a) French Lilanz Stat. There prozess um Wasser:

=> Qp= m(haus-hon) . Ci) + QR

hen (700(), x=0) TAB A-2 = 292, 38 kg has (7000(), x=0) 11 11 = 1119, 011 kg

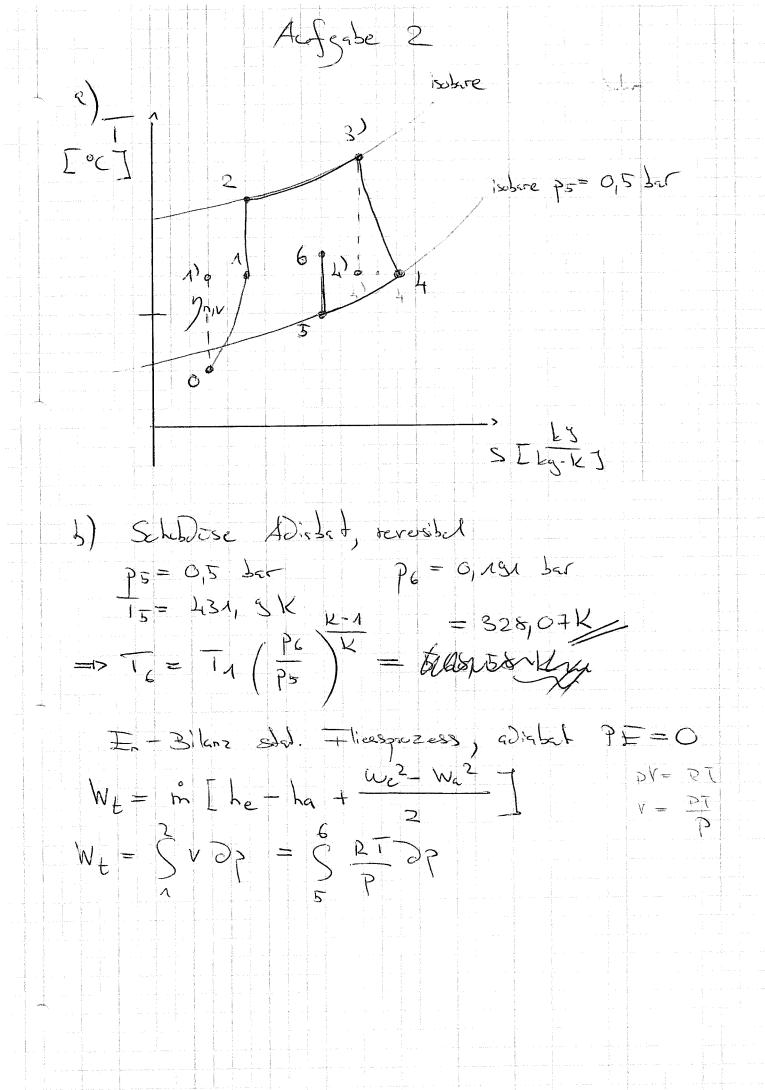
$$\frac{1}{1} = \frac{1}{1} = \frac{1}$$

() Entropic bilanz um Wand/ Frenze

Aufgase 1 2) Energie Silanz am Halboffenen System m202-m101= Amon(h) + & - 1 =0, da Qen= Qaus my = 5755 kg $U_1 = 1AB A - 2, x = 0,005, T = 100°C$ = 0.005, T = 100°C= 0.005, T = 100°C= 0.005, T = 100°CU2 1 1 = 70°C , x=0 =0 TAB A-2 = 282,95 \frac{15}{100} Am = m2- m1 hon, T-200C, x=0 =0.743 A-2 = 83,96 $\frac{1}{45}$ =15 m2 U2 - m1 U1 = (m2-m1). hen m2 (c2 - h) = m, U, - m, hen $= m_1 C_1 - m_1 h_0 n = 11 520, 1 kg$ $= m_2 - m_1 = 5765, 0 kg//$

e) Andrew Entropie silver halloffenes System

AS = M2S2 - M1S1 = AMS01 + Serz



C)
$$\pm region distant, mil VE = PE = 0$$
 $\Delta U_{ij} = G - W + E_{ij} = 0$
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 $\Delta U_{ij} = G - W + G_{ij} = G - G - G_{ij} = G - G - G_{ij} = G - G - G_{ij} = G -$

 $= 0 \times = 0.363$ = 0.363 = 0.363

Hefyale 4 4 Luxact x=0 1, 3/2005 b) Energic blane ther Verdichter O= m [hon- how] - Wt => Wk = m I has - hon 5 8 Far 12: 1i = Tab + 10K 12=12-612 = ti= 1200C, as whelle = 12- t2000 = Di= - 10 °C , as Tabelle =12 Tz= - 16°C, X=1 gesetheter Dompf $\Rightarrow TAB - A - 10 \quad h_2 = h_{on} = 237, 74, \frac{k3}{49}$

Ausgabe 4) p3=830 $\frac{1}{2}$ $\frac{1}$ = 1 tereside ($z^{5} = 0.3538 \frac{77.15}{72} = z^{3}$ =0 5=5-> =DTAB A-12, 8 Lar Ssal = 0,8066 °C , at 31,33 °C S (20°C) = 0,9374 = 1 interpoliesenfor 13 So J3 =