Roller ponaris prosecol homosenas dQ = dH + SHI z. Tepucoperaneuran coat = c, odt + poll

pdl = polt (c-c) (pV=PRT PolV + Vdo = PholT' PolT (c-cv) + Vdo = PholT' Vdp = PolT (k+cv-c) $Vd\rho = VdT(c_{\rho} - c) = -PdT(c - c_{\rho})$ $Vd\rho = VdP = c - c_{\rho} = -n \quad (c$ $VdP = c - c_{\rho} = -n \quad (c$ En pt = -n. En V/V Enp-lapo = -nlav + nlab Enp + nlat = Enpo + n la Ho Enp+ enVn = const En (VM) = const $p = e^{const} = const$ $p = e^{const} = const$

1) Aguadamuou prosecci $dd = 0 \Rightarrow c = 0$ pV cp = const (3-k. Ryaccona) 3) $ll_{2}edapuers: dp = 0 p = const;$ $C = C_{p} \Rightarrow pV^{\circ} = const \Rightarrow p = const$ 4) theorem : dV = 0 $V = con \theta d$; $c = c_1 \theta$ (no year $c \neq c_1$) Alo: $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c - c_n$ $pol M c_p - c = Vap / c -$ Vo 3 Vova dVo V 6-po = x /o (B-1) 6 = Po (x-1) (B-1) + 1) 6 = x p - 1 po $p = \frac{\alpha \beta - 1}{\alpha - 1} p_0 - \frac{\beta - 1}{\alpha - 1} \frac{p_0}{V_0} \cdot V$ pV=PRTo # P

XB-1 po - B-1 po V= 2RTo . I /. WX-1) (dp-1) poV-(B-1) po 1 12-12 KTO (x-1) =0 D = [(2/3 - 2) po] - 42RTo (2-2) (3-2) 10 = 0 $(d\beta - z)^2 p_0 = 40RT_0(d-1)(\beta - z)\frac{1}{10}$ To = Polo (xp-1)2 Tmax? $\alpha = \beta = a$ To = 10 10 9 3 1 2 10 = 2RTo $P(V) = \mathcal{E} - aV$ PV = 2RT $EV - aV^2 = 2RT$ -al2+EV-DET=0 7=EV-al= $\bigcirc -\frac{a}{2R} V^2 + \frac{6}{2R} V$ V = 6 max = - 9 (6)2 + 8 20 Tmax = 400R

Pacces cuyras: $pV = const \qquad j = \frac{c}{a} = \frac{i+2}{i}$ pV= p, V, p = pr Va Vr [Pr Vs to = 6-aV] $P_{1}V_{1}^{r} = 6 - aV$ p = 6 - aV p' = -a p' = -a $p' = P_{1}V_{1}V_{2} + (-t) = -a$ $p_{1}V_{1}V_{2} = V_{1}(6 - aV)$ V8(6-aV) . - - a $\frac{yb}{y} - a = a$ 26 = a(1+1) V = 4(1+1) (x) Aprileques (*) B = d = 2: $V = \frac{\int \left(\frac{x\beta - L}{x - L}\right) \rho_0}{\frac{\beta - 1}{x - 1} \cdot \frac{\rho_0}{V_0} \left(1 + f\right)}$ $V = \frac{\int (\alpha \beta - 1) V_0}{(\beta - 1)(1 + f)} = \frac{3 V_0}{1 + f} =$ $\frac{3.\frac{5}{3}V_0}{1+\frac{5}{3}} = \frac{15}{8}V_0 \left(2 V_0\right)$