Subiectul B. ELEMENTE DE TERMODINAMICĂ

III.a.	
	reprezentare corectă
b.	$\dfrac{V_1}{T_1} = \dfrac{V_2}{T_2}$ $L_{1A2} = \upsilon R T_2 \ln \dfrac{V_2}{V_A}$ $L_{1B2} = \upsilon R (T_2 - T_1)$ Rezultat final: $L_{1A2} = 6881\,\text{J}$, $L_{1B2} = 4986\,\text{J}$
c.	$\Delta U_{12} = \upsilon C_V (T_2 - T_1)$ Rezultat final: $\Delta U_{12} = 12465\,\text{J}$
d.	$Q_{1A2} = L_{1A2} + \Delta U_{12}$ $Q_{1B2} = L_{1B2} + \Delta U_{12}$ Rezultat final: $Q_{1A2} = 19346\,\text{J}$, $Q_{1B2} = 17451\,\text{J}$