

$$Q_{eq} = N C_V \Delta I$$

$$Q_{ca} = (0.25)(20.775)(1173.7 - 145.8)$$

$$Q_{ca} = (0.25)(20.775)(1027.9)$$

$$Q_{ca} = 5338.6 I$$
Se code en el proceso be
$$T_b = P_b V_b \quad (1.515.10^5)(0.009) \quad (56.5 \text{ K})$$

$$NR \quad (0.25)(8.31)$$

$$Q = N C_P \Delta I = (0.25)(29.08)(145.8 - 656.3)$$

$$Q = -3711.3 I$$

$$N = Q_{abs} - Q_{ced}$$

$$N = 5338 - 3711.3 = 1626.7 I$$

$$Q_{ab} \qquad 5338.6$$