

Subiectul B. ELEMENTE DE TERMODINAMICĂ

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| II.a. | $m = \nu_1 \mu_{CO_2} + \nu_2 \mu_{N_2}$ <p>Rezultat final: $m = 144 \text{ g}$</p> |
| b. | $p_0 V_0 = \nu R T_0$ <p>Rezultat final: $V_0 \cong 0,09 \text{ m}^3$</p> |
| c. | $\frac{p_2}{T_2} = \frac{p_0}{T_0}$ <p>Rezultat final: $p_2 = 2 \cdot 10^5 \text{ N/m}^2$</p> |
| d. | $\Delta V = V_3 - V_0$ $\Delta V = \nu R \left(\frac{T_2}{p_3} - \frac{T_0}{p_0} \right)$ <p>Rezultat final: $\Delta V \cong -68 \cdot 10^{-3} \text{ m}^3$</p> |