

Solución

$$\textcircled{1} \quad V_2 = \frac{23 \times 69}{13} \Rightarrow \frac{23 \text{ cm}^3 \times 286 \text{ K}}{342 \text{ K}} = 19,23 \text{ cm}^3$$

$$\textcircled{2} \quad V_2 = \frac{25 \text{ L} \times 25}{50} \Rightarrow \frac{25 \text{ L} \times 298 \text{ K}}{323 \text{ K}} = 23,06 \text{ L}$$

$$\textcircled{3} \quad T_2 = \frac{31 \times 1,2 \text{ L}}{4 \text{ L}} \Rightarrow \frac{304 \text{ K} \times 1,2 \text{ L}}{4 \text{ L}} = 91,2 \text{ K}$$