

**Subiectul B. ELEMENTE DE TERMODINAMICĂ**

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| <b>II.a.</b> | $v = m/\mu$<br>Rezultat final: $m = 3,2\text{kg}$   |
| <b>b.</b>    | $v = N/N_A$<br>Rezultat final: $N = 6,023 \cdot 10^{25}$  |
| <b>c.</b>    | $V = \frac{vRT}{p}$<br>Rezultat final: $V = 2,493\text{m}^3$  |
| <b>d.</b>    | $\bar{\mu} = \frac{v_{O_2} \cdot \mu_{O_2} + v_{H_2} \cdot \mu_{H_2}}{v_{O_2} + v_{H_2}}$<br>Rezultat final: $\bar{\mu} = 27,33\text{ kg/kmol}$ |