Arithmetic Solution

$$\mathbf{eq1} := V_{Reference} = V_{Supply} \cdot \frac{R_{40}}{R_{41} + R_{40}} \;\left|\; \begin{array}{l} \mathbf{assume}, R_{40} > 0 \\ \mathbf{solve}, V_{Supply} \\ \mathbf{assume}, \mathbf{ALL} > 0 \\ \mathbf{expand}, V_{Reference} \end{array} \right. \rightarrow V_{Reference} + \frac{R_{41} \cdot V_{Reference}}{R_{40}}$$

$$f\left(V_{Reference}, R_{40}, R_{41}\right) := \mathbf{eq1} \rightarrow V_{Reference} + \frac{R_{41} \cdot V_{Reference}}{R_{40}}$$

Determining the maximum and minimum are easy in this form

$R_{40} := 5.23\,k\Omega$ $\quad R_{41} := 34.0\,k\Omega$ $\quad V_{Reference} := 1.25\,V$

These are the nominal values in the circuit

$$V_{SupplyMax} := f\left(V_{Reference} + 0.01V, R_{40} \cdot 0.99, R_{41} \cdot 1.01\right) = 9.61668V$$

Maximum value of the parameter

$$V_{SupplyMin} := f\left(V_{Reference} - 0.01V, R_{40} \cdot 1.01, R_{41} \cdot 0.99\right) = 9.14156V$$

Minimum value of the parameter

Monte Carlo Solution

$$R_{40} := R_{40} \cdot (1 + 1\,\% \cdot \mathrm{runif}(40000, -1, 1))$$

$$R_{41} := R_{41} \cdot (1 + 1\,\% \cdot \mathrm{runif}(40000, -1, 1))$$

$$V_{Reference} := 1.25\,V + 0.01 \cdot \mathrm{runif}(40000, -1, 1) \cdot V$$

$$V_{SupplyMax} := \max\left(\overrightarrow{f(V_{Reference}, R_{40}, R_{41})}\right) = 9.609\,V$$

$$V_{SupplyMin} := \min\left(\overrightarrow{f(V_{Reference}, R_{40}, R_{41})}\right) = 9.1461\,V$$