Autgabe 1)

(a)
$$\frac{\partial E}{\partial t} = \frac{1}{2} m_i(t) \left[h_i(t) + y_e(t) + y_e(t) \right] \cdot \left[\frac{\partial C}{\partial t} (t) - \frac{\partial C}{\partial t} (t) \right]$$

(b) $C = m(h_e - h_a) + C_{iR} - C_{aus} = t$

(c) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t) + c_{iR}(t)$

(c) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t)$

(d) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t)$

(e) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t)$

(e) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t)$

(f) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t)$

(g) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t)$

(g) $C_{iR}(t) = m(h_e - h_a) + C_{iR}(t)$

(h) $C_{iR}(t) = m(h_e - h_a)$

(h) C_{i

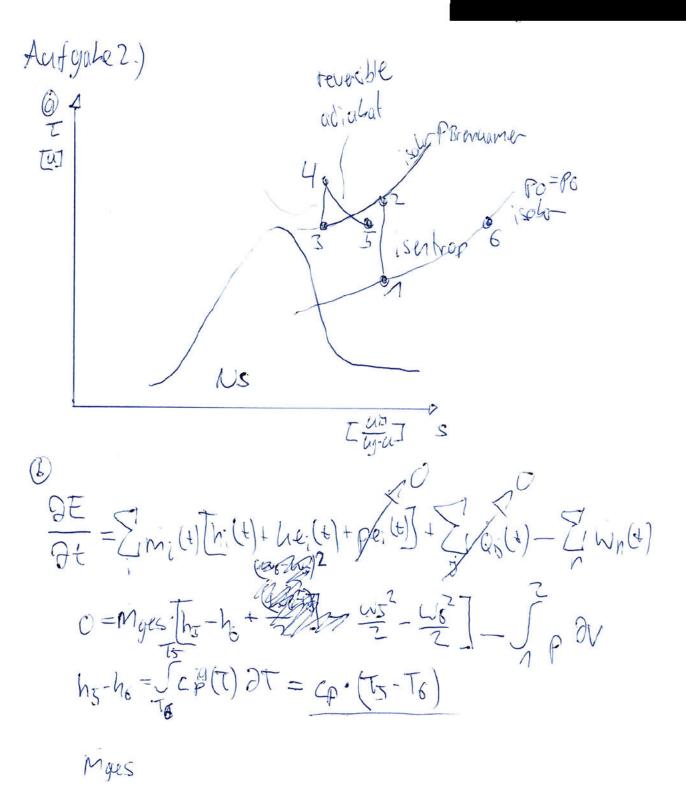
$$\overline{T}_{UF} = \frac{\int_{e}^{a} T \, \partial s}{S_{a} - S_{e}} = \frac{h_{a} - h_{e}}{S_{a} - S_{e}} = \frac{\int_{e}^{c_{i}} (T) \, \partial T}{\int_{e}^{c_{i}} (T) \, \partial T} = \frac{\chi \cdot (T_{2} - T_{1})}{\chi \cdot \int_{e}^{c_{i}} (T) \, \partial T} = \frac{\chi \cdot (T_{2} - T_{1})}{\chi \cdot \int_{e}^{c_{i}} (T) \, \partial T}$$

$$C = \frac{\sum_{i=1}^{2} c_{i}}{c_{i}} + Serz = 0 Serz = -\frac{c_{i}}{c_{i}} = \frac{c_{i}}{c_{i}} = \frac{c_{i}} = \frac{c_{i}}{c_{i}} = \frac{c_{i}}{c_{i}} = \frac{c_{i}}{c_{i}} = \frac{$$

DE = Z mi(6) [hi(6) + 4x.(6) + pe; (6)] + Z O5(6) - Z win (6) 1E = M2U2 - M, U1 = 2 Qi = Causi2 = 35MD m=m1+Am / m= 57554g / mg = X·m1/m1=m1(1-x)/m3=Am U, [200°] = 2506,5 40 Ung[100°] = 4/8,94 tig Uzf[76°C] = 29295 40 U34 [200] - 83,95 W 1= m3: 43 + m2: 42 - m, 4 = 35MJ = DM U3 + My 4 + AMU2 - My U1 sm= my -my 1/2 = my · Uz + my · Uz - m, · Uz + 35MD 0,005.5755hg.25065 hg + 5755hg. (1-0,605). 418,94 hg - 5755hg.292,95hg

83,95 hr + 292,95 hr

AMM = 217-6,07 lig 15=m252-m151-20mis; + 2 26 + Serz Serz = Drupe - Saz + 10.



0

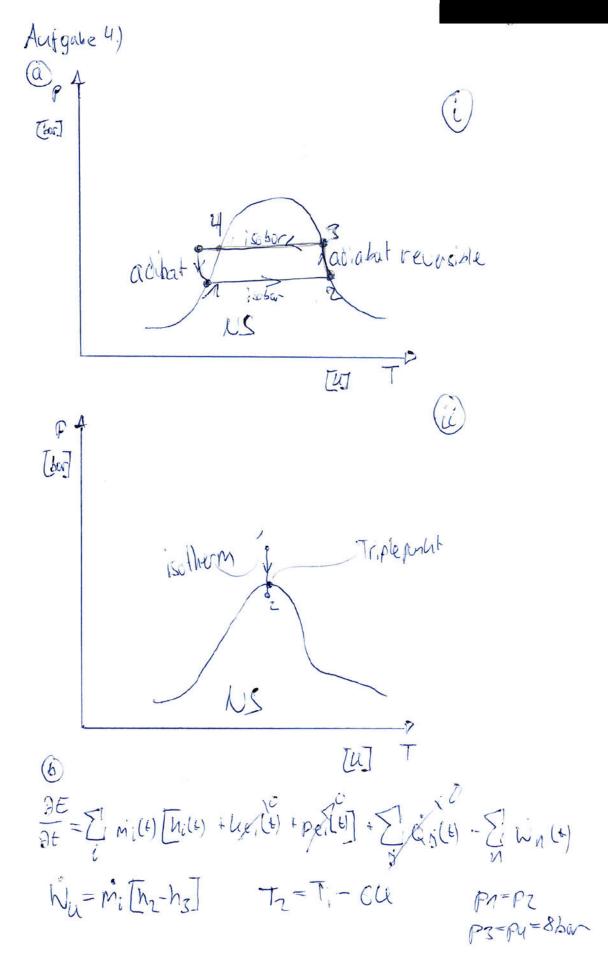
Exvert = To. Sez

Aufgale 3.)

$$P_{1} \cdot V_{1} = m_{1} \frac{R}{M} \cdot t_{1}$$
 = $m_{1} = \frac{P_{1} \cdot V_{1}}{M} = \frac{140 w_{0} \cdot 0.0314 m^{3}}{(773150) \cdot 67314 \frac{w_{0}}{m} \cdot c} = \frac{140 w_{0} \cdot 0.0314 m^{3}}{50 u_{0} \cdot c}$

=0.003419431 leg

 $\Delta E = M_2 U_2 - M_1 U_n = Q_{nn} = M \cdot (U_1 - U_n)$ $U_2 \left[\overline{G_1 CO3} \circ C \right] =$



$$\mathcal{E}_{\alpha} = \left| \frac{\dot{Q}_{zu}}{\dot{W}_{+}} \right| = \frac{|\dot{Q}_{zu}|}{\dot{Q}_{ab} - |\dot{Q}_{zu}|}$$

€ T; sinht nach dem alles Sultimient wurde