

$$\mathbf{W} = \begin{pmatrix} \mathbf{W}_{11} & \mathbf{W}_{21} \\ \mathbf{W}_{12} & \mathbf{W}_{22} \end{pmatrix} = \begin{pmatrix} 4/5 & \sqrt{3}/5 \\ \sqrt{3}/5 & 2/5 \end{pmatrix}$$