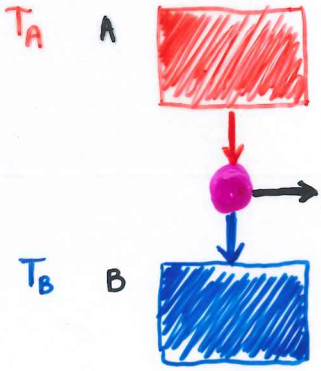

$$\delta W = \delta Q_A - \delta Q_B \quad *$$

$$\delta W = \delta Q_1 - \delta Q_2$$

$$\int \delta W = \int \delta Q_1 - \int \delta Q_2 \Rightarrow \boxed{W = Q_1 - Q_2}$$

HAUXE DA KALKULATU BEHARREKOA

$$\delta Q_i = T_i \, dS_i \Rightarrow dS_i = \frac{\delta Q_i}{T_i} \qquad i = 1,2$$

$$\delta Q_i = C_i \, dT_i$$

$$\boxed{dS_i = \frac{C_i}{T_i} dT_i} \qquad C_i = kte$$

$$\boxed{dS_0 = 0} \Rightarrow dS_0 = dS_1 + dS_2 \Rightarrow dS_1 + dS_2 = 0$$

BALDINTZA!!

$$\frac{C_A}{T_A} dT_A + \frac{C_B}{T_B} dT_B = 0$$

$$C_A \ln \frac{T_f}{T_A} + C_B \ln \frac{T_f}{T_B} = 0 \Rightarrow \left[\frac{T_f}{T_B}\right]^{C_B} = \left[\frac{T_A}{T_f}\right]^{C_A} \Rightarrow \boxed{T_f = \left[T_B^{C_B} \, T_A^{C_A}\right]^{\frac{1}{C_A + C_B}}}$$

$$Q_A = -C_A (T_f - T_A)$$

$$Q_B = C_B (T_f - T_B)$$

$$\boxed{W = \left[-C_A (T_f - T_A)\right] - \left[C_B (T_f - T_B)\right]}$$

T_f

* BAIO GUZTIAK POSITIBOAK DIRA, BADAKIGULAKO ZEIN NORANZKOAK DIREN !!! (GEZIAK)