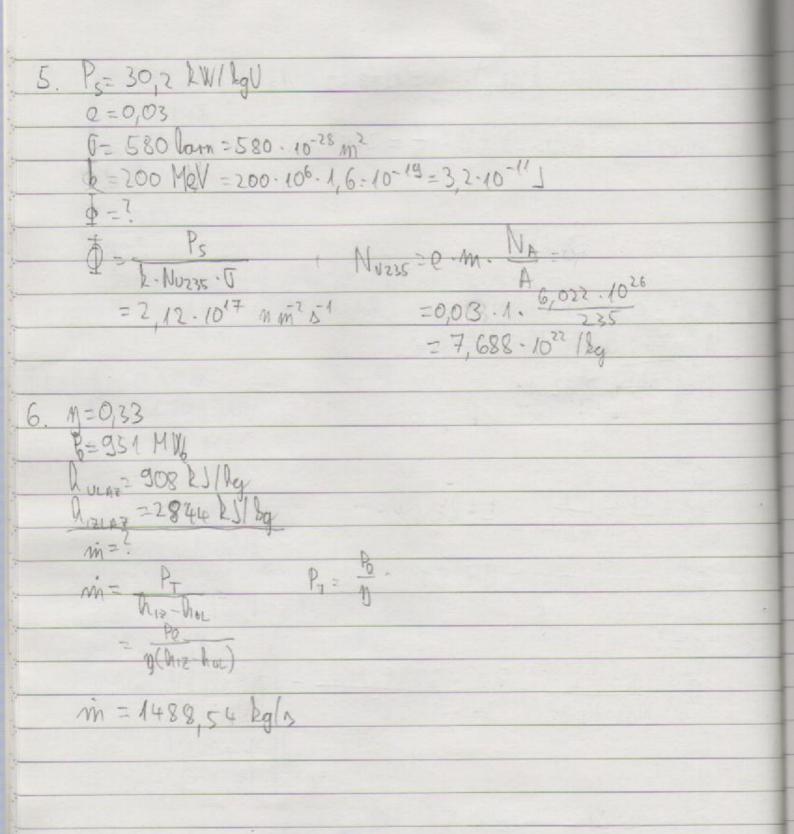
## 3 DZ

2. 
$$Q''' = \frac{Pt}{V} = \frac{Pt}{A_5 \cdot L}$$
,  $L = 1.5$   
 $Q''' = \frac{Pt}{V} = \frac{Pt}{A_5 \cdot L}$ ,  $L = 1.5$   
 $Q''' = \frac{Pt}{242 \cdot age \cdot 25} = 97,83$ 



7. Q=2985 MW = P. N=3 PPUMPE=3MW Dn=629 LPa Sn=738 lg/m³ C, 25, 48 RJ/lg/L Tulaz=281°C ± 554,15K Tizlaz=2 PRUMPE = NA - DA = DN = 4,77 m3

mp = P-Np = 3519,87 by Mj = Mp · N = 10 559,62 kg

At = P1 = 2985 · 106

10 559,62 · 5,48 · 103. DT : 51,58 Tiz-Tuz=DT T12 = 605,73 K TIZLAZ = 337,58°C

8. Myoz=6/2+ 2=0,04 = 26.1017 m/m2 B G=580 liam=580-10-28 m2 1=200MeV=200-106.1,6.1019=3,2-10-11 J t-to=4dana to 16 mj = 480 dana P= 0,0061 - Po [(+-+0) - + ] P= 200-1,6-10-13-Q-m-mog = 238 - WA G- \$\frac{235}{235} - G-\frac{1}{2} Po = 2,668.109 W P=0,0061-Pol4-0,2-480-0,7=7,6 MW 10. P\_= m (h,-h2) Pol= (P\_T-Pkon) - n = (m(h, h) - Pkons) - n Pol= 1701 MW 12. m= 71,9-10° kg/h PT = M. (hur hix) = 3 g4 FW Pe = M. (PT-Pran) = 1,27 - GW m= N. (Box-had) = 412,55 kg/s

PT=M. (hu-hiz) = 4, 176 GW
Po=gto (PT-PKOND) = 4, 53 GW MT=0,3667 11-36,6796 13.  $\Phi = \frac{P_3}{200.1,6.10^{-13}} = 2,88.10^{17} \text{ m/m} \text{ s}$ N= lm = 238 · NA = 0,03.99,2.103 · 238 · 6,022.1026 P\_ = P\_ - Np - Ppunp = P\_ = mox · (h pp - how) = 3,66 W P1 = 3,59 GW 14. Po-210: P= Pe= 98 = 653,33 W Rpo= ln3 = 5,81.10-8 5-1 N= Tr. 02= 1,3-1022 NozN · 0 nt = 2,86-1026 Noz M · NA De No. Aporto (NA = 99,81 bg

P= 653,33W N=1,48.1025 N=1,48.1025 No=Next=1,493.1025 MAN= No - AAH /No=5,975 Dm 2 M PO- M AM = 93, 83 kg 9. to=128 dana

T-to=11/24 dana

P=0,0061 Po[[t-to] -+-0,2]

P=5615591,225 W Pt=P ) P=m·cp· DT m= P=461, 1 Agls mp - m, = 153 68 Pgls