

$$\gamma_1 := 1.82 \quad \gamma_2 := 2.49$$

$$\Lambda_{12} = \frac{1}{1.82} \cdot \exp\left(1 - \frac{1}{2.49} \cdot \exp(1 - \Lambda_{12})\right) \text{ solve } \rightarrow 0.99926008082610591197$$

$$\Lambda_{12} := 1$$

$$\Lambda_{21} := 1 - \ln(\Lambda_{12} \cdot \gamma_1) = 0.401$$

$$x_1 := 0.1, 0.2 \dots 0.9$$

$$x_2(x_1) := 1 - x_1$$

$$\tilde{\gamma}_1(x_1) := \exp\left[x_2(x_1) \cdot \left(1 - \frac{0.4}{x_2(x_1) + 0.4 \cdot x_1}\right)\right]$$

$$\tilde{\gamma}_2(x_1) := \exp\left[\left[\ln(x_2(x_1) + 0.4 \cdot x_1) + x_1 \cdot \left(1 - \frac{0.4}{x_2(x_1) + 0.4 \cdot x_1}\right)\right]\right]$$

$$\gamma_1(x_1) =$$

1.677
1.547
1.431
1.329
1.239
1.162
1.098
1.047
1.013

$$\gamma_2(x_1) =$$

1.004
1.019
1.046
1.089
1.153
1.248
1.387
1.599
1.933

$$x_1 =$$

0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9