Tabelle:

esas

$$\frac{15}{15} = \frac{5z-5\pi}{hz-hn} \neq \frac{5h}{5z-5n}$$

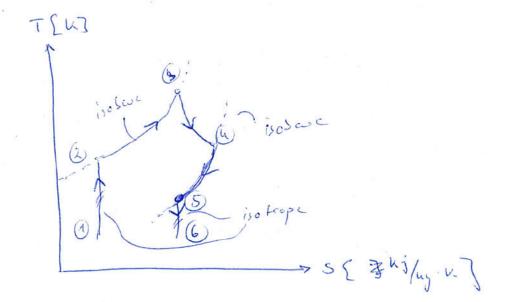
he }von ose

$$\frac{Q_{K}}{T} = \frac{65hW}{295k} = 0.22.10^{3} \frac{W}{u}$$

$$\frac{Q_R}{\overline{T}_R} = \frac{100 \, \text{LW}}{373.15 \, \text{K}} = 267.38 \, \frac{\text{W}}{\text{K}}$$

$$S_{2,kF}^{a}$$
 - $S_{1,kF} = cit \cdot ln\left(\frac{T_2}{T_1}\right)$

Za)



b) Ts, ps, ws

inges (85-56) + Q + St2 = 0

ke=

20)

Existrice = mexistine = in the -ho To (se-soltherd

ke, 6 = 1 m. V2 1 m6 w2

Existro = inexstro = in [ho-

-7 G F

BEXIST, = Exstre - Existre

= in (ho-ho-To (so-So) + Dke]

Ohe = 2 moses. (wo w)2 = 2 mg

= \frac{1}{2} mgs. (510 \frac{m}{5} - 200 \frac{m}{5})2

IAB A-ZZ.

14g

ho (243K, 0.16160) = 24000 250.06 - 240.02 . (250-243)+ 240.02

Sa (2434) = 247.041 high

So-Se = So(To)-So(Te)-Rln(Po)

Aufake 3

9) Pg,1 !

$$\frac{Mg}{RT_n} = \frac{P_n V_n}{RT_n} - \frac{1.04 \cdot 10^5 p \cdot 3.44 \cdot 10^{-3} m^2}{8.314 \text{ /mohh}} = 0.00254 \text{ h}_3$$

$$R = \frac{R}{M}$$

$$8.314 \text{ /mohh}$$

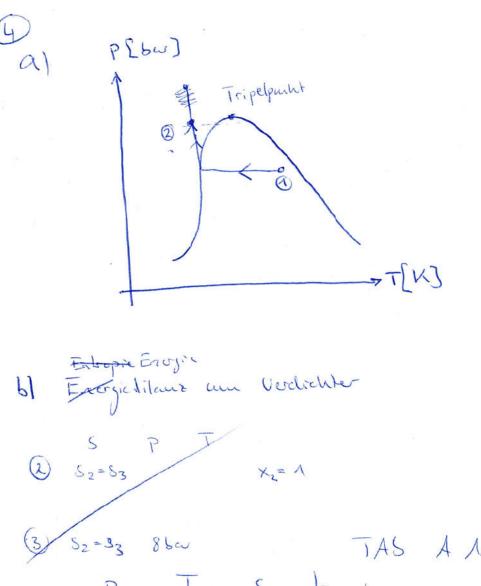
$$8.377 \text{ MW} = 2.54 \text{ g} = \text{Mg}$$

$$8.00 \cdot \frac{h_3}{h_{00}} \cdot 10^{-3}$$

c)
$$0 = \dot{Q} - \dot{Q}$$

$$\ddot{\omega} = \int_{0}^{2} P dv = Pn\alpha \cdot (V_{2} - V_{1})$$

of)
$$P_{1,g} = P_{2,g}$$
 $E = U$
 $OE = U_2 - U_A = Q - U$



2) $S_2 = S_3$ $S_2 = S_3$ $S_2 = S_3$ $S_3 = S_3$ $S_4 = N$ TAS A M

P T S h

X

1.2182

2 -22°C

2 isolar

3 86ar

3 86ar

4 86ar 31.33 0.345\$ \$3.42

isolar

isolar

$$() \qquad \chi_2 = \Lambda \qquad T_2 = -22^{\circ} C$$

$$x_{\Lambda} = \frac{s - s_{\xi}}{s_{j} - s_{\xi}} = \frac{3 - s_{\xi}}{s_{j} - s_{\xi}}$$

d) $\varepsilon_{\kappa} = \frac{|\dot{Q}_{2\kappa}|}{|\dot{Q}_{\alpha\beta}| - |\dot{Q}_{2\kappa}|} = \frac{|\dot{Q}_{\kappa}|}{|\dot{W}_{\kappa}|}$