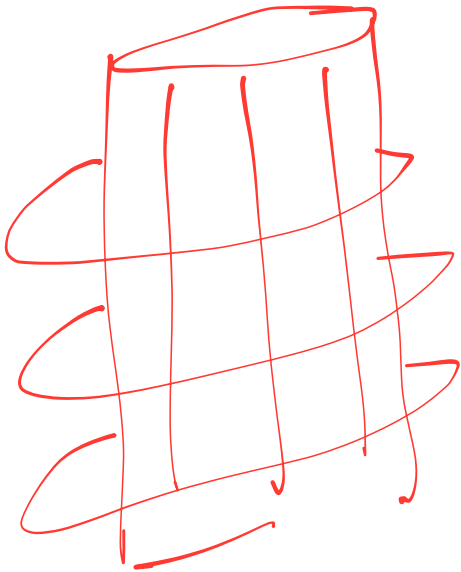
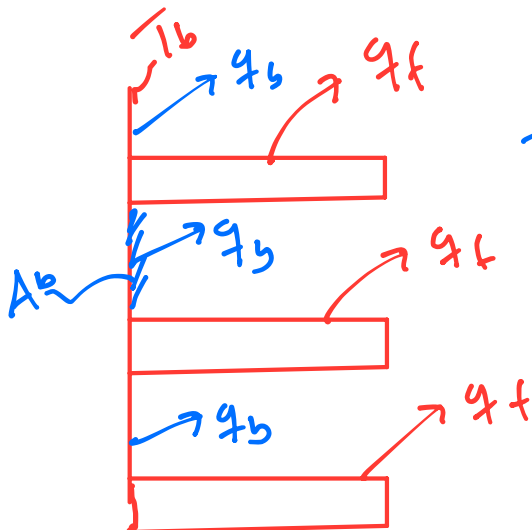


$$\theta = T - T_{amb}$$



$$\theta_b = T_b - T_f$$



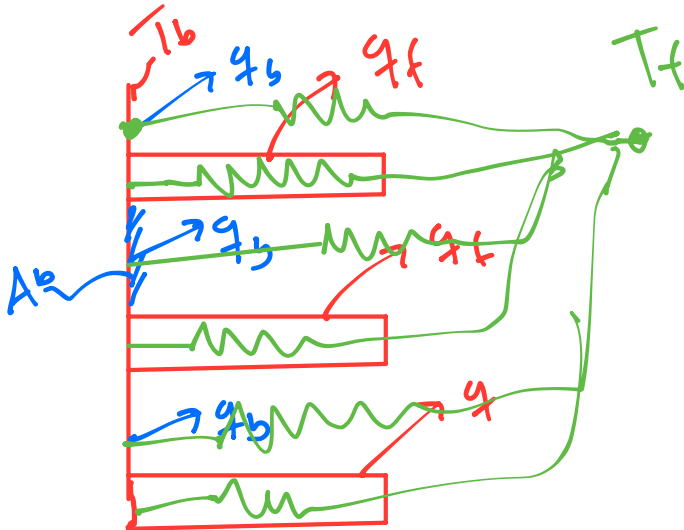
$$q_{TOT} = 3q_f + 3q_b$$

$$= 3q_f + 3hA_b\theta_b$$

$$q_f = \cancel{\eta} A_s \cancel{\theta_b}$$

$$\eta_f = \frac{q_f}{h A_s \Theta_b}$$

$$q_f = \frac{\Theta_b}{\left( \frac{1}{h A_s \eta_f} \right)} \rightarrow R_f$$



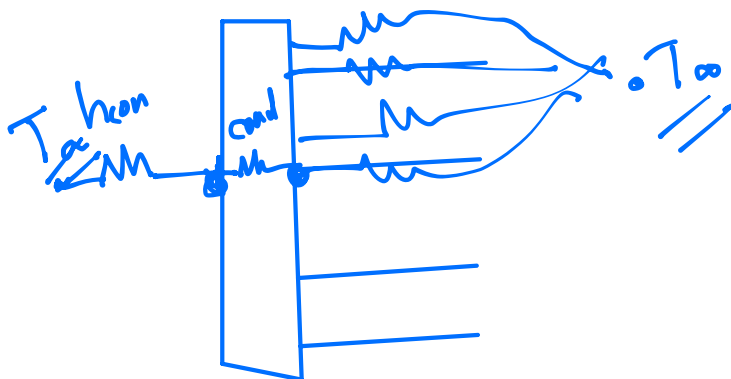
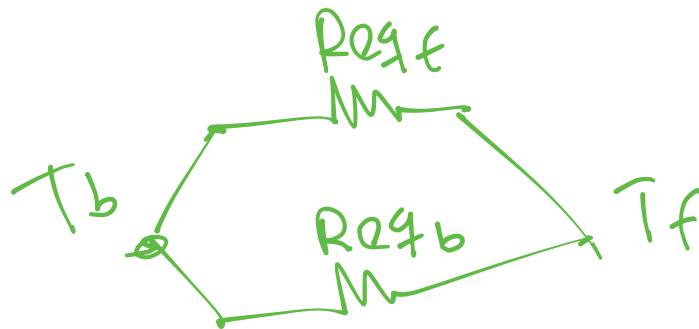
$$\frac{1}{R_{eqf}} = 3 h A_s \eta_f$$

$$R_{eqf} = \frac{1}{3 h A_s \eta_f}$$

$$\frac{1}{R_{eq}} = \sum \frac{1}{R_i}$$

$$\frac{1}{R_{eqb}} = 3 h A_b$$

$$R_{eqb} = \frac{1}{3 h A_b}$$



$$q = \frac{T_u - T_{\infty}}{R_{eq}}$$

