Subi<u>ectul B. ELEMENTE DE TERMODINA</u>MICĂ

II. a.	LEMENTE DE TERMODINAMICA
	$\rho \frac{V}{2} = \nu RT$
	$\rho \frac{V}{2} = \nu RT$ $\nu = \frac{m_1}{\mu_{H_2}}$
	Rezultat final: $p = 4,155 \cdot 10^5 \text{Pa}$
b.	
	$p_{N_2} = p$
	$\underline{m_1}_{\underline{m_2}}$
	$\frac{m_1}{\mu_{H_2}} = \frac{m_2}{\mu_{N_2}}$
	Rezultat final: $m_2 = 42 \mathrm{g}$
C.	
	$\rho = \frac{m}{V}$ $\frac{\rho_2}{\rho_1} = \frac{m_2}{m_1}$
	$\frac{\rho_2}{\rho_2} = \frac{m_2}{m_2}$
	$\rho_1 m_1$
	Rezultat final: $\frac{\rho_2}{\rho_1} = 14$
d.	
	$\frac{p'V_2}{T} = \frac{p'V_1}{T + \Delta T}$ $V_1 + V_2 = V$
	$\begin{bmatrix} I & I + \Delta I \\ V & V & V \end{bmatrix}$
	Rezultat final: $V_1 = 4.8 \ell$