

$$\frac{\partial f}{\partial T} = 0$$

؛ ③ ، ④ (ج)

$$f(T) = \text{cst} = K$$

ومن معادلة الحالات :

$$P = + \frac{RT}{V} \left(1 + \frac{A}{V} \right) + KV$$

$$\lim_{T \rightarrow 0} PV = 0 \quad \text{أي لـ معادلة الحالات الغاز}$$

$$PV = RT \left(1 + \frac{A}{V} \right) + KV$$

$$\lim_{T \rightarrow 0} PV = 0 \Rightarrow 0 = KV$$

$$\Rightarrow K = 0$$

ومن معادلة الحالات :

$$PV = RT \left(1 + \frac{A}{V} \right)$$

$$\textcircled{3} \quad (P) + \left[\frac{A}{V} - \frac{R}{V} \right] T = Q$$

ومن $(P) + \left[\frac{A}{V} - \frac{R}{V} \right] T = Q$

$$\frac{(A-R)}{V} T = \frac{Q}{V}$$

$$\frac{96}{T_0} + \left(\frac{A}{V} - \frac{R}{V} \right) T = \frac{96}{T_0}$$