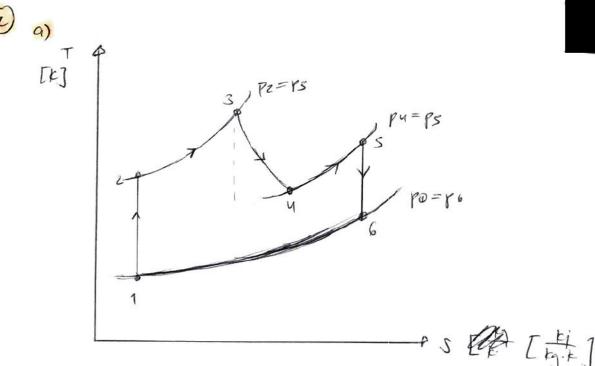
$$\overline{T} = \int_{S_a - S_e}^{g} T ds$$

$$-1$$
  $S_a - S_e = S(298,15k) - S(285,15k) = \int_{288,15}$ 

$$-486481$$
  $S_1 = 1,3069 + 0,005 | 7,3545 - 1,3069) = 1,33714  $\frac{k_1}{k_2}$  x$ 



Frequebilaire in Pluggeon preliverte (System greenze nun ganzes Triebweit)

$$\frac{dE}{dt} = nigs[h_0 - h_6 + \frac{\omega_{inft}^2}{z} - \frac{\omega_0^2}{z}] + \overline{z}\overline{Q}_i^2 - \overline{z}\overline{\omega}_i^2$$

bestimble 
$$\int \frac{1}{y^2} \int \frac{1}{y^2} dy dy$$
 . To bestimble:

$$\int \frac{1}{y^2} \int \frac{1}{y^2} dy dy$$

$$-0 \quad T_6 = 431.5 \, \text{k} \cdot \left( \frac{0.191}{0.18} \right) \frac{1.44 - 1}{1.44} = 328,04747 \, \text{K}$$

OPEX, Str = wigs [ 
$$h_6 \cdot h_0 - T_0(S_6 - S_0) + \frac{W_6^2 - W_0^2}{2}$$
]

 $-\omega P_{X,SH} = \frac{W_6 - W_0 - \frac{2}{3}}{2} T_0(S_6 - S_0) + \frac{W_6^2 - W_0^2}{2}$ 
 $W_8 - W_0 = (p(T_6 - T_0) = 97, 43 \frac{k_1^2}{5}$ 
 $S_6 - S_0 = (p \cdot M_0(\frac{T_0}{T_0}) = 0,3373 \frac{k_1^2}{5}$ 
 $S_6 - S_0 = 32 \times 8 \frac{k_1^2}{5}$ 

d) ex, veil = To. Sesz

Eutropie bilanz

Serz = M W Wex, str = 0,3 
$$\frac{kg}{s}$$
. 100  $\frac{kg}{g}$  = 30  $\frac{kg}{s}$   
 $ext{ev}$  = 248,15k. 30  $\frac{kg}{s}$  = 7294, 5  $\frac{kg}{s}$ 

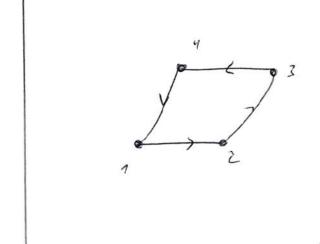
$$Cv = 0,633 \frac{kq}{kg/K}$$
,  $M_g = 50 \frac{kg}{kwol} = 0,00314 m^3$ 

$$-c R = \frac{R}{M_0} = \frac{8,314 \text{ wol. K}}{50 \text{ kg}} = \frac{166,28 \text{ kg. K}}{\text{kg. K}}$$

Druck bilant:

$$mg_{11} = \frac{R - T_1}{p_1 \cdot V_1} = \frac{166,28}{1.5.10^5 Ra \cdot 0,00314 m^2} = 772$$





b) Elw je bilan ? talkstoe Kompressor

Annahou = T= 10°C

 $w = \frac{\dot{w}_k}{h_2 - h_2}$ 

Water 12 (10°C, X=0) TAB- A10 lukyolahbu 131,46 233,63-231,46 (
922-40,02354

() Diossel 1st isen trop -1 Sy = Sy

$$x = \frac{S_7 - S_4}{S_3 - S_4}$$

$$\mathcal{E}_{k} = \frac{\dot{Q}_{2h}}{\dot{Q}_{ab} - Q_{2h}}$$