t_{PHL} = 0.7 \cdot R_n \cdot C_{tot}$$

$$t_{PLH} = 0.7 \cdot R_p \cdot C_{tot}$$

