Subiectul B. ELEMENTE DE TERMODINAMICĂ

II.a.	$\nu = \dfrac{pSL}{2RT}$ Rezultat final: $\nu = 8,3 \cdot 10^{-3}$ mol
b.	$\upsilon = \dfrac{m}{\mu}$ $m_t = 2m$ Rezultat final: $m_t = 4,8 \; 10^{-4}$ kg
c.	$pS\dfrac{L}{2} = p_1 S(\dfrac{L}{2} + \Delta\ell)$ $pS\dfrac{L}{2} = p_2 S(\dfrac{L}{2} - \Delta\ell)$ $F = (p_2 - p_1)S$ Rezultat final: $F = 19\,\text{N}$
d.	$p_2' = p_1$ $p_1 S(\dfrac{L}{2} - \Delta\ell) = \dfrac{m_2}{\mu} RT$ $\Delta m = m - m_2$ Rezultat final: $\Delta m = 0,14 \cdot 10^{-4}$ kg