TITLE TO THE TELEGIES OF THE TANGENT OF THE TANK THE TELEGIES.

And 1 4, = 2709.9 KJ/kg

First law of thermodynamics

= 5 (26596-27099) + Wtotal = [Wtotal = 331-5 1]

New, Wtotal = Wpeddle-stevam + Wsteame-piston

→ W_{5→p} = \$ 331-5+ 18.5

= /Ws = 350 KJ

DU = -55 XJ/kg

V= 0-0635 m3

Now, $W = P_3 V_3 - P_1 V_4 = \left[2(0.0635) - 8(0.02) \right] \times 10^5$

> [W = 16.5 KJ]

May
$$l = W + DU$$

$$= [16.5 - (0.25)(-55)] \times J$$

$$\Rightarrow [R = 2.75 \times J]$$
Ans $e.3$

$$D = 260 \times J/kg$$

$$P = 10^{5} + \frac{50x_{2}f}{0.01}$$

$$= 1.49 \text{ bat} = 149 \text{ kPa}$$

$$V = 59$$

$$V = 149 \text{ kPa}$$

$$V = 51$$

$$Naw = V + DU$$

$$= (-0.447 \times J)$$

$$V = -0.447 \times J$$

$$V = -1.747 \times J$$

$$P_{1} = -1.747 \times J$$

$$P_{2} = 5.16$$

$$Date = -1.747 \times J$$

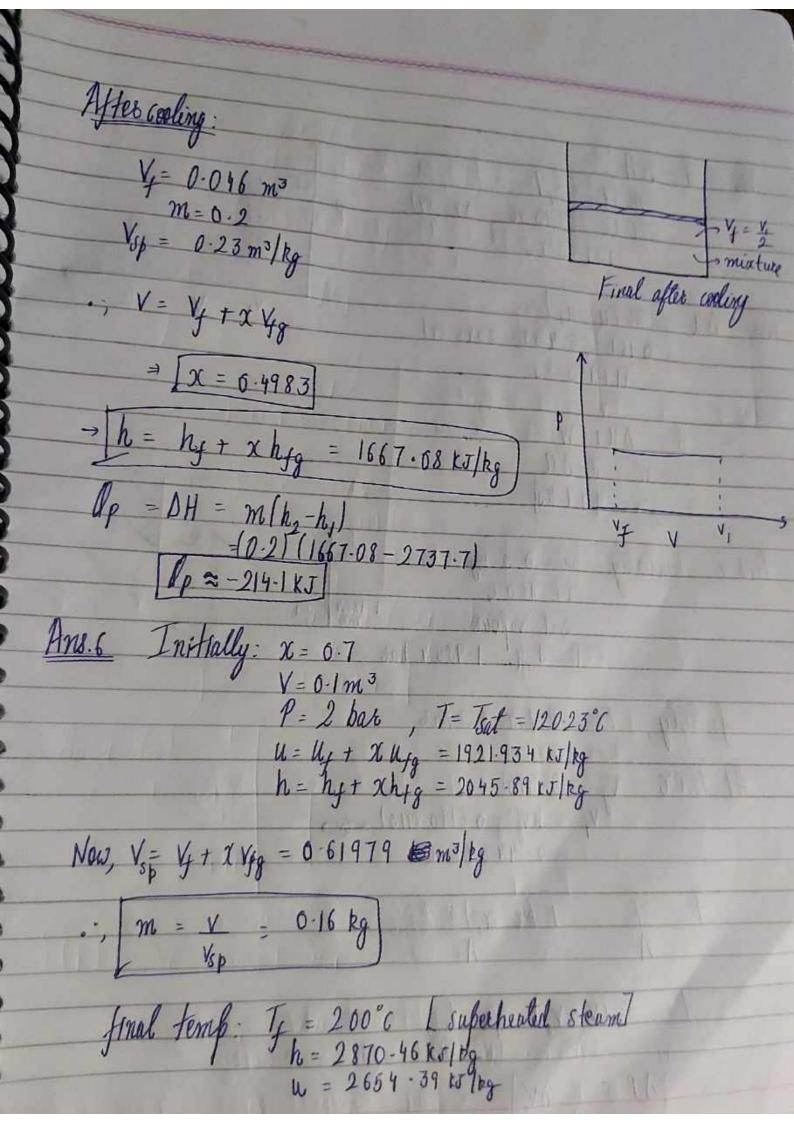
$$Naw = V + W_{2}J + W_{3}J$$

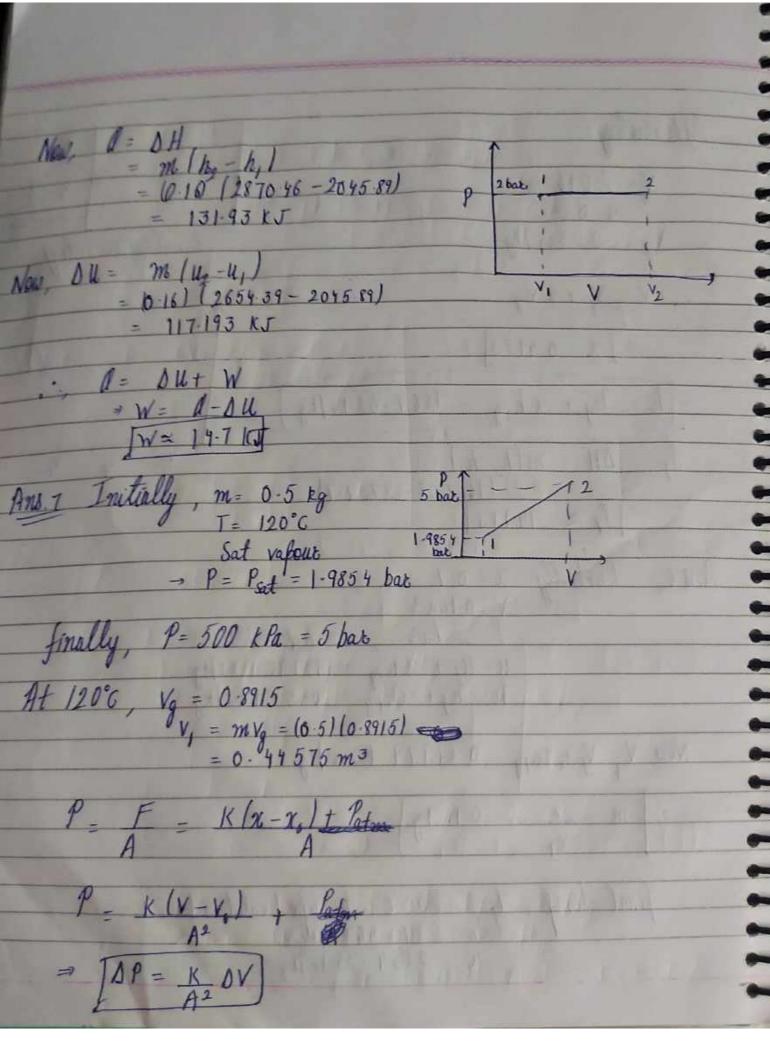
$$Naw = V + W_{3}J + W_{3}J$$

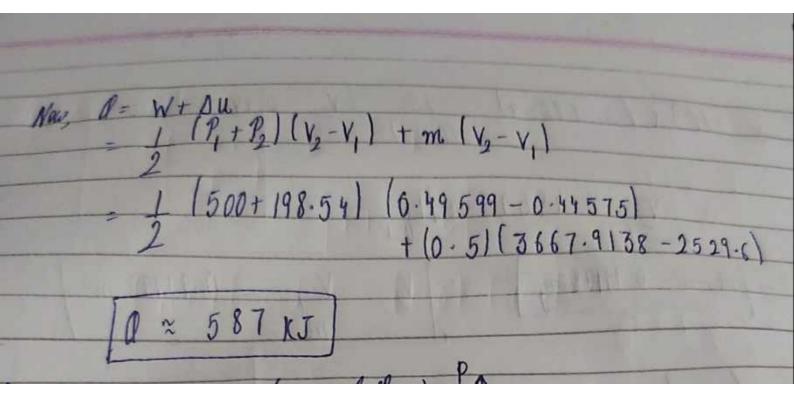
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For 2 \rightarrow 3, PV = C

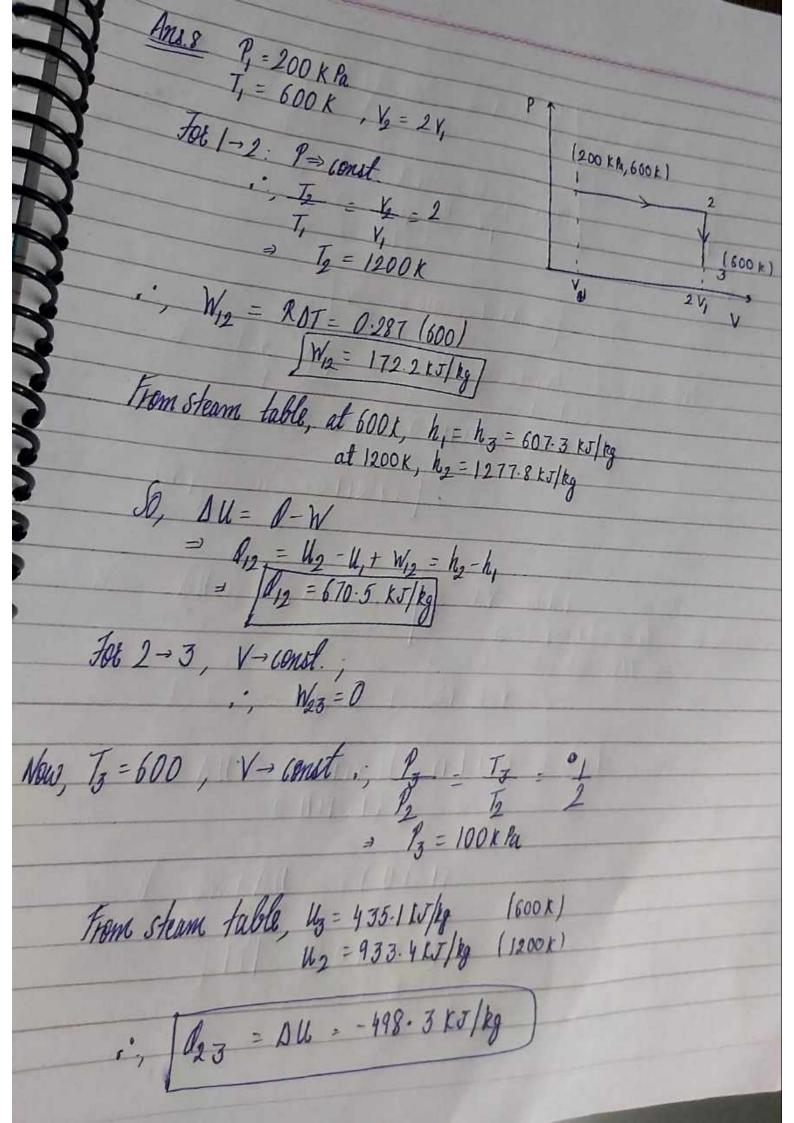
\Rightarrow P_2(0.028) = B(1.4)(0.0103)

\Rightarrow P_2 = 5.15 \text{ bat}
                                                      W23 = 18.782 KJ
                                                            Weycle = W23 + W3
= 18-782-10.5
Weyte 8.28 KJ
                            P23 = W23 + Stt23 0
= [18-782 KJ]
                                        Wycle >0 - Power yele
At 4 bat: saturated for saturated vapor 1 bat 1 
                                                                                                                                                                                                                                                                                                                                                                                     V=V, Initial
            \Rightarrow V_1 = (m V_g) = 0.092 m^3
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PML9 Regularities Explaned
$$n=125$$
 P

 $PV^{1-25} = C$
 $PV^{1-25} = QV^{1-25}$
 $V_2 = (24)^{-1/5} V_1$
 $V_3 = (24)^{-1/5} V_2$
 $V_4 = (24)^{-1/5} V_2$
 $V_5 = (24)^{-1/5} V_2$
 $V_7 = (24)^{-1/5} V_2$
 $V_8 = (24)^{-1/5} V_1$
 $V_9 = (24)^{-1$

And 10
$$PY'' = C$$
 $P = C$
 P

= | Q = - 61.89.KJ/kg