Subiectul B. ELEMENTE DE TERMODINAMICĂ

III.a.	$L_{1231} = -\dfrac{3}{2}p_1 V_1$ Rezultat final: $L_{1231} = -6 \cdot 10^5$ J
b.	$L_{1321} = -L_{1231}$ Rezultat final: $L_{1321} = 6 \cdot 10^5$ J
c.	$\Delta U_{23} = \upsilon C_V (T_3 - T_2)$ $\Delta U_{23} = \dfrac{15}{2}p_1 V_1$ Rezultat final: $\Delta U_{23} = 3 \cdot 10^6$ J
d.	$Q_{31} = \Delta U_{31} + L_{31}$ $\Delta U_{31} = \dfrac{5(p_1 V_1 - p_3 V_3)}{2}$ $L_{31} = \dfrac{(p_1 + p_3) \cdot (V_1 - V_3)}{2}$ Rezultat final: $Q_{31} = -58 \cdot 10^5$ J