Subiectul B. ELEMENTE DE TERMODINAMICĂ

II.a.	
	$p_1 V = \dfrac{m_1}{\mu} R T_1$ $p_2 V = \dfrac{m_2}{\mu} R T_2$ $\Delta m = m_1 - m_2$ $V = \dfrac{\Delta m R}{\mu\left(\dfrac{p_1}{T_1} - \dfrac{p_2}{T_2}\right)}$ Rezultat final: $V = 27{,}7 \cdot 10^{-3}\,\text{m}^3$
b.	$m_1 = \Delta m \dfrac{p_1 T_2}{p_1 T_2 - p_2 T_1}$ $\nu_1 = \dfrac{m_1}{\mu}$ Rezultat final: $\nu_1 = 1{,}66\,\text{mol}$
c.	$\Delta \nu = \dfrac{\Delta m}{\mu}$ Rezultat final: $\Delta \nu = 1\,\text{mol}$
d.	$m_2 = m_1 - \Delta m$ Rezultat final: $m_2 = 24\,\text{g}$