$$+ \sum_{A=1}^{A-2} \frac{1}{2626.8} = \frac{Q_{0}}{\log} = \frac{Q_{0}}{\log}$$

b)
$$T_{IKF} = \frac{\int_{e}^{q} T_{cls}}{S_{q} - S_{e}} = \frac{\int_{KF}^{q_{MI}} (S_{e} - S_{q})}{S_{q} - S_{e}} = \frac{\int_{KF}^{q_{MI}} (S_{e} - S_{q})}{\int_{KF}^{q_{MI}} (S_{e} - S_{q})} = \frac{\int_{KF}^{q_{MI}} (S_{e} - S_{q})}{\int_{KF}^{q_{MI}}$$

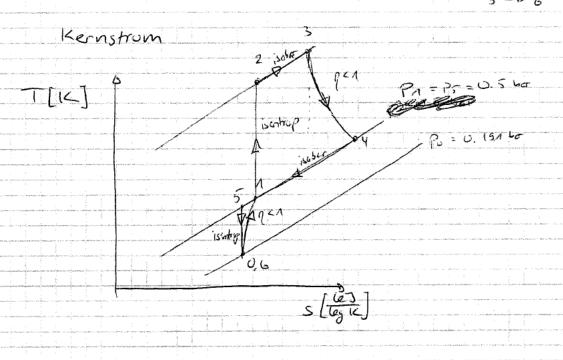
c)
$$\hat{S}_{err} = ?$$

$$\frac{\hat{Q}_{i}}{7} + \hat{S}_{err} = 0 \quad 0 \quad \hat{S}_{err} = -\left(\frac{\hat{Q}_{ins}}{7}\right) = -\left(\frac{62 \text{ skW}}{235 \text{ K}}\right) + \left(\frac{62 \text{ skW}}{235 \text{ K}}$$

d)
$$\frac{1}{2} = \frac{1}{2} = \frac$$

$$= 4/1.04 = +0.005 \cdot 2257 = 430.325$$

$$-D \Delta W_{A2} = \frac{57556_{1} \left(2626.8 \frac{67}{6y} - 430.325 \frac{67}{6y}\right) - 35'00065}{2538.4 \frac{67}{6y}} = 4966.59 \frac{6}{6y}$$



$$70 = \frac{1}{16} = \frac{1}{15} \cdot \left(\frac{96}{125}\right)^{\frac{n-1}{n}} = 328.07 \text{ K}$$

c)
$$\Delta e_{x,str} = e_{xstr,6} - e_{xstr,0}$$

 $e_{xstr,6} - e_{xstr,0} = u h_6 - h_6 - f_6(s_6 - s_5) + \frac{w_6}{2} - \frac{w_6^2}{2}$

$$h_{6}^{A-27} = 328.4 \frac{G}{G}, \quad \omega_{6} = 510 \frac{M}{5}, \quad \omega_{6} = 340 \times 10^{-22} (243.15 - 240) \times (250.07 - 240.02) + 240.02$$

$$h_{6} = \frac{(270 - 240) \times (250.07 - 240.02)}{(270 - 240) \times (250.07 - 240.02)} + 240.02$$

$$\Delta e_{x,str} = \left[c_{p}(T_{6} - T_{6}) - T_{0} \cdot (c_{p} \cdot I_{n}(\frac{T_{6}}{T_{0}}) - 2 \cdot I_{n}(\frac{P_{6}}{P_{0}}) + \frac{\omega_{0}^{2}}{2} - \frac{\omega_{0}^{2}}{2} \right]$$

$$= \left[1006 \frac{6J}{6JK} \left(340K - 243.15K \right) - 243.15K \left(1.006 \frac{LJ}{6JK} \cdot I_{n}(\frac{340K}{243.15K}) - 24n(1) \right) + \frac{(510\frac{LJ}{5})^{2}}{2} \left(\frac{200\frac{LJ}{5}}{2} \right)^{2} = 121271.8 J = 121.27 \frac{220LJ}{2}$$

cd)
$$e_{\chi_1 \cup e_1} = \overline{\iota_0} \cdot S_{e_1}$$
 $w_{g_1} = w_{g_2} + 5.253 w_{\chi}$
 $S_{e_1} = \overline{D} \cdot S_2 - S_1 = \overline{Z} = \overline{T_i} + 0$ $S_{e_1} = S_{e_2} + 0$ $S_{e_2} = 0.84M$

$$-9.5_{852} = 5_{6} - 5_{0} - \frac{98}{78} = 9000 - 910 - 216 - \frac{98}{70} - \frac{98}{70}$$

$$= 1.006 - \frac{340}{69} - \frac{340}{70} - \frac{115}{70} - \frac{98}{70} - \frac{9$$

d) Tei, 2 = Ta, 2 = 0.003°C

DE = E2 - E1 = Q12 = 15005

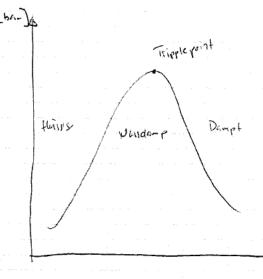
 $\Delta U_{12} = 800 1500 7 = m \cdot (u_2 - u_1) = m \cdot ((x_2 \cdot u_{2, lest} + (1 - x_2) \cdot u_{2, lussing} - (x_1 \cdot u_{2, lest} + (1 - x_1) \cdot u_{2, lussing})$

-5 X + (X) Untest + (1-X) Unfussis) = X Untes + (1-X2) Uz, finssiz

 $-0 \times_2 = \left(\frac{\Delta u_{n2}}{m} + \left(\times_1 \cdot u_{nfest} + (1 - \times_1) u_{nfest} \right) - u_{nfest} - u_{nfest} - u_{nfest} - u_{nfest} \right)$

x2 = 0.555





T[K]

 $P_3 = 8bar$ $h_2 = 8bar$ $S_2 = S_3 - 5S_3 = 8bar$

b)
$$W_{K} = 28W$$
 $p_{3} = 8bar$
 $h_{3} = 8$
 $2 = 8g$
 $0 = w[h_{e} - h_{a}] - W_{K}$
 $v_{K} = w[h_{1} - h_{3}]$
 $v_{K} = h_{1} - h_{3}$

c)
$$x_1 = ?$$

 $x_2 = \frac{h_1 - h_2 + h_3 + h_4}{h_2 - h_3 + h_4}$