1º Pemerme: Dano: V, T., Tz U= = PV; T. R. Du V=const=> U=const p = const Hours u: sl => sU=0 0,60T: 5U=0 Perregue: Darw: SA = polv - DRT dv Vo, ZVo T-const-300 K A. $DRT \int \frac{dV}{V} = URT \ln \frac{V_2}{V_1} = 1728 D_*$ MariTu: A $C = \sqrt{\frac{3RT}{M}}$; $enc = \frac{1}{2} en \frac{3R}{M} + \frac{1}{2} en T$ Dano. T=273K $\frac{\Delta C}{C} = \frac{\Delta T}{2T} = > \Delta C = \frac{1}{2} \cdot \frac{1}{273} \cdot 333 \approx 0,6146$ ST= 1K Hour Tu: SC W1.47 Penneme:

1) $P = dV \Rightarrow P = d \Rightarrow PV = d$ le n = -lDouco; V~4 CV $N = \frac{C - Cp}{C - Cv} = \frac{C - Cv - R}{C - Cv} = -1$ Hauru: C C-CV-R=-C+CV 20 = 2CV+R C = CV+R

Oxfor:
$$C = Cv + \frac{R}{2}$$

NI.42

Dano: Peweture:

 V_1, V_2

Hautu. A $PV^n = J$, $A_1V_1^n = A_2V_2^n$
 $A = P dV = d dV = V$
 $V_1^n = V_2^n = J_1 = J_2 = J_$

$$\beta = \frac{m}{V}$$
; $d\beta = -\frac{mdV}{V^2}$

$$C_{36} = \sqrt{-V^2} \left(\frac{dP}{dV} \right)_{PP} = \sqrt{\frac{r}{m}} = \sqrt{\frac{r}{M}} = \sqrt{\frac{r}{M}}$$

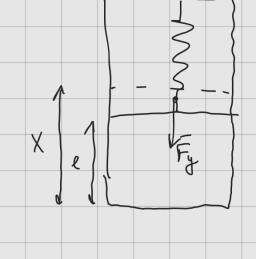
$$\frac{dc}{c} = \frac{d\overline{1}}{2\overline{1}} \Rightarrow dc = \frac{c \cdot d\overline{1}}{2\overline{1}}$$

N154

$$-po + ux - ue = ux$$

$$\overline{S} = S$$

$$\frac{dP}{dV} + \frac{dV}{dV} = \frac{dT}{T}$$



dPS + dV = dT $C = \frac{5a}{dT} = \left(\frac{\partial u}{\partial T}\right) + \left(\frac{\partial u}{\partial V}\right) + P \frac{\partial V}{\partial T} = \frac{1}{2}$ DV = L C = Cv + POV of + n ov = 0 $\frac{dP}{ux} + n \frac{8}{v} dx = 0$ $\frac{dV(1-n)}{\sqrt{T}}$ Fy = R Vn-Vo P = Po + Fy = Po + Po S2 (V-Vo) = Po V Vo S2 Vo A = Po = L => n = -1 => -1 = C-CA $-1 = \frac{C - C_v + R}{C - C_v}$ $C_V - C = C - C_V + R$ 2C = 2Cv + P C=CV+ = N183 Dato: Pemetrus:

T-600 c (1-1) 3 N C 57 ~

$$C_{p} = \frac{1}{9} \times \frac{1}{12} \times \frac{$$