

POWER BONUS

$$E_p = K \cdot P = K \cdot \alpha \cdot Q_1$$

$$E = \frac{Q_1 + P}{\eta} = \frac{Q_1(1 + \alpha)}{\eta}$$

$$PE_{FP} = K \quad P = \alpha Q_1$$

$$E_0 = E - E_p$$

$$PE_{Fa} = \frac{E_0}{Q}$$

$$E_Q = \frac{Q_1(1 + \alpha)}{\eta_{chp}} - K \alpha Q_1$$

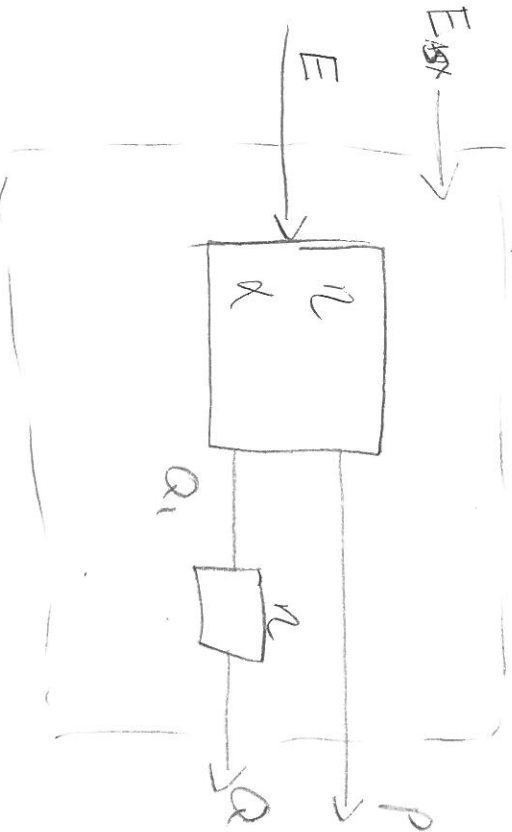
$$E_Q = Q_1 \left[\frac{(1 + \alpha)}{\eta_{chp}} - K \alpha \right]$$

$$\frac{E_Q}{Q} = Q_1 \left[\frac{(1 + \alpha)}{\eta_{chp}} - K \alpha \right]$$

$$Q_1 \cdot \eta_{chp}$$

$$\frac{\frac{Q}{b}}{\frac{c}{a}} = \frac{a d}{b c}$$

$$Q = Q_1 \cdot \eta_{chp}$$



$$\frac{PE_{Fa}}{PE_{FP}} = \frac{\eta_{chp} \left[\frac{(1 + \alpha)}{\eta_{chp}} - K \alpha \right]}{K}$$

$$\eta_{chp} \left[\frac{(1 + \alpha)}{\eta_{chp}} - K \alpha \right]$$

$$= \frac{1 + \alpha - K \eta_{chp} \cdot \alpha}{\eta_{chp} \cdot \eta_{chp}} = \frac{1 + \alpha(1 - K \eta_{chp})}{\eta_{chp} \cdot \eta_{chp}}$$