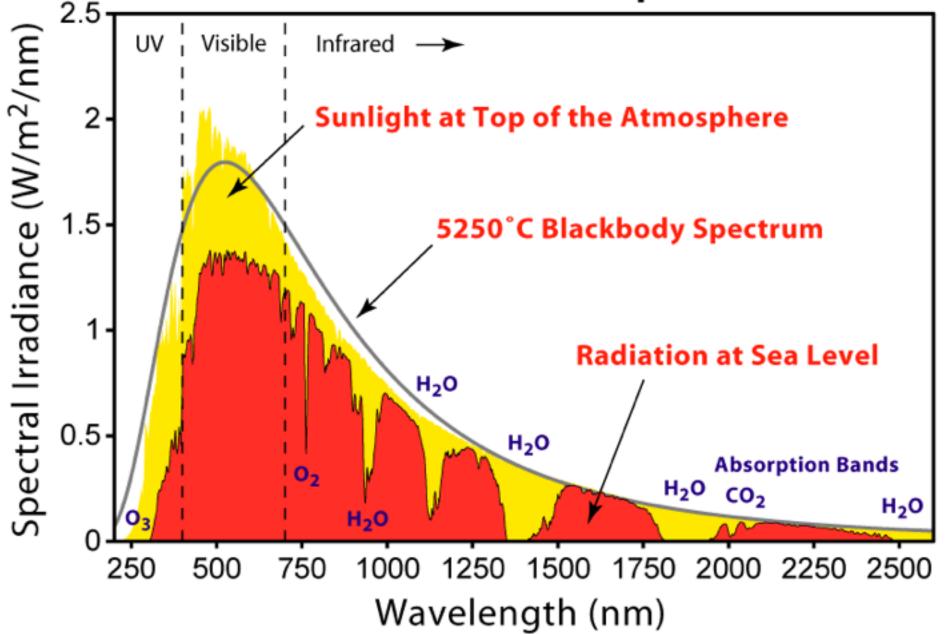


Solar Radiation Spectrum



 $P = \frac{1}{3} \frac{U}{V}$

U = p(T) = densidade

a é função du tomporatura

7

115 modonços isotérmica. Como U = P(T) ~ U se monton 50 possibel se peredes de cosidede absorver ou enition radiaga. Resumindo tomos! $P = \frac{1}{3} \frac{U}{V}$ $\frac{U}{V} = P(T)$ e dU=TdS-PdV Note que U= VP(T) ~ du=d(vp(T)) = TdS-pdv/ P(T) dV+V dpm = T 25 - 3 P(T) dV - 5 8 (1) dV + V dPm = TdS dS= = = f(1) dV + V dp(1). Con SES(V, (1))-0 (35) = 4 p(t); 25

$$\frac{\partial}{\partial e_n} \left(\frac{A}{B} \frac{\rho(n)}{T} \right) = \frac{\partial}{\partial V} \left(\frac{V}{T} \right)_{e_n}$$

$$\frac{4}{3}\frac{\partial}{\partial e^{(7)}}\left(\frac{p^{(7)}}{T}\right) = \frac{1}{T}$$

$$\frac{3}{3} \left[\frac{1}{7} - \rho(\tau) \frac{1}{7^2} \left(\frac{2T}{2\rho(4)} \right) \right] = \frac{1}{7}$$

$$\frac{3}{4}\frac{1}{T} - \frac{1}{T^2} = -\frac{1}{T^2} \left(\frac{\partial T}{\partial \rho(T)} \right)_{\nu}$$

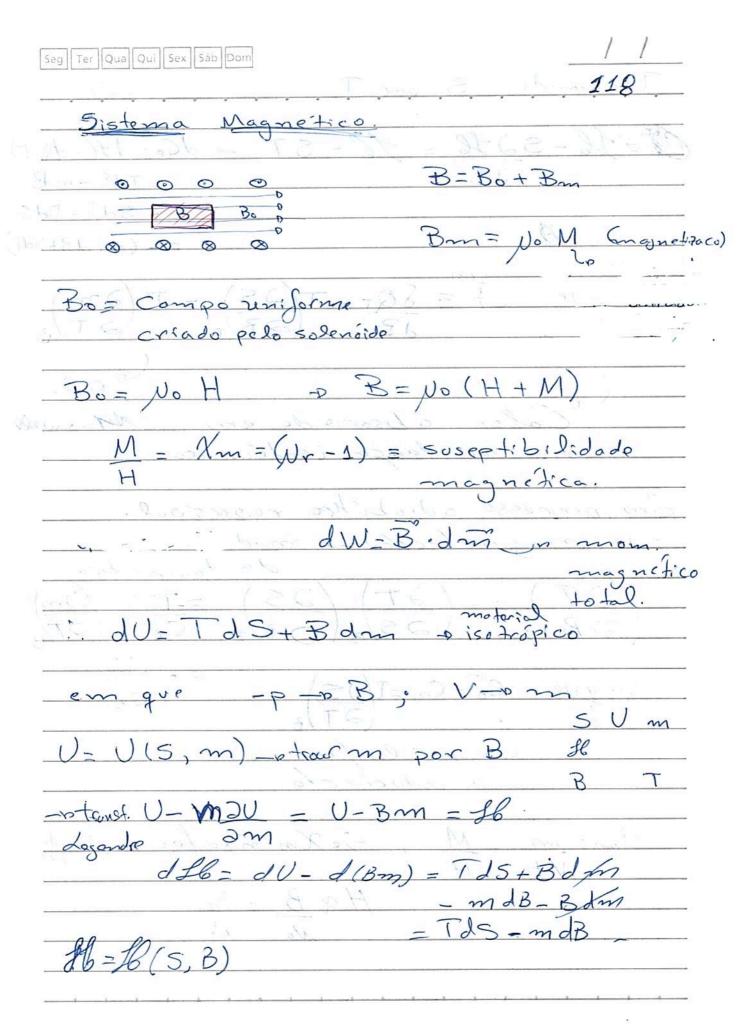
$$\frac{1}{4} \frac{T}{\rho(\tau)} = \left(\frac{\Delta T}{\Delta \rho(\tau)}\right)^{\nu}$$

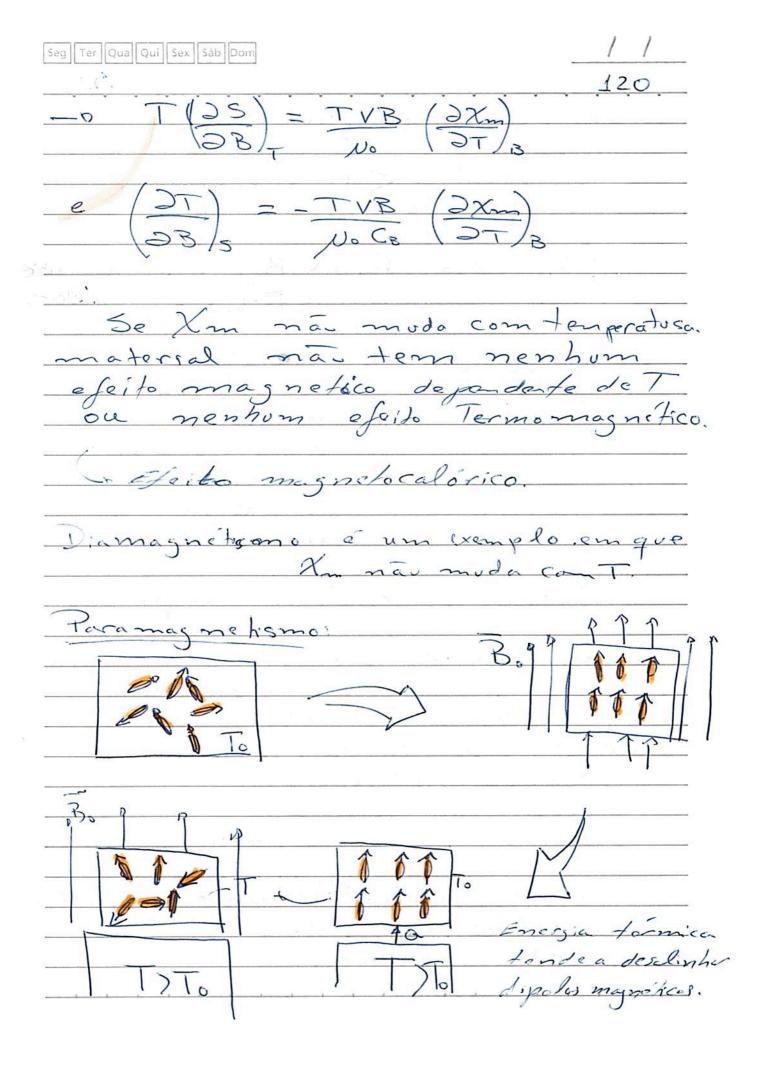
$$\frac{\partial \rho(\tau)}{\partial \tau} = \frac{4\rho(\tau)}{\tau}$$

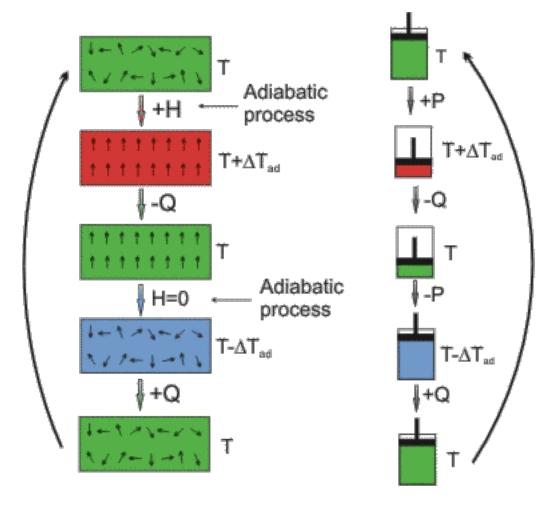
$$\frac{\partial f(\tau)}{\partial r} = \frac{4}{7} d\tau - 2nf(\tau) = 4nT + 2$$

$$f(\tau) = \frac{4}{7} d\tau - 2nf(\tau) = 4nT + 2$$

$$f(\tau) = \frac{4}{7} d\tau - \frac{4}{7} d\tau - \frac{4}{7} d\tau = \frac{4}{7} d\tau - \frac{4}{7} d\tau -$$







Magnetic refrigeration

Vapor cycle refrigeration

Seg Ter Qua Qui Sex Sáb Dom 121 poramagnético! rocesso isofermico. Dariagende. magnetitaca Entropia e ordon magnética. magnetitaga. de un meterid peramanitio asmenta ordenamento de dipolos majnéticos (ordem majnética), e portonlo decresce a contribuiça magnetica / or enpopier desistano figura de seriação de entropa / tomperate B=0 Te indica tordenamalo espontana. 2/ +mparalors mais altos. se R tropia e redutida

Fig. 8.5. The entropy of a paramagnetic salt as a function of temperature and magnetic induction.

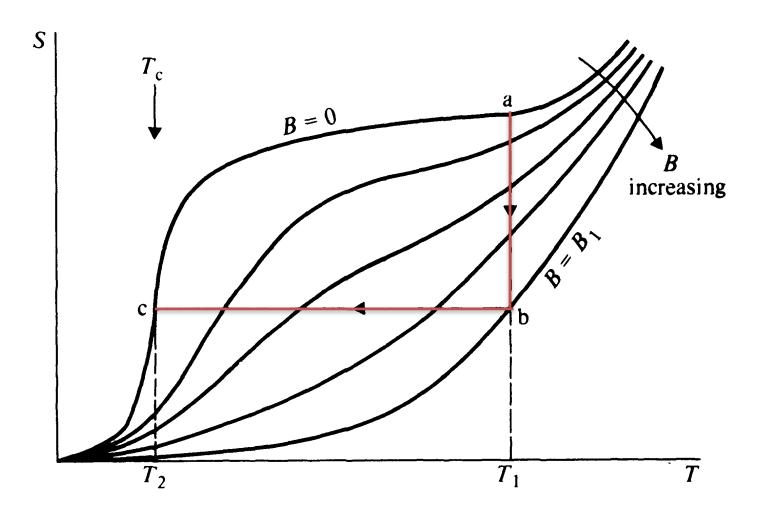
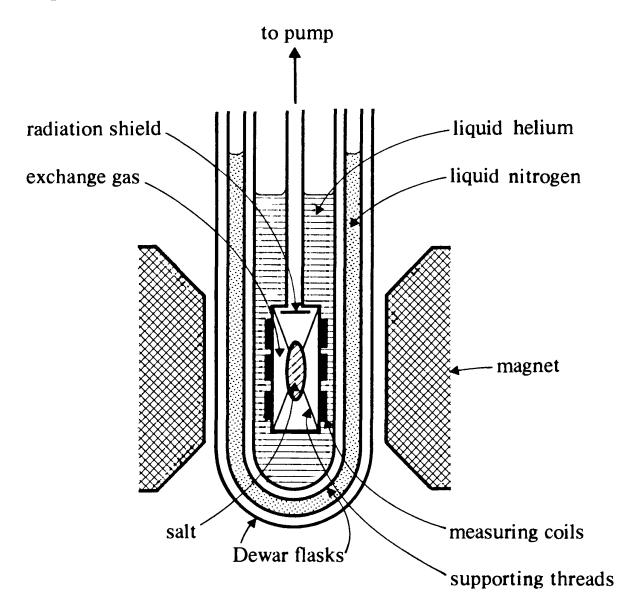
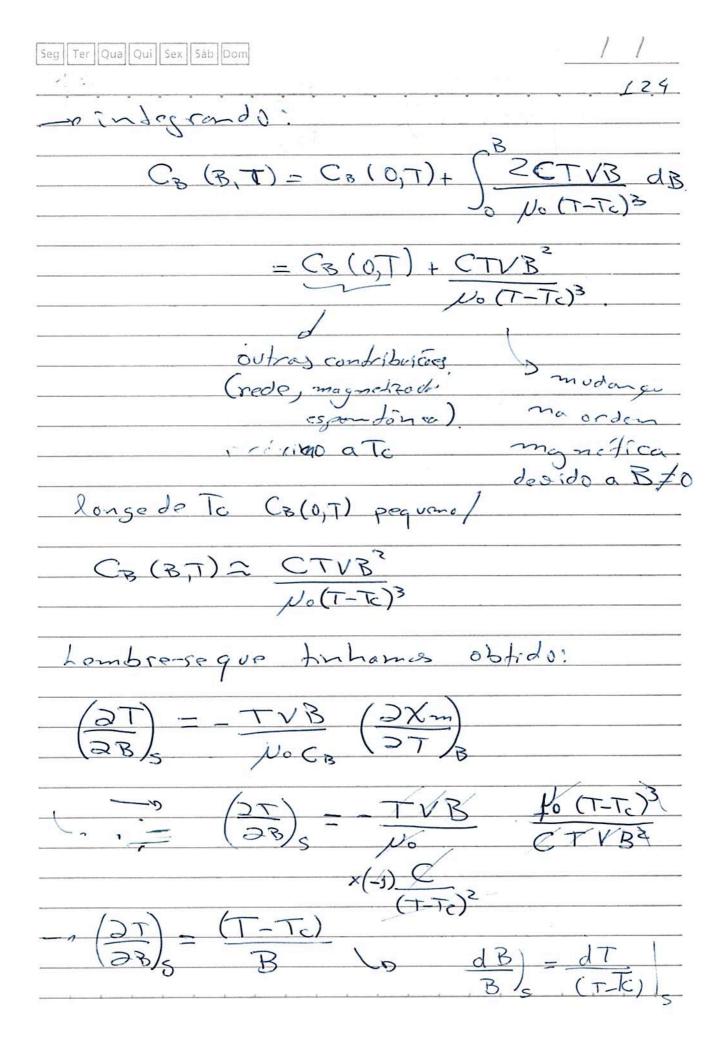
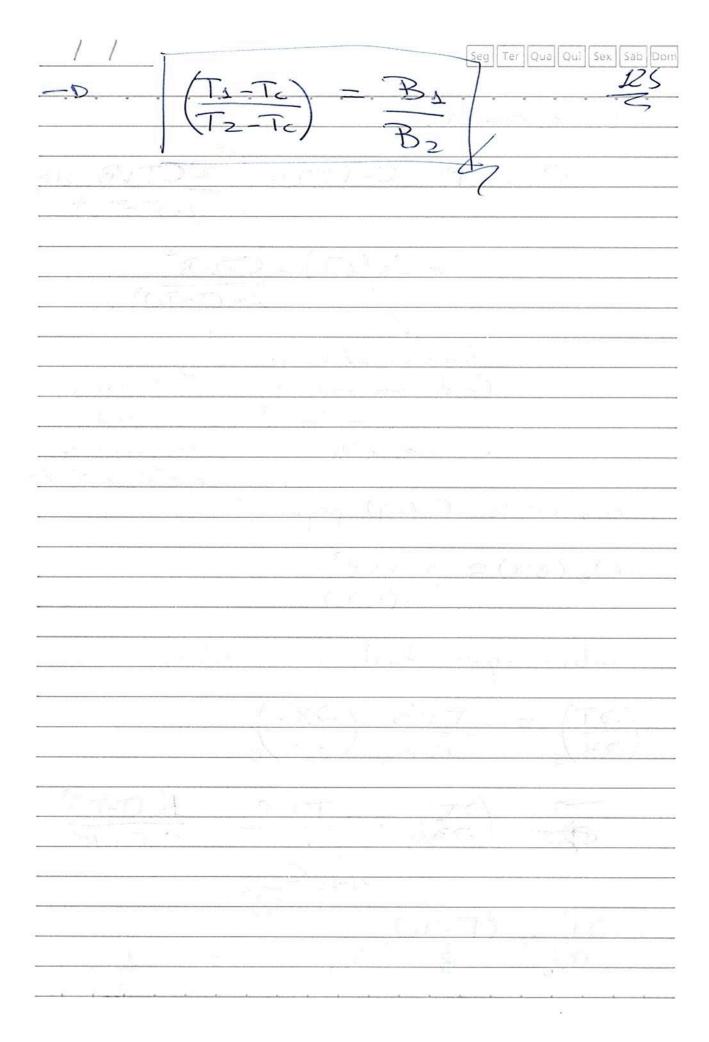
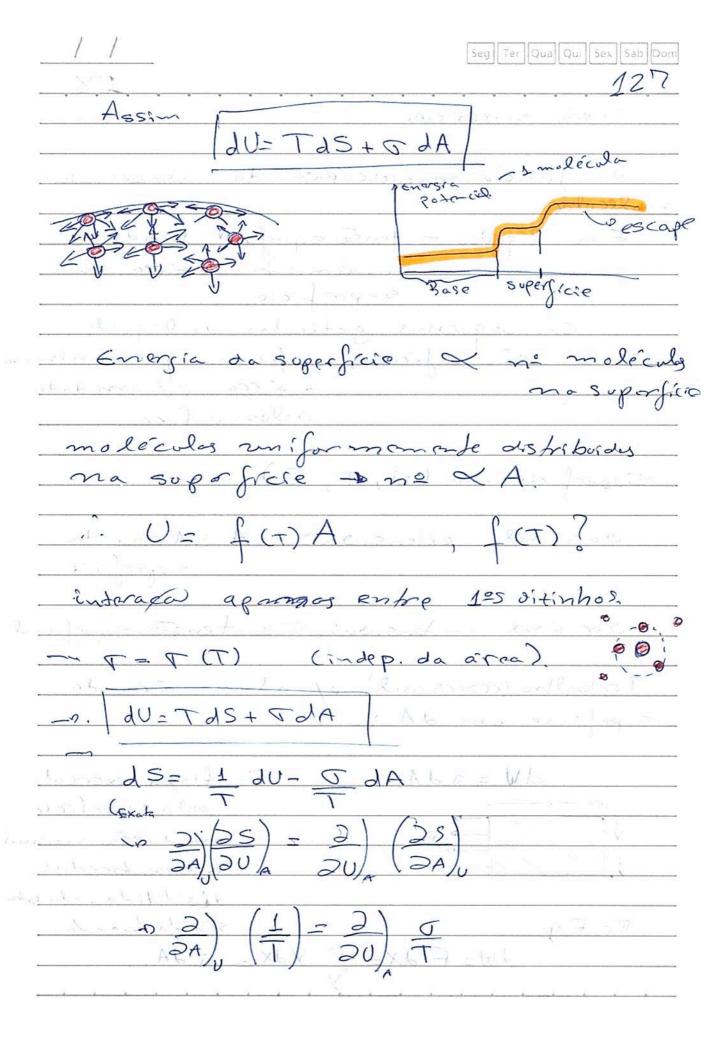


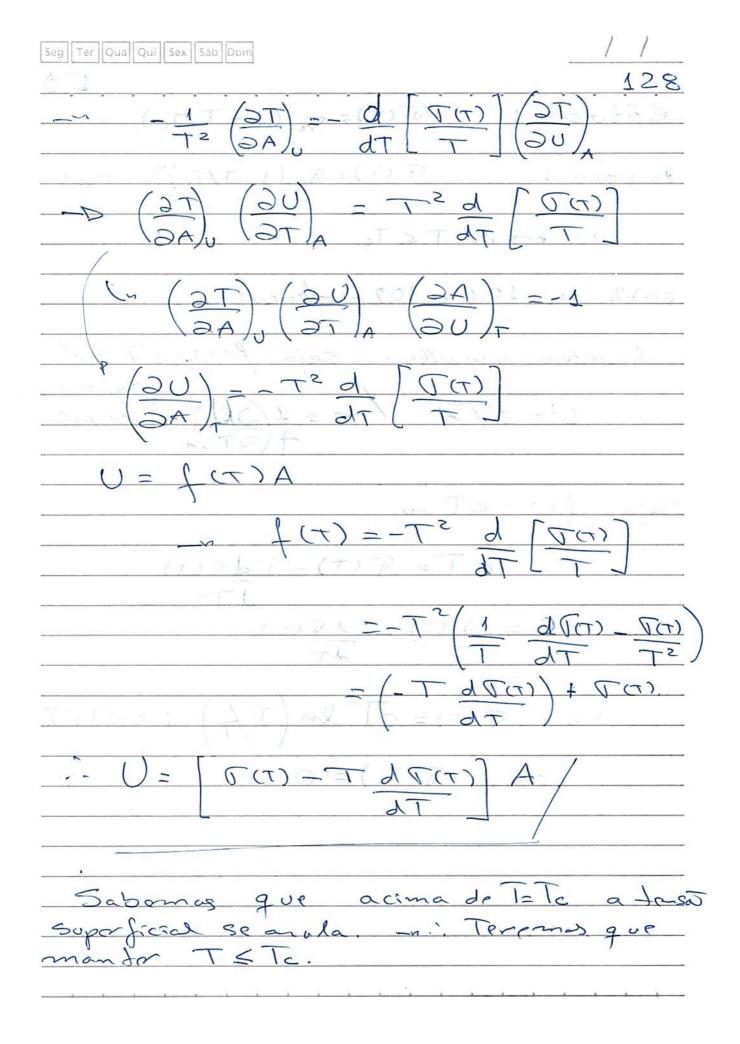
Fig. 8.6. A typical arrangement for adiabatic demagnetization experiments.

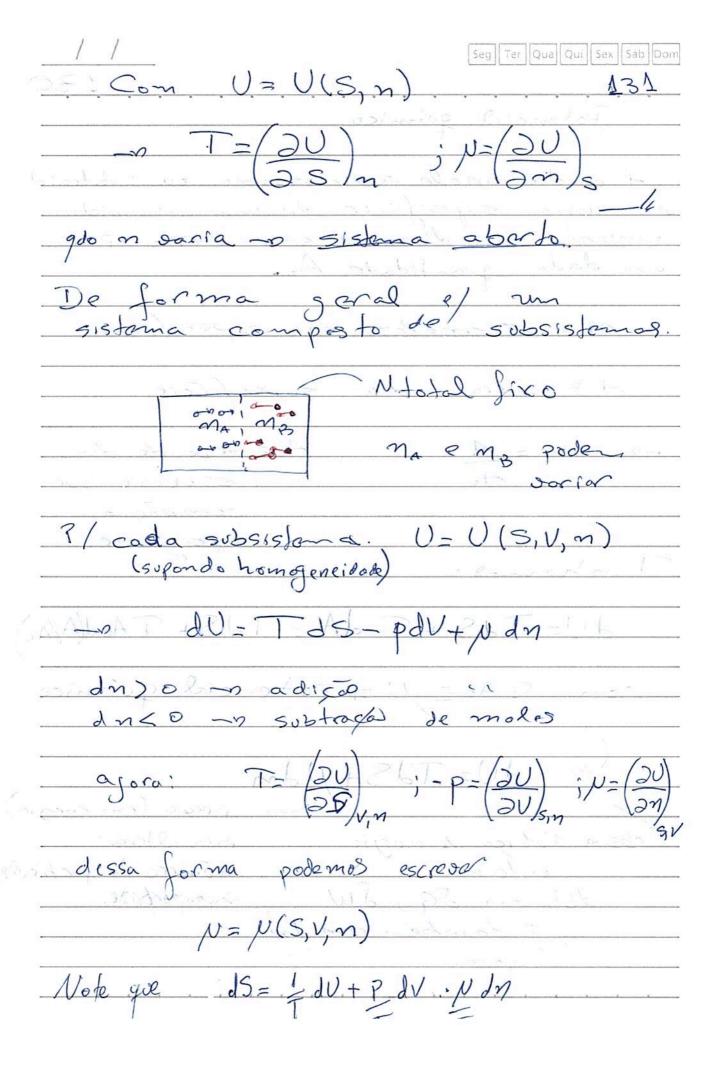


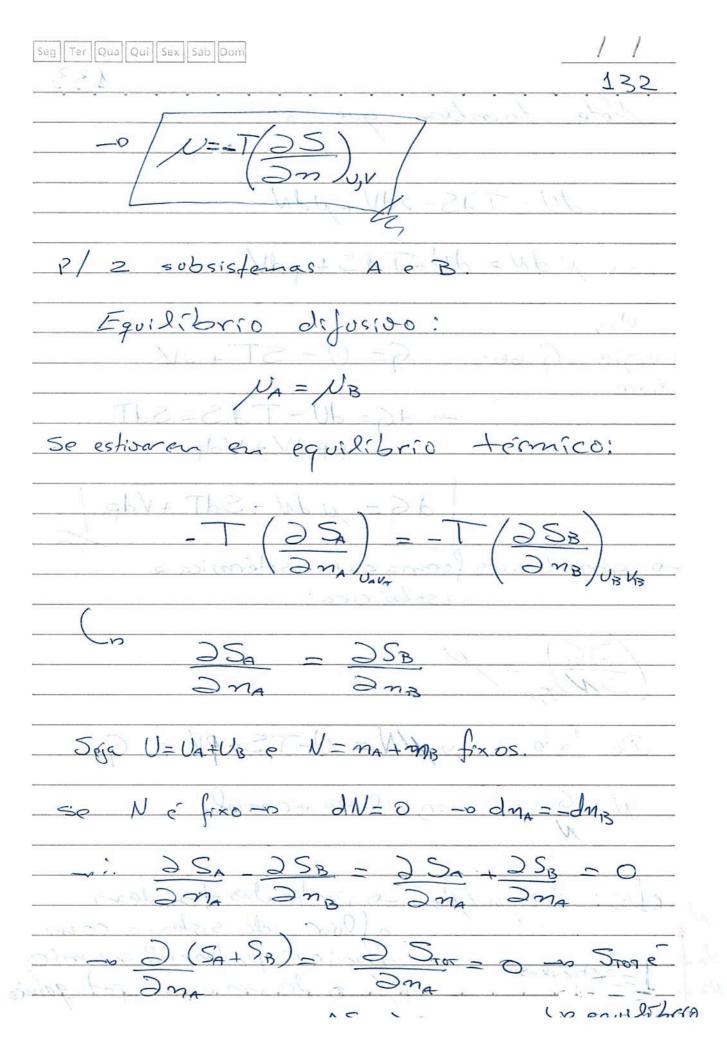












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