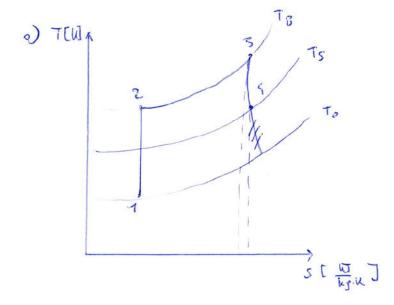
a) Bregin bilens: MB & Zrilhithitheithei] + ZQ; - Zw,

o = mihe-he] + Pab , Rab = mihe-he]

he = hw (700) = he shw (1000)

- b) = 1 = 1 7 ds
- c) Bripar Gilens: 0 = m[se-se] i Z P + Sing Sing = m[se-se] - Pers
- e) As = n2s2-m2s1 5 m2 (s2-(1-Am2) 5-1)



Aufgele 3)

$$= \frac{32 \, \text{lg} \cdot 9, 17 \, \frac{\text{N}}{\text{lg}}}{7,855, 10^{3} \, \text{n}^{2}} + \frac{9,11 \, \frac{\text{N}}{\text{lg}}}{7,855, 10^{3} \, \text{n}^{2}} + \frac{1.10^{5} \, \text{N}}{\text{n}^{2}}$$

z 0,3997 ber of 1 600 5 1,3997 ber

for tressa:
$$9V = mRT$$
, $m_g = \frac{90 \text{ kn}}{RTh} = \frac{7/3897.10^{\frac{3}{2}} \frac{N}{m^2}}{8/316} \frac{3.16.10^{\frac{3}{2}} \text{ km}}{8/316} \frac{3.16.10^{\frac{3}{2}} \text{ km}}{\text{kmol}}$

$$= 3,6109.10^{\frac{3}{2}} \text{ kg}$$

- b) Der Drich Ppiz 3 Fin mil die trecen out den turbren immer jelich ist.
- c) THS: DU, Q W , Q DU, W
 - * W & Pris all 3 15, (1/2-1/2) Pris
 - . Dug & mp (Uz-Uy) & mg (Tz-Tz) cis

W = 3/197 - 1 1008 - 3,18). 103 m. 1, 389. 103 N = - 9,2892 KJ

DUg = 3,4177 75 kg (273,753 - 277,75) k, 9,651 kg = -1,0870 kg

Q = AU : W = -7,3662 W Die vom Ges styrtige abgregation worms.

Prz + 1/3602 W

d) 725 900 c

145: Alpho = Q-W = (1,3602 - 0,2892) KJ = 1,082 KJ

DUN + MBW (UZ-UZ)

1-x2 U2 = YU4 (0,003:0) (VE(0,003:0)

+: flussip f : fest

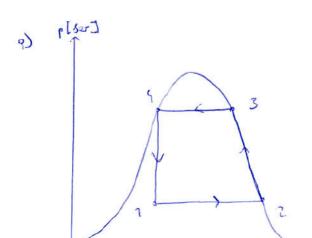
m = of (o.c) (1-x4) int (oc) x1 , x3 = 016

mow (uz- un) = xz (up (Tz) - u4 (Tz)) + u4 (Tz) - un = Din

×2 + <u>AURIU - 4 (72)</u>

1 -0,0 kg (-0,0(5 kg). 0, (1(-333, (58 kg)) 0, 6 - (-0,033 kg)) 7187 - 337, 992 kg - (-0,033 kg)

= 0,5775



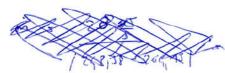
TLUIT

Brogsebiles on workeliher: 0 5 in [he-ha] - Wik 3)

he = hz (86er) = 26(,15 hz

hy (20) = hy (60) = hy ((00) - hy (00) . (2-0)

* 268,28 15 hg = 768,38 + 267,23 = 685,57 15



$$\varepsilon_{K} = \frac{|\dot{Q}_{K}|}{|\dot{Q}_{ab}| - |\dot{Q}_{K}|}$$