7)

a) Ques

Main = mans = 0.3 kg(s)

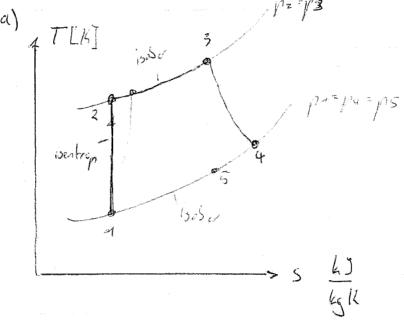
[484-2:

$$\dot{S}_{erz} = \frac{\dot{Q}_{aus}}{\bar{T}} = \frac{\dot{b}2300}{293.75} = \frac{\dot{W}}{14}$$

d)
$$Q = 0$$

Sedlosser $Q_{12} = Q_{6005-12}$
 $Q_{12} = Q_{6005-12}$

J5 - 2 0 + Ser



LuBt:

$$\frac{\overline{\Gamma_6}}{\overline{\Gamma_5}} = \left(\frac{p_6}{p_5}\right)^{\frac{N-7}{2}}$$

To = 328.07 K

W6

(Aerst

= mges (hg-ha-Toc

Gos isochor wienkapozibet

PS- pro - 1601 Box X1-0.2 MEW = 0.169

To12 1991 (49 - 0.633 (5)

Omor: 0.633. 3.42.10 - 0.602164 13

1-2 isocher vicest in pg2 = pgu

= 7.4 Box

Q = mgas (cu([2-14)

all = Q

df=0+Q-7

n(uz-uy) = 9

mgas cu = 12- In T2: In + mgas cu

Tz = 77355 7 -0.002164 5.42-163.0.633

$$M(\alpha_2 - in) = Q$$

$$X_{2} = \frac{8\sqrt{2}}{\sqrt{3}} \sqrt{4} + \frac{1}{2} = \frac{1}$$

X2 - 13 (0.04)

de haili + A + W 0 = n(h2-l3) + W hz. lig (Tz) T2 = -6° (1/3 = 813 v 52=53 ioenbro/ TAB 4-10 hg(-4) = 244.9 (8) hg(-8) = 242.54 (244.9-242.54) = 2115.72 kg 92 = 0.928# + 8-6 (0.9213 - 0.9239) = 0.9226 () hs @ 8Ber : TAB +12 interpolises 5 sat = 0.9066 53 - 0,9226 -- l3 = 264.75 + 0.9276-0.9066 (Big 273,15-264.15)

= 268.82 BK

$$\dot{m} = \frac{W}{h_3 - h_z} = \frac{28 \cdot 70^{-3} \, \text{LW}}{268.82 - 243.72} = 0.00 \cdot 775 \, \frac{\text{Leg}}{\text{S}}$$

$$Y_{4} = \frac{5_{4} - 5h}{5_{3} - 5h}$$

$$\mathcal{E}_{14} = \frac{1 \mathcal{Q}_{24}}{1 \tilde{w} + 1} = \frac{1 \mathcal{Q}_{14}}{1 \tilde{q}_{14} - 1 \mathcal{Q}_{14}}$$

e) Wore any instity du mon uns den brewindelen gesieh verschundet