

(1) For adiabatic process

 $*\Delta U = -W = \underline{nR\Delta T}$

*dP = -YPPVY=C, TVY-1=C, P = C

(2) Carinat Engine - Pg 74 - Aribant book

 $\begin{array}{ccc} (3) & C_V = & R \\ & (Y-1) \end{array}$

(4) sperific heat capacity of water = 4.184 T kg/k-10

Heat

- no of units

B) q = mL L-7 latest heat

$$\alpha: \beta: \gamma = 1:2:3$$

$$S_1 = S_1 = S_1 + Y\Delta T$$

(i)
$$F_{B_1} = F_B \left(\frac{1 + Y_8 \Delta T}{1 + Y_4 \Delta T} \right)$$