

Generalised Time Reversible

$$Q = \begin{pmatrix} -(x_1 + x_2 + x_3) & \frac{\pi_1 x_1}{\pi_2} & \frac{\pi_1 x_2}{\pi_3} & \frac{\pi_1 x_3}{\pi_4} \\ x_1 & -\left(\frac{\pi_1 x_1}{\pi_2} + x_4 + x_5\right) & \frac{\pi_2 x_4}{\pi_3} & \frac{\pi_2 x_5}{\pi_4} \\ x_2 & x_4 & -\left(\frac{\pi_1 x_2}{\pi_3} + \frac{\pi_2 x_4}{\pi_3} + x_6\right) & \frac{\pi_3 x_6}{\pi_4} \\ x_3 & x_5 & x_6 & -\left(\frac{\pi_1 x_3}{\pi_4} + \frac{\pi_2 x_5}{\pi_4} + \frac{\pi_3 x_6}{\pi_4}\right) \end{pmatrix}$$