H(S,P) $H=U+PV$ $dH=F(T,V)$ $F=U-TS$ $dF=$	$7dS - PdU$ $AU_v = Q _v$ $7dS + VdP$ $\Delta H_P = Q _P$ $-SdT - PdU$ $\Delta F_{\tau} = -A _{\tau}$ $-SdT + VdP$ $\Delta G_{\tau,P} = 0$	'	K U Te	
Morchens $ \begin{pmatrix} \frac{2}{2} & \frac{3}{2} & \frac{1}{2} \\ \frac{3}{2} & \frac{3}{2} & \frac{1}{2} \\ \frac{3}{2} & \frac{3}{2} & \frac{3}{2} \\ \frac{3}{2} & \frac{3}{2} & \frac{3}{2} & \frac{3}{2} \\ \frac{3}{2} & \frac{3}{2} & \frac{3}{2} & \frac{3}{2} & \frac{3}{2} \\ \frac{3}{2} & \frac{3}{2} & \frac{3}{2} & \frac{3}{2} & \frac{3}{2} & \frac{3}{2} \\ \frac{3}{2} & \frac{3}{2} \\ \frac{3}{2} & $	Pashour tempenhousen: $\left(\frac{\partial U}{\partial V}\right)_{T} = T\left(\frac{\partial P}{\partial T}\right)_{T} - P \Rightarrow C_{X} - C_{U} = T\left(\frac{\partial P}{\partial T}\right)_{X} \left(\frac{\partial V}{\partial T}\right)_{X}$			
$\frac{\sqrt{26}}{\sqrt{26}} = \frac{\sqrt{26}}{2696} = \sqrt{\frac{76}{600}}$ $\sqrt{\frac{96}{76}} = \sqrt{\frac{26}{760}} = \sqrt{\frac{26}{760}}$ $\sqrt{\frac{16}{76}} = \sqrt{\frac{26}{7600}} = \sqrt{\frac{26}{7600}}$	uapanousu 703: ΔS = 5 ^Q ΔS = V C / To + V L L J = CpV l L - V R l P = = VC (PV)			
Robelpuoruoe natineme : Sh ^{enem} _T = Froe = <(T).N	$= \partial C_V \ln \frac{P_V^4}{P_0 V_0^4}$ Posobore repersore: yourse			
$M_{\text{TOO}}(\tau) = \Pi(\mathcal{E} - \tau \frac{d\mathcal{E}}{d\tau}) + \frac{1}{C_{\text{tot}}} = \mathcal{E} \cdot L$ $Q_{\text{qua}} = C_{\text{const}} \text{ yben. Thenk} = -\Pi(\tau \frac{d\mathcal{E}}{d\tau})$ $Q_{\text{puyna}} = \Lambda_{\text{annoco}} \cdot \Delta P = \mathcal{E}\left(\frac{R}{R} + \frac{1}{R_2}\right)$	Xun. notenguar $M=G/N$, $d_{M}=-SdT+vdP$) $M=F+PV=U-TS+PV$, See werene			
Lynnungh: $\Delta P = E/R$ Kanne: $\Delta P = 2E/R$	=\-\frac{RT}{M} yp.e Knaneúboua-Knay	symba: $\frac{dP}{dT} = \frac{9}{T(\sigma_2 - \sigma_1)}$	-π - Ν - 2 _Δ	
$(0.50<1-0=\pi \text{ Now theorem })$ $(0.50<1-0=0 \text{ Chon, we can o})$ $(0.50<1-0=\pi \text{ Now theorem })$	How Klowbox nob., echu $P = P_0 \exp(-\frac{MQ}{R}(\frac{1}{T} - \frac{1}{R}) + \frac{1}{R_0} \Rightarrow P = P_0$	+ Vinua · EK	9 ₁	
Pryktypym: (2F) = N. (24)6 · zaczny b Szene (20) = 1	HO ECAN $\leq K \gg \Delta P : P = P_0$ $P_0 - gabrems nog rocke$ $R_{KP} = \frac{26}{(P_0 - P_{Mag})} - 3e^{\frac{1}{2}}$	~ nobelpxuborous	н у М	
- 25 εκνα Δ <u>ν</u> = -kτ(20 / ₂) - 3 μοβρτια <u>Δε</u> ² = kτ ² 2 ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε	Section $\Delta V = \frac{1}{160} \frac{1}{100} $			
Whenever reference: $\Delta u \neq u_{2} = u$				
$C_{1} = \frac{2}{2N} \left(\frac{2N}{2N} \right)^{2} + C_{1} \cdot \frac{2N}{2N} $ Som some cropocite remotive $j = -2 \cdot \frac{2N}{2N} + C_{1} \cdot \frac{2N}{2N} + C_{2} \cdot \frac{2N}{2N} + C_{3} \cdot \frac{2N}{2N} + C_{4} \cdot \frac{2N}{2N} + C_{5} \cdot \frac{2N}{2$				
cope by: $\frac{\partial r}{\partial v} = \frac{L_{5}}{1} \frac{\partial L}{\partial v} \left(D L_{5} \frac{\partial L}{\partial v} \right) + M,$ $\frac{\partial r}{\partial v} = \frac{L_{5}}{1} \frac{\partial L}{\partial v} \left(D L_{5} \frac{\partial L}{\partial v} \right) + M,$ $\frac{\partial r}{\partial v} = \frac{L_{5}}{1} \frac{\partial L}{\partial v} \left(D L_{5} \frac{\partial L}{\partial v} \right) + M,$ $\frac{\partial r}{\partial v} = \frac{L_{5}}{1} \frac{\partial L}{\partial v} \left(D L_{5} \frac{\partial L}{\partial v} \right) + M,$				
$U = B \cdot F$, $D = B k T$, $B = \frac{1}{6πηΓ}$ $U = 2 (un 6) un 4$ $U = 2 ω 2 (un 6) un 4$ $U = 2 ω 2 ω 2 ω 3 ω 4$			FI TO	
$k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } N = \frac{1}{3} \cdot 2R \cdot \overline{U}$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$ $k_{N} = \frac{1}{2} \times 1 \implies \text{pasperheurun for } (\text{ bec xolowo})$				
Posperennoù lu>2 [Troposio - Gebrynn 1648ko - Gebrynn 1648ko - Mazerinb	Re= <u>8151</u>	w-	

 $α = \frac{\sqrt{2}}{\sqrt{27}}$ $α = \frac{\sqrt{27}}{\sqrt{27}}$ $α = \frac{\sqrt{27}}{\sqrt{27}}$ $α = \frac{\sqrt{27}}{\sqrt{27}}$ $\sqrt{SD} = \sqrt{\frac{SD}{SD}}$ enveloaybum rospp. Galrena $\lambda = \frac{e}{r} \left(\frac{\partial P}{\partial T} \right)_{V}$ диобочический стимовтого В= X Вт Деффикции Твердого стерини: SA = -fdl+pdl, du = TdS+fdl, $|S = (\frac{\partial S}{\partial T})dT + (\frac{\partial S}{\partial T})dL = > T.K. TdS = SQ = CdT : \frac{C_L}{T} = (\frac{\partial S}{\partial T})$ $\Rightarrow dT = \frac{T}{C_L} \cdot \left(\frac{\partial f}{\partial f}\right) \cdot dL$ Moreover shape: $V_{3R} = \sqrt{\frac{3P}{3P}}_{S}$, $V_{u.r.} = \sqrt{\frac{RT}{M}}$ Sau-gep-Boarbe: (P+003)·(V-08)=DRT $V_{kp} = 38$, $P_{kp} = \frac{\alpha}{276^2}$, $T_{kp} = \frac{8\alpha}{276R}$ $=\frac{P}{P_{\kappa_{\mathbf{P}}}},\;\varphi=\frac{V}{V_{\kappa_{\mathbf{P}}}},\;\; \mathsf{T}=\frac{\mathsf{T}}{\mathsf{T}_{\kappa_{\mathbf{P}}}}:\left(\pi+\frac{3}{\mathsf{Y}^{\kappa}}\right)\!\!\left(\varphi-\frac{\mathsf{P}}{3}\right)\!\!=\!\frac{3}{3}\mathsf{Z}$ $I = C_V T - \frac{\alpha V^2}{\alpha V^2}$, $\Delta W = C_V \Delta T + \frac{\alpha}{\alpha} \Delta W$, $= 0 C_{N} \ln \frac{T}{T_{0}} + 0 R \ln \frac{V-Q}{V_{0}-Q}, nonumpons : T(V-Q) = const$ 1 Dobume Beloughu. Ə44erz L-T = + U + Enor + = = const; gul u.r.: Hys = CPT illevenar Устегение гозов из дырки: $U^{\frac{2}{n}} \stackrel{!}{\underset{\leftarrow}{P}} C_{p}(T_{1} - T_{2})_{2} T. \kappa. agrical : P_{1}^{X-1} T_{1}^{X} = P_{2}^{X-1} T_{2}^{X-1}$ $v_{s} = \frac{1}{2} C_{p} \left(7 - \left(\frac{L^{s}}{b} \right) \right) \times \frac{1}{2} C_{b} L^{1}$ Duppepengranouni D-T: $\left(\frac{\Delta T}{\Delta P}\right)_{H} = \frac{1}{C_{P}\left(\frac{\partial P}{\partial V}\right)_{T}} \left(\frac{\partial P}{(V - \theta)^{2}} - \frac{2\alpha}{V^{2}}\right)_{2} Tunl = \frac{2\alpha}{R\theta} \left(\frac{V - \theta}{V}\right)^{2}$ Naerfanburú Δ-T:

 $\left(\frac{2T}{2P}\right)_{H} = \frac{\frac{2\alpha}{RT} - \beta}{C_{V} + R}$, $Tunb = \frac{2\alpha}{RE}$

Ochpegeneure Marchenn: & = a/2 = T2-T2 $= (v)dv = 2\left(\frac{m}{2^{n+1}}\right)^{\frac{1}{2}} e^{-\frac{nv^2}{2kT}}dv - ognoverbHerry$ $Q = \sqrt{\frac{\mu}{2}} \frac{\mu}{\mu} \frac{\mu}{2} \frac{\rho}{2} = \frac{\mu}{2}$ (v)dV=2716(2mk)e_2kTdv-gbynepmi $-(v)dv = 4\pi v^2 \left(\frac{m}{2\pi kT}\right)e^{-\frac{mv^2}{2kT}}dv - \pi \text{ perneputur}$ J=184 73=34 Vne=124 $x^{2n} \exp(-\alpha x^2) dx = \frac{1}{2} (2n-2) || (2n)^{-n} \sqrt{\frac{\pi}{\alpha}}$ $x^{2n+1}\exp(-\alpha x^2)dx = \frac{\ell}{2} \sin \alpha^{-1}$ $\frac{2}{\sqrt{(\epsilon/\delta)^3}} = \frac{2}{\sqrt{(\epsilon/\delta)^3}} = \frac{1}{\sqrt{\epsilon}} = \frac{1}$ ocupederamas pourinama; N(x)=N°s=1 $C = \frac{N'_i N^{s_i} \cdots N^{w_i}}{N_i}$ - Korbo ersek, N; - Korbo racruy b i erselike

G- Kar lo nuntpococrosmin, Karopure pearuzques gamos naxpacocrossus. $S = k \ln(G) = N\left(\frac{3}{2} \ln T + \ln \frac{1}{N} + S\right)$