

$$\begin{pmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & -1 & -1 \\ 1 & -1 & 1 & -1 \\ 1 & -1 & -1 & 1 \end{pmatrix} \longleftrightarrow \begin{array}{|c|c|c|c|} \hline \text{black} & \text{black} & \text{black} & \text{black} \\ \hline \text{black} & \text{white} & \text{white} & \text{white} \\ \hline \text{black} & \text{white} & \text{black} & \text{white} \\ \hline \text{black} & \text{white} & \text{white} & \text{black} \\ \hline \end{array}$$