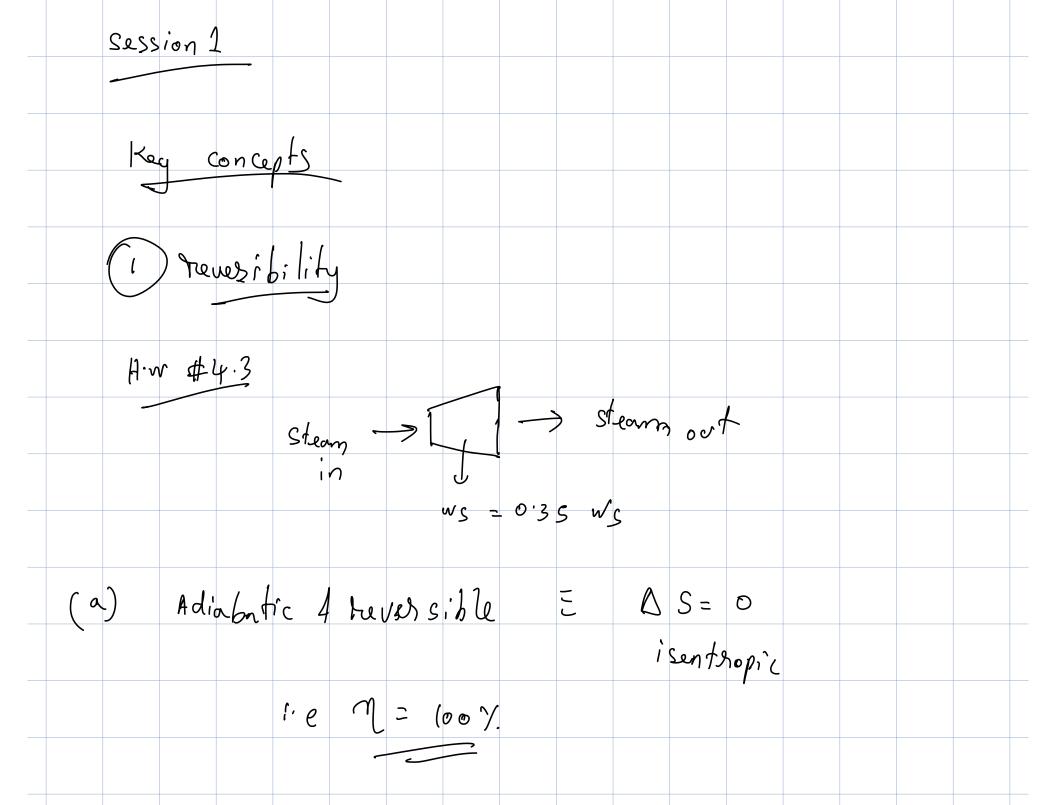
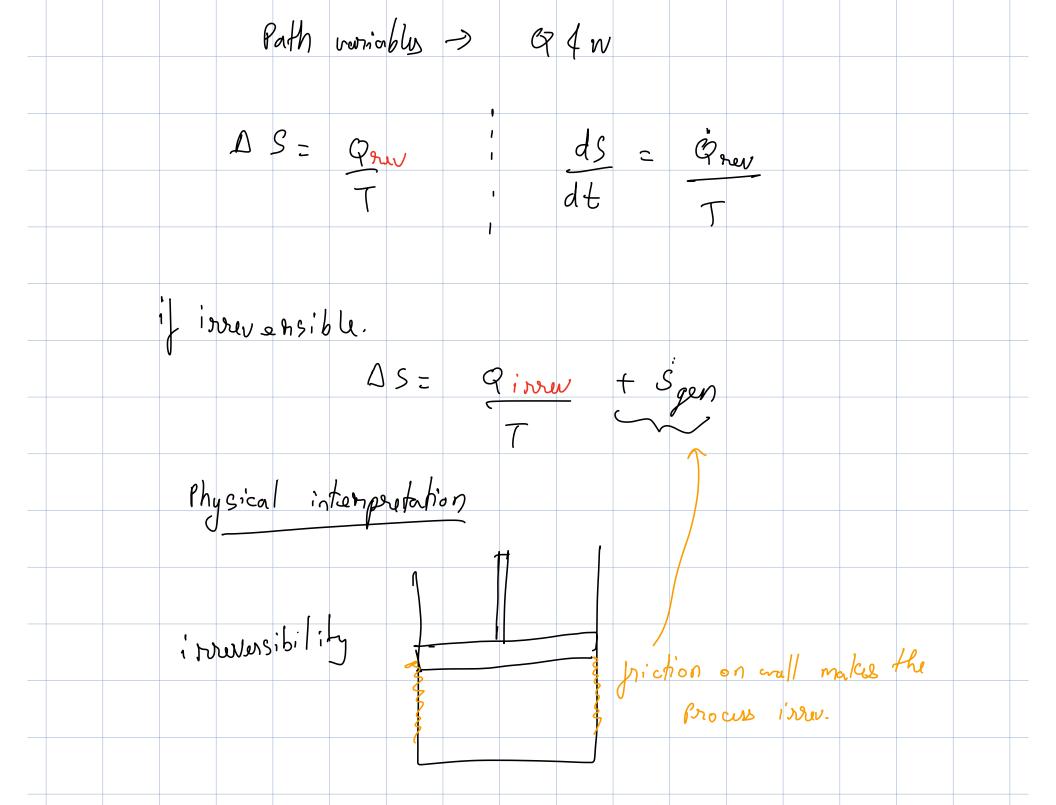
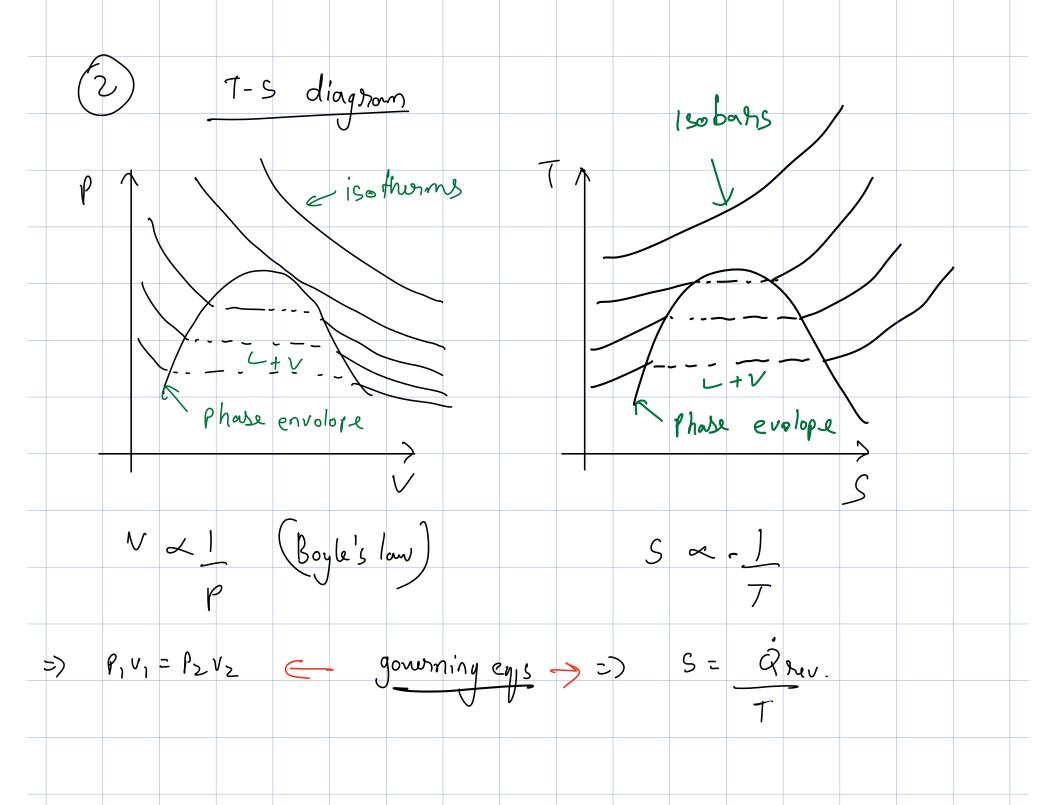
Thenmo Recitation #6 (03/14/23) > Session 1: key concepts 4 Exam 2 pointers Session 2 : Problems: 1 entropy prob., 1 turbine Prob.

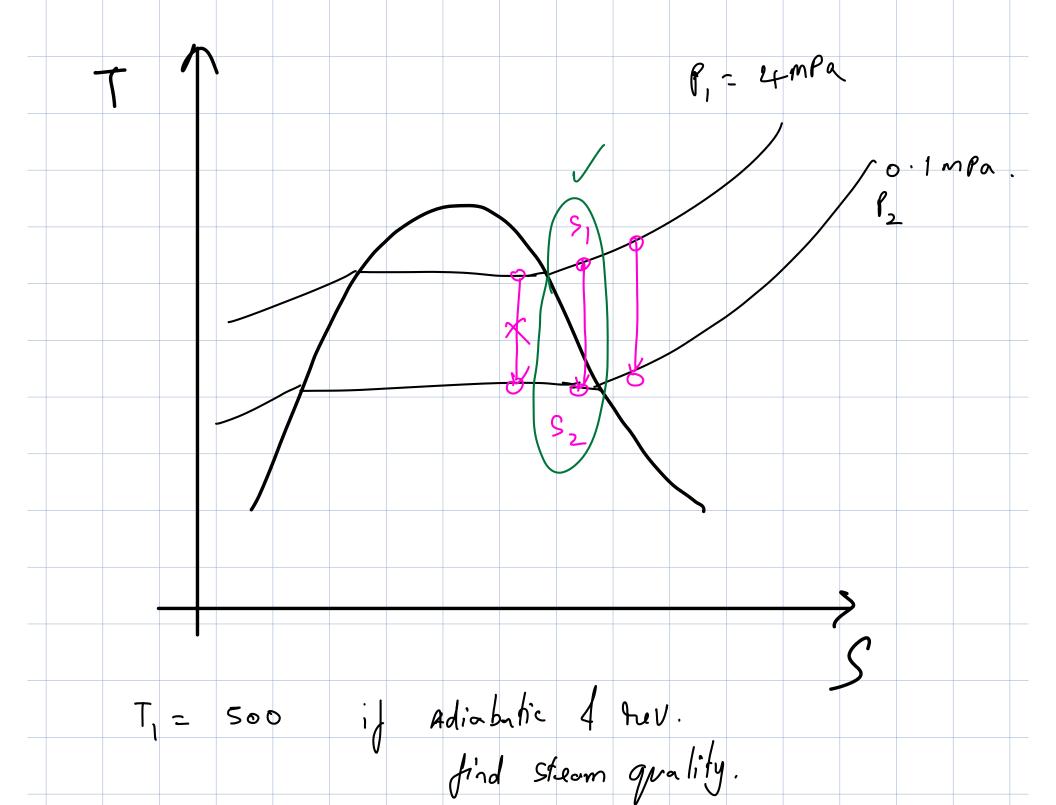




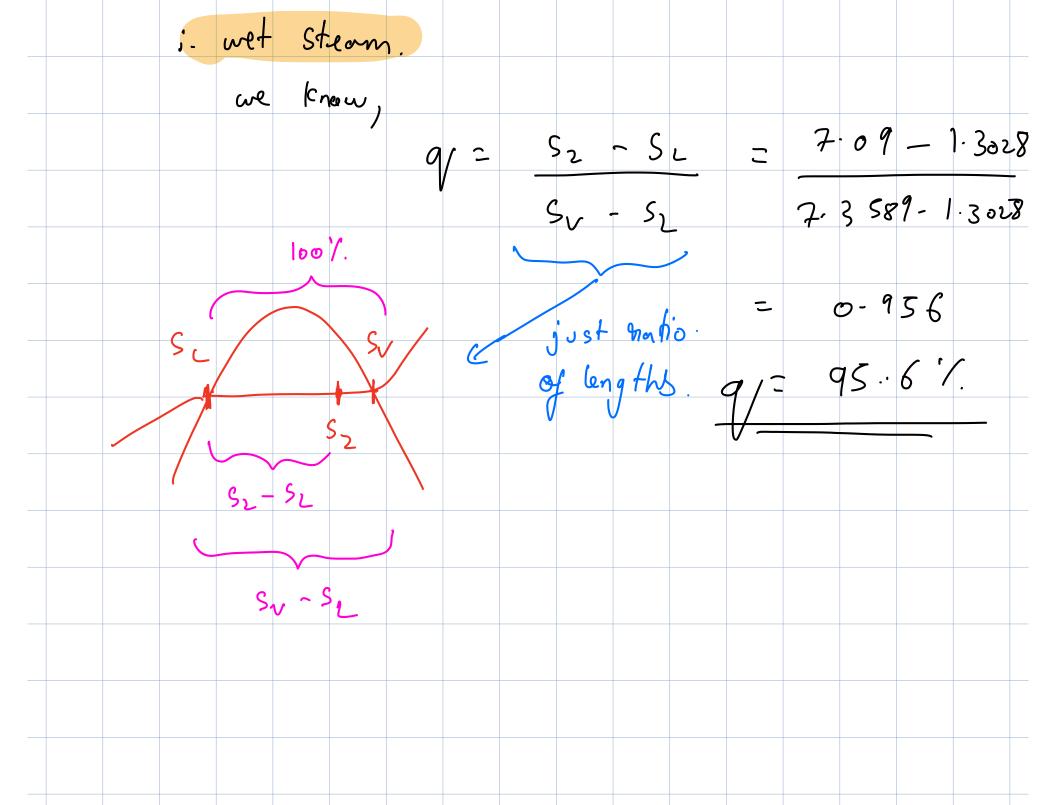
when adiabatic $Q = 0$ I for reversible $\Delta S = Q = 0$ Process $\Delta S = 0$ of adiabatic of reversible process $\Delta S = 0$ of adiabatic of reversible process $\Delta V = Q^{0} + W/6C$ $\Delta U = 0$ $\Delta H' = \Delta JU + W's$ $\Delta H' = W's$	
4 for reversible $\Delta S = Grav = O$ Process $\Delta S = O \text{adiabatic} \text{Process}$ $\Delta S = O \text{adiabatic} \text{Process}$ $\Delta V = \sqrt{1 + W/6c}$ $\Delta U = O \text{Du} = O \text{Du} = O \text{Process}$ $\Delta H' = O \text{Du} + W' = O \text{Du} = O \text{Du}$	
$\Delta S = 6 \text{of adiabatic } A \text{ nevers: ble}$ $Pho cuss$ $\Delta U = \sqrt{1 + w/ec}$ $\Delta U = 6$ $\Delta H' = \Delta JU + w's$ $A H' = w's'$	
$\Delta S = 6 \text{of adiabatic } A \text{ nevers: ble}$ $Pho cuss$ $\Delta U = \sqrt{1 + w/ec}$ $\Delta U = 6$ $\Delta H' = \Delta JU + w's$ $A H' = w's'$	
(b) $M = 35\%$. $\Delta U = 2^{1} + W/ec$ $\Delta H' = \Delta JU + W's$ $A H' = W's$	
$\Delta U = \sqrt{2} + \sqrt{2} $ $\Delta U = \sqrt{2} + \sqrt{2} $ $\Delta H' = \sqrt{2} + \sqrt{2} $ $\Delta H' = \sqrt{2} + \sqrt{2} + \sqrt{2} $ $\Delta H' = \sqrt{2} + \sqrt{2} $	
$\Delta U = \sqrt{2} + \sqrt{6}c^{2}$ $\Delta U = \sqrt{2} + \sqrt{6}c^{2}$ $\Delta H' = \sqrt{2}U + W_{5}'$ $AH' = W_{5}'$	
AH' = AJU + Wg' $AH' = Wg'$	
AH' = AJU + Wg' $AH' = Wg'$	
!_ AH' = Ws'	
$\Delta H \cdot M = W_S \cdot M$	

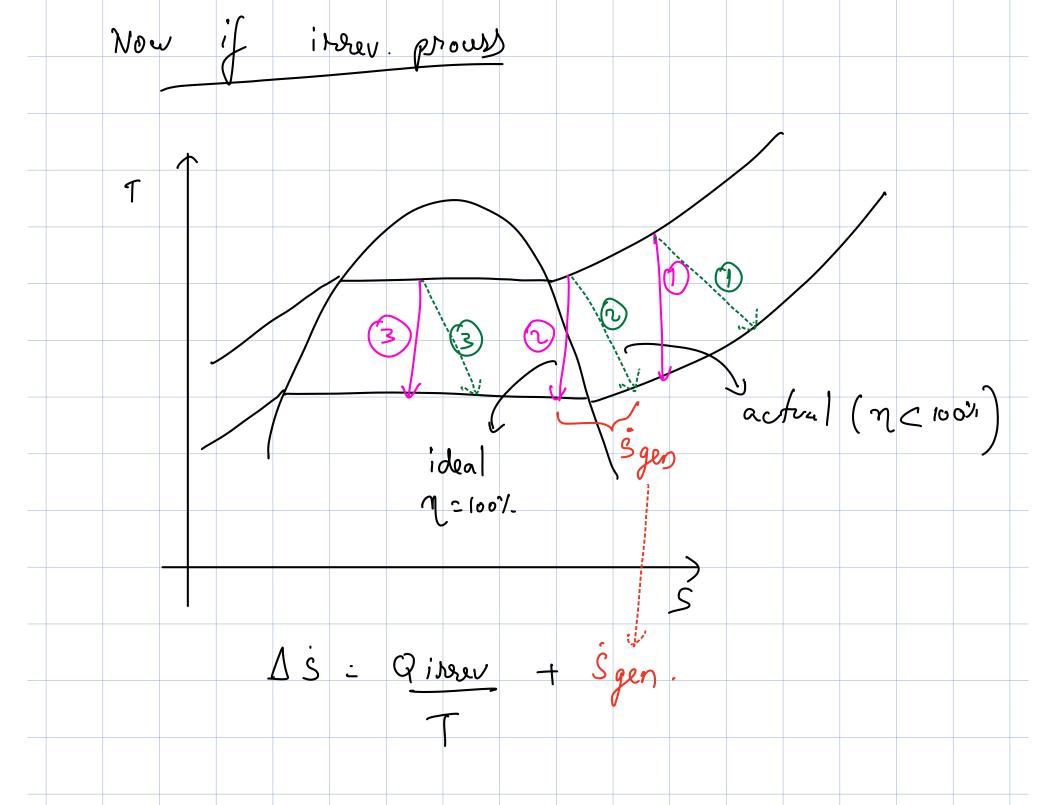


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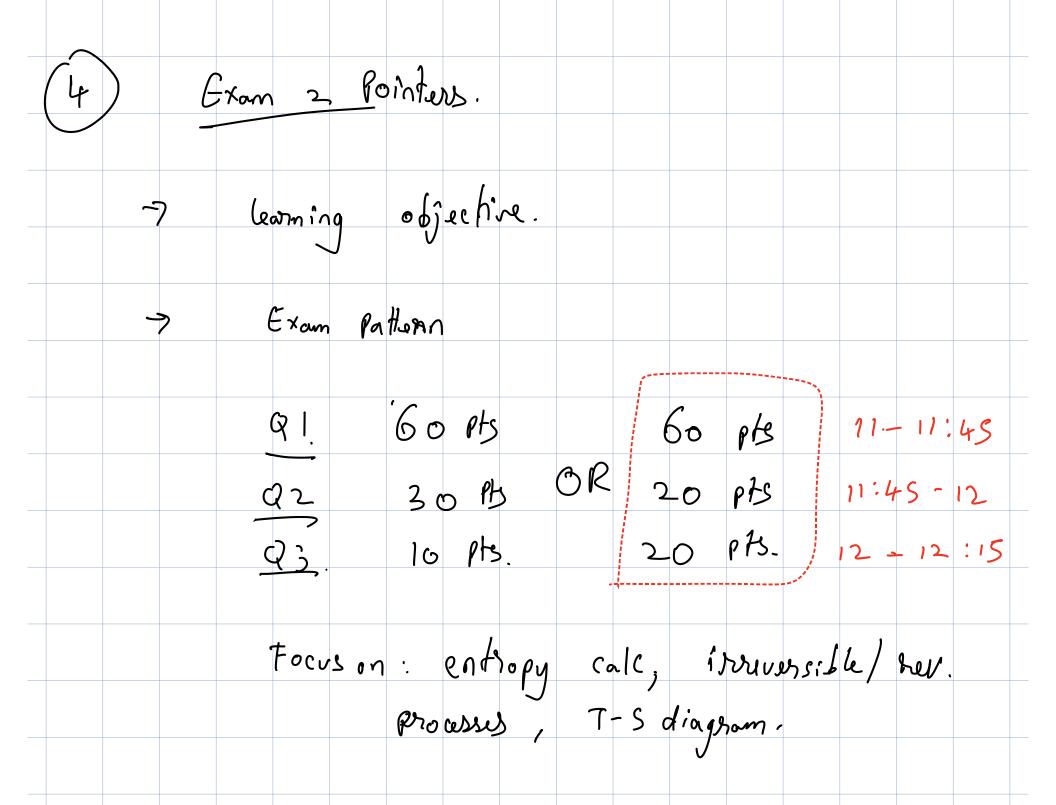


$$S_1 = 7 \cdot 09$$
 let $I_{Fg}K$
 $S_2 = S_1 = 7 \cdot 09$
 $O(R_1) = 1 \cdot 35 \cdot 89$
 $O(R_1) = 1 \cdot 30 \cdot 28$
 $O(R_1) = 1 \cdot 30 \cdot 28$

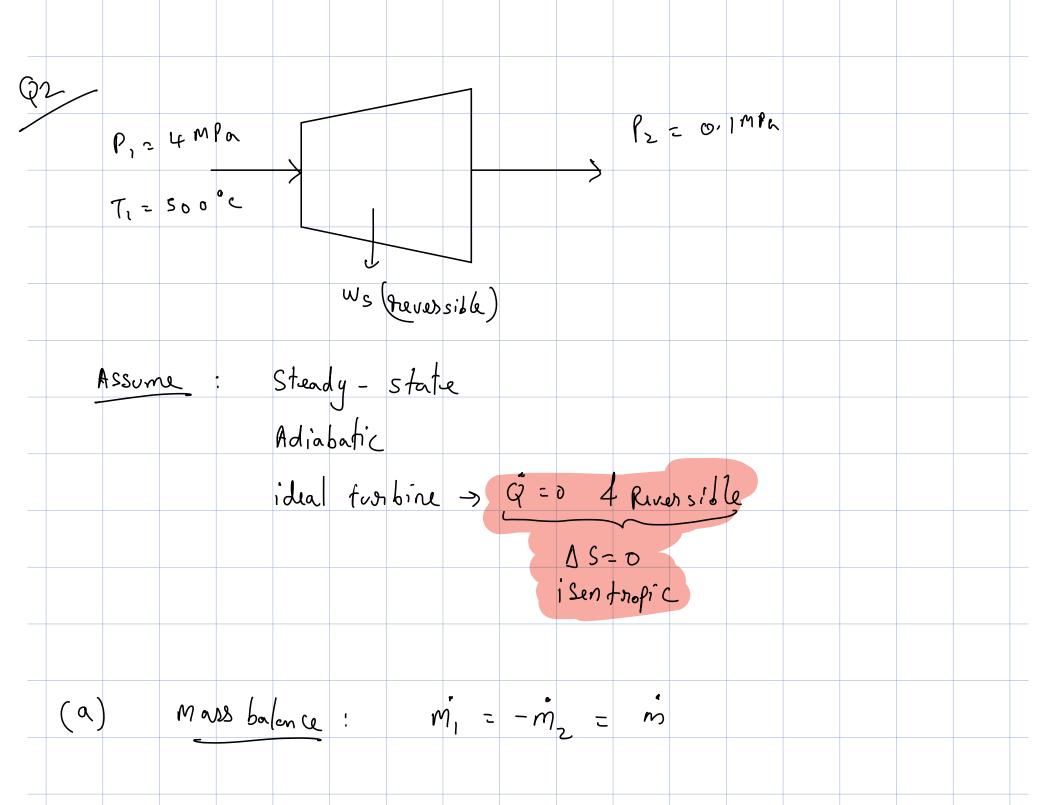




owing cases.						
Reversible O	<u>utlet</u>		<u>Actual</u>	<u>Outlet</u>		
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$\omega \rho^{sat} = 6.1 m P \alpha$
s = 1,3028 lc J11cg c
s = 7.3589
H = 417.50 } cJ rg
$\mu^{\sigma} = 2674.95$
$S' \subset S_2' \subset S^2$
interpolation of H @ 2
$y = y_2 - y_1 (x - x_2) + y_2$
L 21, 3028 417.50 91 72-71
2 1 7.0922 2575.54 y - 7.3589-1.3028 (7.0922-7.3589)
V 1527-3589 2674.95 42 2674.95 42 + 2674.95
= 2575·54

$$q = \frac{52' - 5^{\frac{1}{2}}}{5^{\frac{1}{2}} - 5^{\frac{1}{2}}} = \frac{7 \cdot 0.922 - 1.3028}{7 \cdot 3.589 - 1.3028} = 0.956$$

$$q = \frac{95.67}{95.67}$$

$$H_{L}' = H^{L} + q \left(H^{V} - H^{L} \right)$$

$$\Delta H_{Vap}$$

$$= \frac{1}{417.50} + 0.956 \left(2674.95 - 417.50 \right)$$

$$H_{L}' = \frac{1}{2} \cdot 575.54 + EJ |_{K_{2}}$$

$$\Delta H' = \frac{1}{2} \cdot 575.54 - 3446.0$$

$$\Delta H' = \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} - \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2} \cdot \frac{1}{2} \cdot$$

