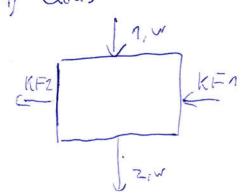


9) Qous



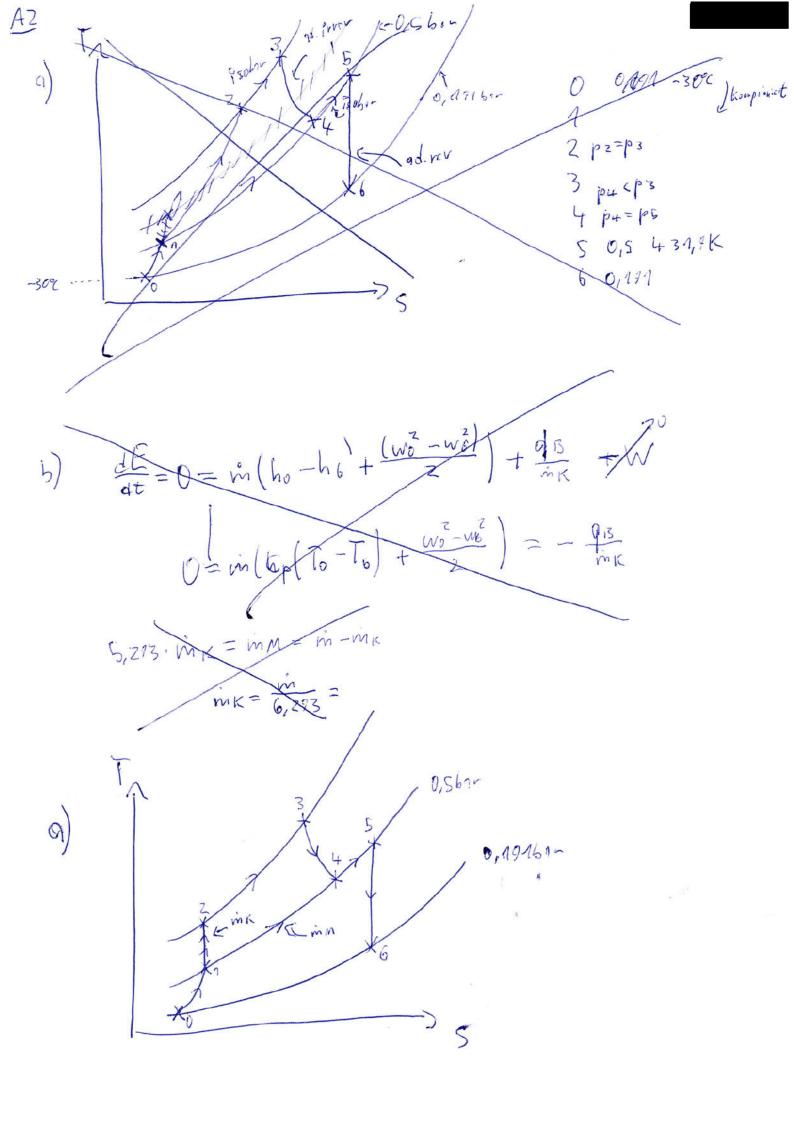
$$m_z u_z - m_z u_z - \Delta m_\phi h_\phi = Q$$

 $(m_1 + m_\phi) u_z - m_z u_z - \Delta m_\phi h_\phi = Q$

 $\frac{A1}{d)^{F.F.}} m_1 n_2 + m_0 (n_2 - h_0) - m_1 n_1 = Q$ $m_0 = \frac{Q + m_1 (n_2 - n_2)}{n_2 - h_0}$ $m_1 = 5755 kg$ $T_1 = 100\%$ $T_2 = 70\%$ $+18/24 T_0 = 20\%$

$$1_{1} = 100^{\circ}$$
 C
 $C_{2} = 70^{\circ}$ C

e)
$$\Delta S = mzsz - mnsn - \Delta mese = \frac{Q}{T} + Scrz$$



AZ

b)
$$\frac{dE}{dt} = 0 = in(h_0 - h_6 + \frac{w_2^2 - w_6^2}{2}) + q_B$$

$$0 = h_0 - h_6 + \frac{w_2^2 - w_6^2}{2} + q_B$$

$$W_6 = \sqrt{2(h_0 - h_6 + q_B) + w_0^{2}}$$

$$\sqrt{2 \cdot \left[c_p \left(T_0 - T_6 \right) + q_B \right] + w_0^2}$$

$$T_0 = 243,15 \text{ K}$$

$$T_6 = \dots$$

$$W_0 = 700^{\frac{15}{5}}$$

$$S_6 - S_0 = 0 = c_p \ln\left(\frac{T_6}{T_6} - R\ln\left(\frac{p_5}{p_6}\right) = 0\right)$$

$$T_6 = \frac{T_5}{T_6} = \left(\frac{p_5}{p_6}\right)^{\frac{11}{10}}$$

$$T_6 = \frac{T_5}{T_6} = \frac{T_5}{$$

C)
$$\Delta e_{xrstr} = e_{xstr6-exstr0} = N_6 - h_0 - T_0 \left(\frac{5}{6} - h_0 \right) + \frac{w_0^2 - w_0^2}{2}$$

$$= c_p \left[T_0 - T_0 - T_0 \left(\frac{1}{10} \right) \right] + \frac{w_0^2 - w_0^2}{2}$$

$$= c_p \left[\frac{3}{40} - \frac{2}{43} + \frac{3}{15} + \frac{3}{2} + \frac{5}{40} + \frac{3}{2} + \frac{5}{2} + \frac{5}{2}$$

AZ PF.

d)
$$e^{-100} = e^{-100} = 10 = 10 = 10$$

$$= -100 = 100$$

$$T = 773,15 \text{ K}$$
 $R = \frac{8.314}{50} = 0.16628 \frac{\text{KJ}}{\text{kg K}}$
 $= 166,28 \frac{3}{\text{kg K}}$
 $V = 3,14.10^{-3} \text{ m}^{3}$

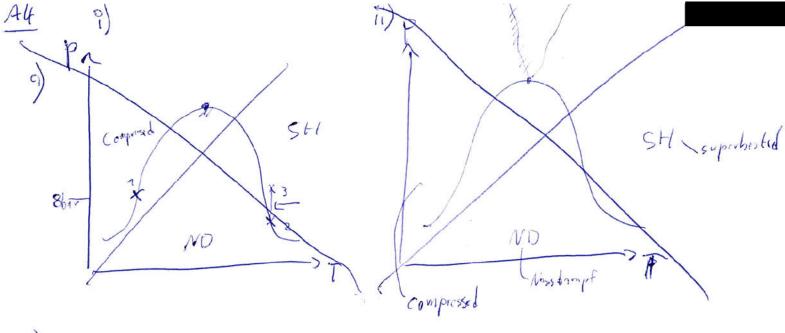
Urand Est gesneht, source down IP bei T=0,00301

Twz=0,003°C () XEISZ

$$Q = M_6 (4_1 N_2 - N_1) + M_{EW} (N_2 - N_1)$$

$$= M_6 (c_V (T_2 - T_1)) + M_{EW} c_V (T_2 - T_1)$$

$$= 0.0027 (0.633 (273,163 - 773,15)) + 0.1 \cdot c_V$$



$$\frac{dE}{dt} = 0 = in(h_z - h_z) + (1 - w)$$

hz (,x=1) hz (860r,)

Compressed

$$\frac{1}{2} \left(\frac{|Q_{zn}|}{|Q_{n}| - |Q_{zn}|} - \frac{|Q_{zn}|}{|W_{K}|} \right) = \frac{1}{2} \left(\frac{|Q_{zn}|}{|Q_{K}|} - \frac{|Q_{zn}|}{|Q_{K}|} - \frac{|Q_{zn}|}{|Q_{K}|} \right)$$

e) Tempiratur marde follen.