Subiectul B. ELEMENTE DE TERMODINAMICĂ

II.a.	$\nu = \dfrac{p_0 S \ell}{2RT_0}$ Rezultat final: $\nu = 0{,}88$ moli	
	$\rho = \dfrac{p_0 \mu}{RT_0}$ Rezultat final: $\rho = 1{,}28$ kg/m^3	
c.	$pV = cst.$ $p'_1 = p_0 \dfrac{\ell}{\ell + 2h}$ $p'_2 = p_0 \dfrac{\ell}{\ell - 2h}$ $F = (p'_2 - p'_1)S$ Rezultat final $F = 404\,\text{N}$	
d.	$p'_2 = p_1$ $\dfrac{p_0 \cdot \dfrac{\ell}{2}}{T_0} = \dfrac{p_1(\dfrac{\ell}{2} - h)}{T_x}$ $T_x = T_0 \dfrac{(\dfrac{\ell}{2} - h)}{(\dfrac{\ell}{2} + h)}$ Rezultat final: $T_1 = 233{,}36\,\text{K}$	