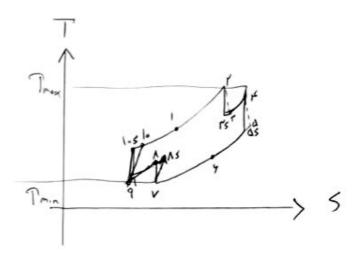
ں الت)



 $W_{c} = \frac{m \cdot C \rho T_{c}}{N_{c}} \left(\frac{T_{AS}}{T_{v}} - 1 \right) + \frac{m \cdot C \rho T_{q}}{N_{c}} \left(\frac{T_{AS}}{T_{q}} - 1 \right) = Y_{x} \frac{m \cdot C \rho T_{min}}{N_{c}} \left(P_{1} \right)$ $Reg: N_{r} = \frac{T_{1} - T_{0}}{T_{0} - T_{1}} = \sum_{l=1}^{n} T_{l} + \left(\frac{T_{0} - T_{1}}{T_{0}} \right) \frac{R_{2}N_{r}}{N_{c}} \left(\frac{R_{2}}{N_{c}} \right)$ $Q_{in} = m \cdot \left(\frac{N_{r} - N_{1}}{N_{r}} \right) + m \cdot \left(\frac{N_{r} - N_{r}}{N_{c}} \right) + m \cdot \left(\frac{N_{r} - N_{r}}{N_{c}} \right)$ $N_{c} = \frac{T_{1} \cdot S - T_{q}}{T_{1} - T_{q}} = \sum_{l=1}^{n} \frac{T_{1} \cdot S - T_{q}}{N_{c}} + T_{q} = \sum_{l=1}^{n} \frac{T_{l} \cdot S - T_{$

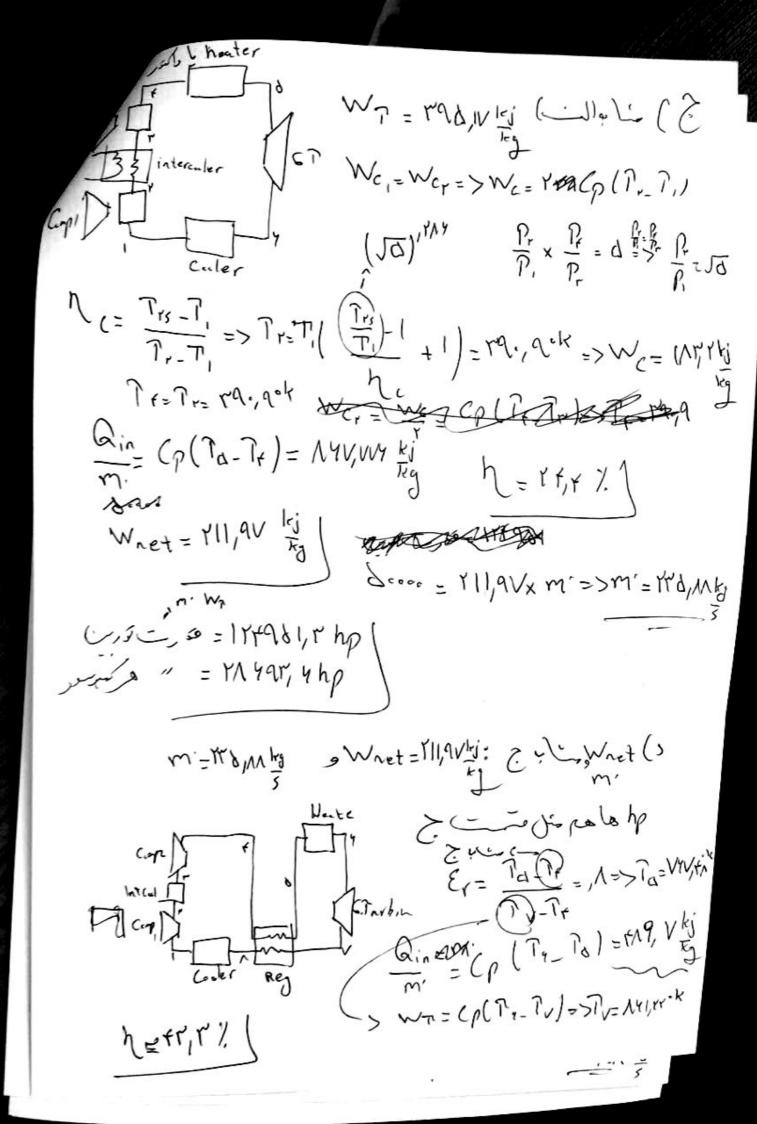
8-13: Contined Gas- Eldin a) heat added per pound mass afair 1 = der er = > | Pr= 1/d9 | T= der er = > | Pr= 1/d9 | h= 119, fx Btu Pbm Air P) You fessent theiritical air

P= 44. P = 1-2 | Pr= 44V, F

A=1A4FY Btu no Pr= AV, 11

Ab milgas Fitter at 1

No Pils co - to / millingas 1 lbmair Y. Perents = Vacan your Thinh



$$h_{c} = \frac{T_{rs} - T_{l}}{T_{r} - T_{l}} = \sum_{l} T_{r} = \frac{T_{rs} - T_{l}}{h_{c}} + T_{l} = \Delta \cdot \Delta_{l} \vee \Delta^{\circ k}$$

$$\frac{T_{rs}}{T_{l}} = \Delta^{r} \wedge \Delta^{\circ k}$$

Qin= 1, ... f (1/da/1 - 0.0, Va) = Var, 4V 1/9

η = W7-Wc = (YΔ), Con - 144, ΔΛ x 12/6, IV= (4.4), N 2 = Vry 19, 4 hp

Qin == Cp (Tx_Tr)= +44, 47 kg

c) WGT= hr-hr= 44V, 17- FFF, FF= YFF, V Bha Air War= hy-hv=18,4,4 - 98 MARTI, d= May 9 Btu Bonsten We= he-h,= Vy Btn Obn Air - YV, ay Btn BomAin Wret = 141, V+ 4V, 94- VY = 414, 84 Blu Don Am d) 2 cc = 4/1/14 = 69,1% e) no = Wor. We 200, F/, [
BC

)

1148 x 1 x stal, orr 8 = 44V, 1 Btu Bon Air 9=hr-hr=44V,17-194=4V1,17 Btu
lbmair b) The steam flow anstruccie ~ h = Btu = & P84,217 Btu

Ab. mil feeters

ges 1 /51 -> | V= 1.191 f fgr / 1/50 = ha ~ 5 Wp = .

ELLT => | N= 49, VT 18h = ha ~ 5 Wp = .

S= 1844 Bhm. F

Pv=Pn=1 le: | SF= 1844 Pv=Pn=1 Ps; { Sf=, 1874 Sfg=1,1808 => ルェルバグ:> 5v = 5y=1,48r 917, 6 h. ha = 4rt, tr _ r84, rr = 141, r Btu

Bha Air hy- hq = 18.4, + 3 m - 49, Vr = 1 +rx, 4v Bin mistegn x (hy-ha) = mair x (hx-ha) => mister = 11v for strong