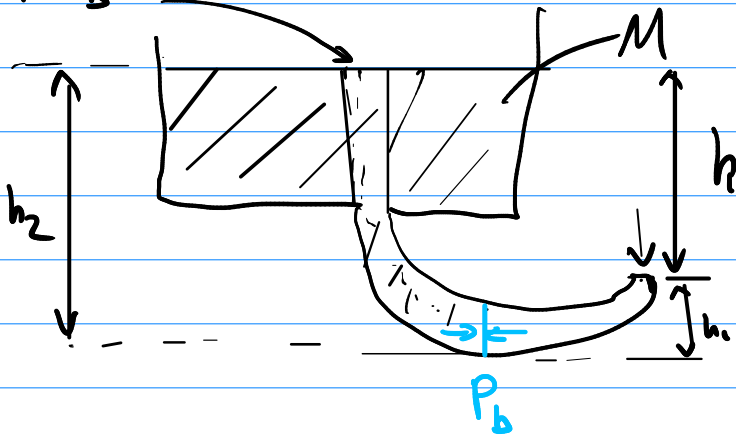


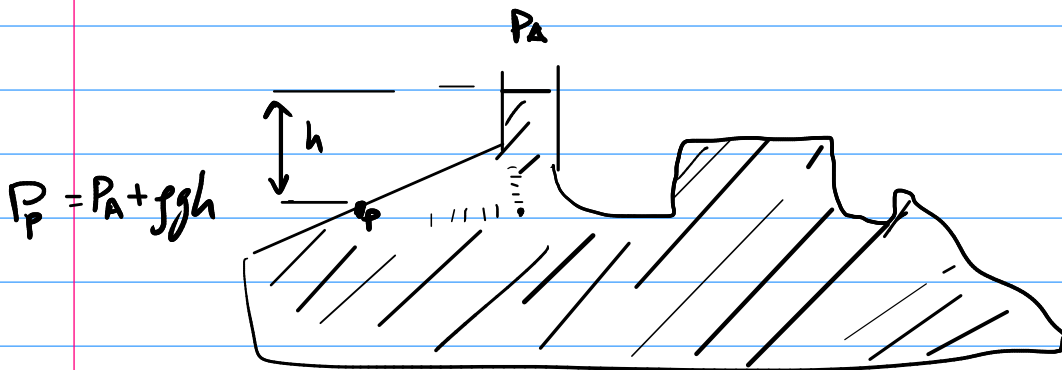
$$P = \rho g h + P_{atm} \Rightarrow F = P \cdot A = \rho g h A$$

$$= \rho V \cdot g = mg$$

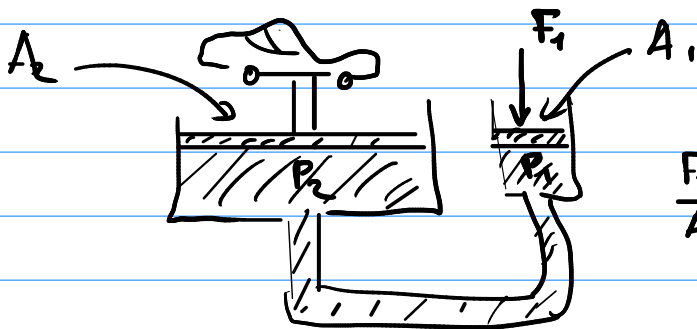
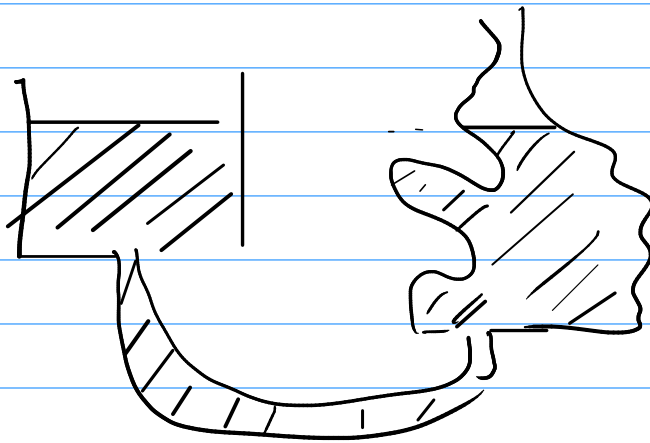
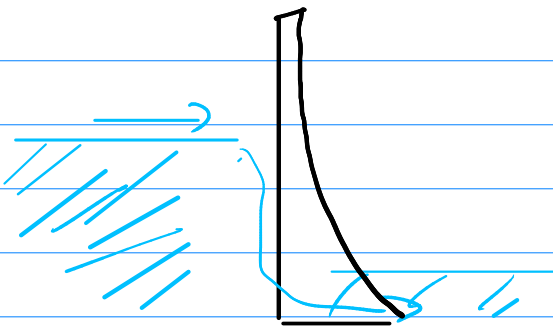
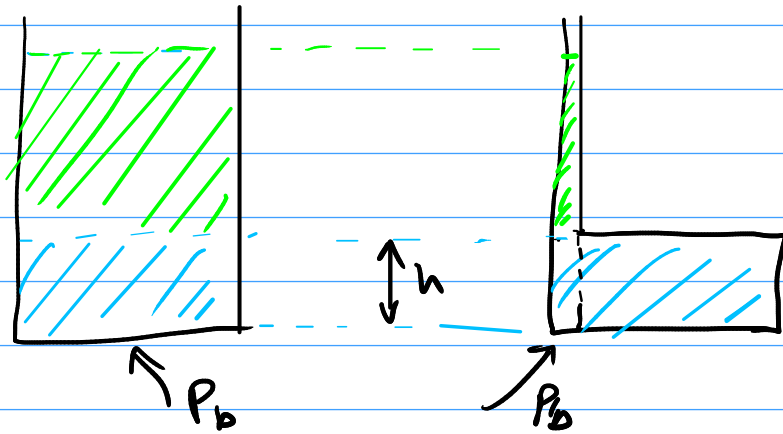
$$P_1 = P_2 - \rho g h_2 = P_{atm}$$



$$P_b - \rho g h_1 = \rho g \underbrace{(h_2 - h_1)}_h + P_{atm}$$



$$P = P_a + \rho g h$$



$$P_1 = \frac{F_1}{A_1}$$

$$\frac{F_2}{A_2} = P_2 = P_1 = \frac{F_1}{A_1}$$

$$F_2 = F_1 \cdot \frac{A_2}{A_1}$$

