Josy whitehear 7 - 7 - 0 U1069343 ChEn 3453 q"= 80 (154-154) q"=1500 == page 1 20.5 0: 5.67E-8 13:3 0500T = 480. K N=4= 2.25 m3 -> F12-F21=0.85 A T, = 1073 K T22553 K AAR ٤, 20.5 E220.8 1-E - 3, -32 - 3 DAMAN  $\frac{E_{b2}-J_2}{I-E_2} - \frac{J_2-J_1}{A_1F_{12}} \rightarrow \frac{J_2-F_{tb}A_1}{E_2A_2} = \frac{I-E_2}{E_2A_2} + \frac{J_1-E_2}{A_1F_{12}}$ E2 A2 Next Page

 $\frac{1}{2} = \frac{1}{4} \frac{1}{1} = \frac{1}{1} \frac{1}{1} =$ input 32, solve for 3, -> 3, 2 5,2069. J2=1.35×104 9, = 3,-32 = 52069 - 1.35×104 - 7.38×104 W 9 = 73.8 KI + /met-allina= 132,50 922 ath-3, \$ 520Km waste with warm 7 2025 JTK-

Josh whitehead Ch En 3483 CHERRY Page 3 HW12 3.11 Lust T, = 1088.7 AIFR T 2 2533.15 E2 -0.91 63 -0.09 9" = 49.149 K 28.0 = A1: 282 with 2  $q'' = O E_3 T_3$   $\frac{G}{E_1 A_1} + \frac{G}{E_2 A_3}$   $\frac{G}{E_3 A_3}$   $\frac{G}{E_3 A_3}$   $\frac{G}{E_3 A_3}$   $\frac{G}{E_3 A_3}$   $\frac{G}{E_3 A_3}$ =911K = 1180°F 93.0% 0.93 reduction SEA +37 11

