

ORIGIN := 1

$$\underline{A} := \begin{pmatrix} 9.2806 \\ 9.3935 \end{pmatrix} \quad \underline{B} := \begin{pmatrix} 2788.51 \\ 3096.52 \end{pmatrix} \quad \underline{C} := \begin{pmatrix} -52.36 \\ -53.67 \end{pmatrix}$$

$$\underline{z} := \begin{pmatrix} 0.65 \\ 0.35 \end{pmatrix} \quad \underline{y} := \begin{pmatrix} 0.80 \\ 0.2 \end{pmatrix} \quad P := 1$$

$$\underline{T} := \sum_{i=1}^2 \left[ y_i \cdot \left( \frac{B_i}{A_i - \ln(P)} - C_i \right) \right] = 358.924$$

Given

$$P = \frac{1}{\sum_{i=1}^2 \frac{y_i}{\exp\left(A_i - \frac{B_i}{C_i + T}\right)}}$$

$$\underline{T} := \text{Find}(T) = 361.689$$

i := 1 .. 2

$$x_i := \frac{P \cdot y_i}{\exp\left(A_i - \frac{B_i}{T + C_i}\right)}$$

$$\underline{x} = \begin{pmatrix} 0.613 \\ 0.387 \end{pmatrix}$$

$$VF := \frac{z_1 - x_1}{y_1 - x_1} = 0.197$$