$$\frac{dP}{d\Gamma} = \frac{1}{T(v_2 - v_1)}$$

$$75.$$

$$7_1 = 2 \text{ atm.} \qquad \Delta P = P_1 - R = 1 \text{ atm.} = 101325 Pa$$

$$P_0 = 1 \text{ atm.} \qquad v_2 = v_T = 1000 \text{ atm.} = 101325 Pa$$

$$V_V = \frac{WRT_0}{P_0} ; \quad v_T = \left(\frac{M}{M}\right) \frac{RT_0}{P_0}$$

$$W(H_2 G) = 2 + 16 \text{ g/m/l} \quad \left(\frac{M}{M}\right) = \frac{1}{18} \text{ mol/g}$$

$$v_T = \frac{1}{18} \times 10^3 \times 8_1 3 \cdot 14 \times 373 = 2 \cdot 1.7 \text{ mol/g}$$

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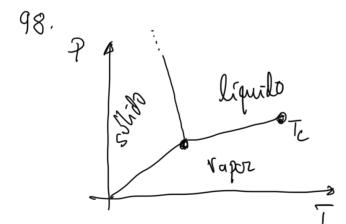
$$v_T = \frac{1}{18} \times 10^3 \times 8_1 3 \cdot 14 \times 373 = 2 \cdot 1.7 \text{ mol/g}$$

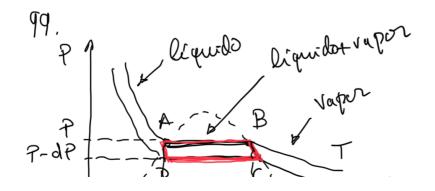
ou: mando a transição de fore líquido-vajor

$$\frac{dP}{dT} = \frac{\lambda}{T(v_v - v_l)} \frac{\lambda}{T} \frac{\lambda}{T(v_v)} = \frac{\lambda}{T(\frac{m}{m})} \frac{P}{RT}$$

$$\frac{dP}{P} = \frac{\lambda}{R} \left( \frac{m}{n} \right) \frac{dT}{T^2} \rightarrow \int_{0}^{1} \frac{dP}{P} = \frac{\lambda}{R} \left( \frac{m}{n} \right) \int_{0}^{1} \frac{dT}{T^2}$$

$$ln\left(\frac{P_1}{P_0}\right) = \frac{\lambda}{R}\left(\frac{m}{m}\right)\left[\frac{1}{70} - \frac{1}{71}\right]$$





108.

$$T_i = 22^{\circ}C$$
 $C_0 = 1 \text{ cm}$ 
 $C_0 = 4 \text{ mm}$ 
 $C_0 = 4 \text{$ 

a) 
$$\frac{dS}{dt} = \frac{(\tau_i - \tau_e)}{R_{tot}}$$
  $\left[ I = \Delta V \atop R \right]$ 

[ londuras: 
$$\frac{dQ}{dt} = -KA dT \rightarrow Rt = \frac{\Delta X}{KA} = \frac{L}{KA}$$

Convecção: 
$$\frac{d\delta}{dt} = -lh\Delta T \rightarrow Rt = \frac{1}{l_{A}}$$

$$R_1 = \frac{1}{h_i A} = \frac{1}{8 \times 1} = 0.125 \text{ k/W}$$

$$R_2 = \frac{\ell_V}{\kappa_V A} = \frac{0,004}{0.8 \times 1} = 0,005 \, \text{K/W} = R_4$$

$$R_3 = \frac{1}{l_{WA}A} = \frac{1}{7 \times 1} = \frac{1}{12} \times \frac{1}{12} = \frac{1}{1$$

$$R_{5} = \frac{1}{k_{e}A} = \frac{1}{25\times 1} = 0,04 \text{ K/W}$$

$$\frac{dB}{dt} = \frac{(T_i - T_2)}{R_1 + R_2} \quad \text{ou} \quad \frac{dB}{dE} = \frac{T_1 - T_2}{R_2} \quad \text{ou} \quad \dots$$

