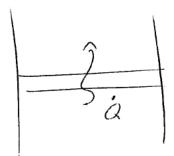
30)



to Z. Ja

$$=\frac{R(T_2-T_1)}{2-n}$$

Druck bled gleich

ing (h = - h z) - Q

NO

$$\frac{\int_{1}^{2} c^{i}f dT}{c^{i}f \int_{T}^{2} dT}$$

$$\frac{\int_{1}^{2} c^{i}f dT}{c^{i}f \int_{T}^{2} dT}$$

$$\frac{T_{KK}}{m\left(\frac{T_{A}}{T_{A}}\right)} = \frac{293.12 \text{ M}}{m\left(\frac{T_{A}}{T_{A}}\right)}$$

$$T_{KF} = \frac{\int_{e}^{\pi} T_{dS}}{5a - 5e}$$
 qans

$$\frac{1}{T_{MN}} = \frac{Q_{aur}}{S_a - S_e} = \frac{Q_{aur}}{v_{agr}(S_a - S_c)}$$

$$=\int_{KF}^{1} Tds$$

$$\frac{d}{ds} = \frac{1}{in}$$

$$= \int_{x_{E}}^{1} T ds$$

Ma)

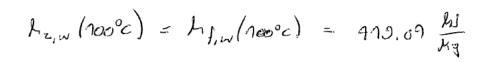
Ques

Stationier Fliesprozess mit

1-2

4 (70°C) = 202,98 Mg

A TWO POE



inw(h, - hz) + ar = Qans = 62.132 hW



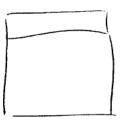
V

$$mg = \frac{RV}{RT}$$

$$m_g = \frac{RV}{RT} \qquad R = \frac{8.317}{m} = \frac{8.317}{50} = \frac{10}{m}$$

(A)

0.14g + 324g



3

1.40 bar

$$h_6 - h_A = C_P \left(T_6 - T_8 \right)$$

$$S_6 - S_0 = C_U \ln \left(\frac{T_6}{T_0} \right) - R \ln \left(\frac{h_6}{h_0} \right)$$

\	
7)

	P	T	
0	0.797200	-30°C 293.76k 7=	
ハち	0.5bar		
7 📆			
3 3	o d.		
98	o.ghar		
5 &	0.Sher	200 A31.9K	
6	0.791 har		

Ts, ps, Ws gegation

$$inc_{\mu}(T_{5}-T_{6})+in\left(\frac{\omega_{3}^{2}-\omega_{6}^{2}}{2}\right)+je^{-i\omega_{4}}$$

$$W_{+} = -\frac{R(T_6 - T_5)}{1 - n} - ske$$

$$W_{+} = -\frac{R(T_{6} - T_{5})}{1 - n} - \lambda ke \qquad \qquad W_{+}^{ret} = \int_{0}^{\infty} v \, dn + ke$$

$$\int \mathcal{W}(c_{n}|T_{s}-T_{6})+\omega_{s}^{2}-\frac{R(T_{6}-T_{5})}{1-n})=\omega_{6}=350\frac{m}{5}$$

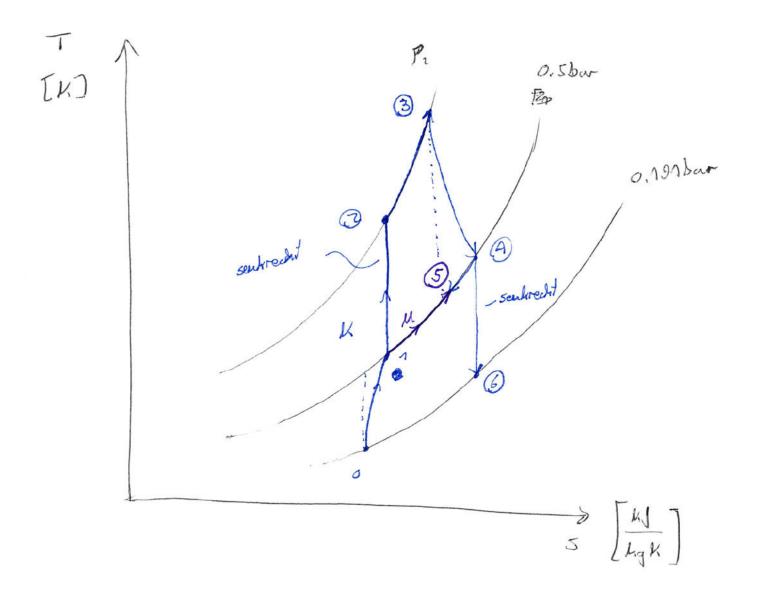
28)

Isentrope Schuldise

$$\frac{T_2}{T_1} = \left(\frac{N_1}{N_1}\right)^{\frac{N-1}{N}}$$

hier =
$$\frac{T_L}{T_S} = \left(\frac{R_6}{P_S}\right)^{\frac{K-1}{X}}$$

$$\frac{T_6 = T_5 \left(\frac{N_0}{N_5} \right)}{\left(\frac{N_0}{N_5} \right)} = 328.07 \text{ M}$$



Halhefferes System

$$u_1u_2 - u_1u_4 = \Delta u_1 h_{ein} + Q_{ous}$$
 $u_1 = u_{wasser}(30\%)$ siederde Flussigheif $x_b = 0$
 $u_1 = u_{wasser}(100\%) \Rightarrow x_b = 0.00S$

hein = L(20°C) siedende Fl.

$$m_{\chi} = m_{\eta} + s m_{\eta z}$$

$$\left(m_{\eta} + s m_{\eta z}\right) u_{z} - m_{\eta} u_{\eta} = s m_{\eta z} h_{e,n} + Q$$

$$m_{\eta} \left(u_{z} - u_{\eta}\right) + s m_{\eta z} \left(u_{z} - h_{e,n}\right) = Q$$

$$\frac{Q - m_{\eta} \left(u_{z} - u_{\eta}\right)}{\left(u_{z} - h_{e,n}\right)} = s m_{\eta z}$$

Xeis =
$$\frac{u_2 - u_{11}}{u_{fef} - u_{11}}$$

46)

ing (4-1-43) 7 - Wx

x = 1

hz= hg bei nocc

Internal "when 8° und noc

 $\frac{259.03 - 259.8}{12 - 8} \left(10^{\circ} C - 8^{\circ} C \right) + 259.8 =$

Mr = 252.916 hg

his => Sbar

32

Ti = 40

 $h_3 =$

Krss

MR, 139a = Mx - h3 - h3