

**Subiectul B. ELEMENTE DE TERMODINAMICĂ**

<b>II.a.</b>	$\rho_0 = \frac{\mu p_0}{RT_0}$ $\rho = \frac{\mu p}{RT}$ $\rho_0 = \frac{\rho p_0 T}{p T_0}$ Rezultat final: $\rho_0 = 1,32 \text{ kg/m}^3$
<b>b.</b>	$\mu = \frac{\rho RT}{p}$ Rezultat final: $\mu = 30 \text{ kg/kmol}$
<b>c.</b>	$v = \frac{M}{\mu}$ $v = \frac{\rho V}{\mu}$ Rezultat final: $v = 2 \text{ mol}$
<b>d.</b>	$T' = \frac{\rho_1 V \mu}{m' R}$ $m' = M - m$ Rezultat final: $T' = 300,8 \text{ K}$