

Subiectul B. ELEMENTE DE TERMODINAMICĂ

II.a.	$p_1 V_1 = \nu R T_1$ <p>Rezultat final: $T_1 \cong 240,67\text{K}$</p>
b.	$\rho = \frac{m}{V_1}$ $m = \nu \cdot \mu$ <p>Rezultat final: $\rho = 0,2\text{kg/m}^3$</p>
c.	$\frac{p}{V} = \text{cst.}$ $V_2 = \frac{p_2 V_1}{p_1}$ <p>Rezultat final $V_2 = 100 \ell$</p>
d.	$\Delta T = T_2 - T_1$ $T_2 = \frac{p_2^2 V_1}{\nu R p_1}$ <p>Rezultat final: $\Delta T \approx 1263,52\text{K}$</p>