

Subiectul B. ELEMENTE DE TERMODINAMICĂ

ii. a.	$N_2 = \frac{m_2}{\mu_{O_2}} N_A$ <p>Rezultat final: $N_1 \cong 7,53 \cdot 10^{22}$ molecule</p>
b.	$v = m / \mu$ $\frac{v_1}{v_2} = \frac{m_1 \mu_{O_2}}{m_2 \mu_{N_2}}$ <p>Rezultat final: $v_1 / v_2 = 4 / 7$</p>
c.	$\frac{p_1}{p_2} = \frac{v_1 V_2}{v_2 V_1}$ <p>Rezultat final: $p_1 / p_2 = \frac{1}{2}$</p>
d.	$v_1 + v_2 = v$ $\frac{m_1}{\mu_{N_2}} + \frac{m_2}{\mu_{O_2}} = \frac{m_1 + m_2}{\bar{\mu}}$ <p>Rezultat final: $\bar{\mu} = 30,54 \text{ kg/kmol}$</p>