

ORIGIN := 1

$$T := \begin{pmatrix} 850 \\ 800 \\ 750 \\ 700 \\ 650 \end{pmatrix} \quad P := \begin{pmatrix} 1.177 \cdot 10^{-1} \\ 1.575 \cdot 10^{-2} \\ 1.610 \cdot 10^{-3} \\ 1.188 \cdot 10^{-4} \\ 5.867 \cdot 10^{-6} \end{pmatrix}$$

i := 1 .. 5

$$\text{slope}\left(\frac{1}{T}, \ln(P^2)\right) = -5.473 \times 10^4$$

$$z_i := \text{slope}\left(\frac{1}{T}, \ln(P^2)\right) \cdot \frac{1}{T_i} + \text{intercept}\left(\frac{1}{T}, \ln(P^2)\right)$$

$$\Delta H := \text{slope}\left(\frac{1}{T}, \ln(P^2)\right) \cdot 8.314 = -4.551 \times 10^5$$

