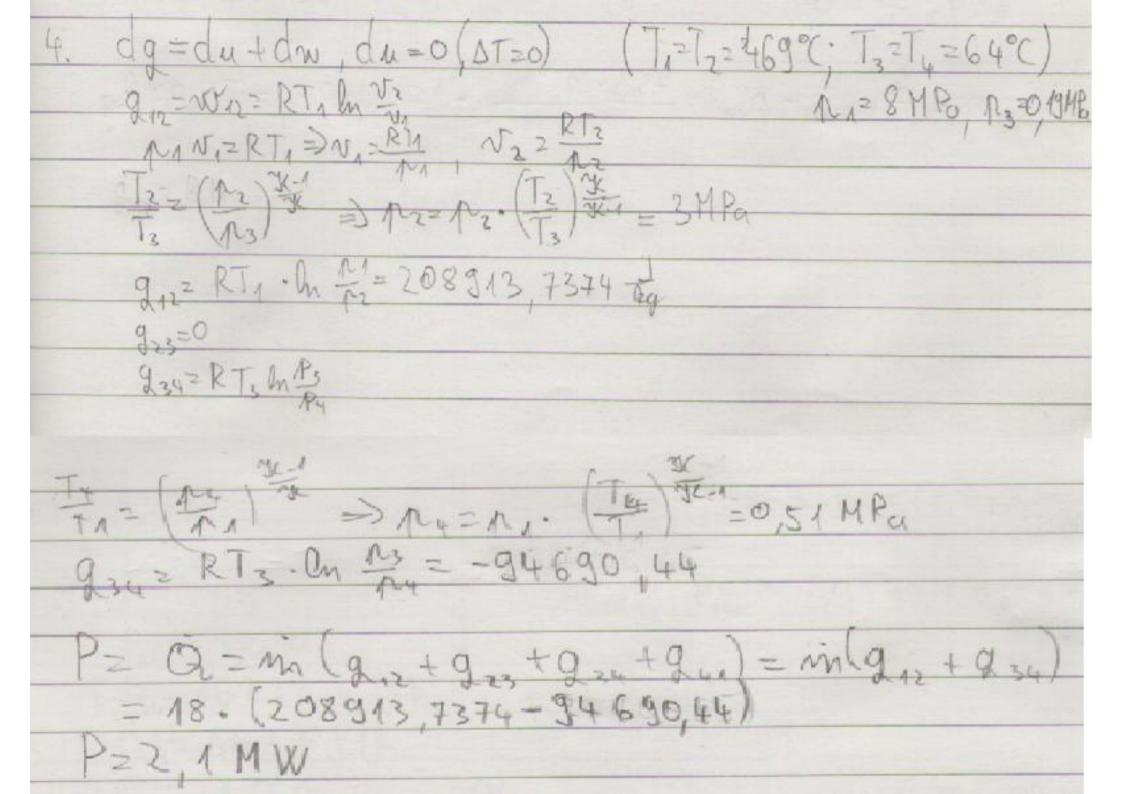
1. 21=10,67 m MB=P.V=PHE. \$ 13TT = 105,4 kg Muk = Sz. V= 1,16.636,05 = 737,826 MUKZMIT + MK+U+MB MT = MUK-MKHU-MB My=737,82-8,3-105,4 My=624,12 leg

L. 21216,6m => 128,3m My= 204 kg mg=ma+8gV=) a=g(1-5=.V UB= = 73/1= 2395,1 m3 MB=PHE-VB= 396,9 leg mux = MB + MT + MU = 614, 4 kg a=9,81/1-1,16-2395,1 a=34,55 m/s2

3. T₂=1₂=483°(=756,15 K T₃=T₄=57°C=330,15 K A₃=0,11 MBa X=1,4 T₂=(A₂) × => A₂=A₃·(T₂) × = 2 MPa T₃ = (A₃) × => A₂=A₃·(T₂) × = 2 MPa



5. POSTUPAK JE ISTI KAO U 4. ZADATKU!

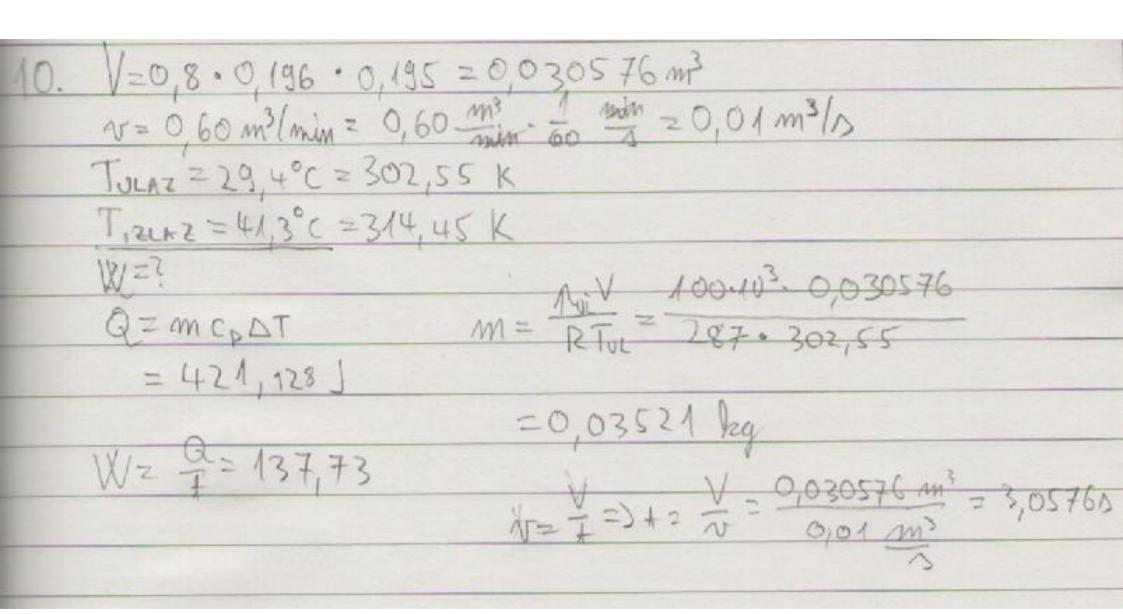
f= fallon preolitarely

f= galor = Taor - Todor

Thor-Todor 74,6 24,58 1 dow = 6 9°C

=385°C=658,15K =55°C=328,15 K

1,3 mm = = n.A=m.g m= 65-(03-2,3-10-6) 9.81 m= 15,24 g



PK=MK-PN=3.6=18 kW My = 3 Pu = 6.02 W PRT = MRT. PART = 59-32 = 1888 W MRT = 59 PRT=32 W a= 16228 kJ/h a=362 & 11h 0= 21.0°C 11=5 Q+Q, N=Px-PxT 16228 & 7 - 3600 \$ + N-362 & 7 - 3600 \$ = 18-1,888 $N = \frac{362}{3600} = (16, 112 - 4, 51) = 10$ N = 115 Osoba

12. T1=4492 K 1=483 2 fa T2=681 K 1=100 2 Pa P=370 2 W V=2

 $W = C_P \cdot \Delta T = 1/130 \cdot (1492 - 681) = 9/16 430 + W$ $P = W \cdot m = W \cdot m \rightarrow m = P = 0,40374 - leg$ $R \cdot V_1 = m \cdot R \cdot T_1 = \frac{V_1}{m} = \frac{RT_1}{A_1} = 0,9267 \cdot m^3/leg$

N [m3/s] = in · \frac{V_1}{m} = 0,40374 \frac{kg}{s} · 0,9267 \frac{m3}{9eg} = 0,374 m3/s

T,= 303 K 12=351 K 12=567 & Pa R=287 JllgK Dm=2 Am= M2-M1 Am= V(12 - T1 1 m=11,19

14. $c_{p}(T_{2}-T_{1})=-\frac{1}{2}(c_{2}^{2}-c_{1}^{2})$ $T_{1}=759 \text{ K}$ $T_{2}=733,71 \text{ K}$ $c_{1}=24 \text{ m/s}$ $c_{2}=338 \text{ m/s}$ $c_{p}=2247 \text{ J/by/K}$

m=1190 kg N=7 m/h=1,94 m/s N,=100 Em h= 27,78/1 /X/= 5 W=0,5-m. W=0,5-1190(27,782 W2456,87 kJ

N= 14 lm/h = 3,89 m/s N= 106 lm/h= 29,44 m/s = 77 XW X/= = 1 m v2 D. t= = m(N2 - N2 £=0,5-m(1/2-1/3)/PM t=0,5.1737(29,442-3,892)/77.103 t= 9,61 s