Subiectul B. ELEMENTE DE TERMODINAMICĂ

II.a.	$m_0 = \dfrac{\mu}{N_A}$ Rezultat final: $m_0 = 5{,}31 \cdot 10^{-26}$ kg
b.	$\upsilon = m / \mu$ Rezultat final: $\upsilon = 10\,\text{mol}$
c.	$\dfrac{p_1}{V_1} = \dfrac{p_2}{V_2}$, $V_2 = 2V_1, T_2 = 4T_1$ $\dfrac{V_2}{T_2} = \dfrac{V_3}{T_3}, p_3 = 2p_1, T_3 = 2T_1$ Rezultat final: $T_3 = 600K$
d.	$\rho = m / V$ $p_2 V_2 = \dfrac{m}{\mu} R T_2$ Rezultat final: $\rho_2 = 1{,}28$ kg/m^3