

$$\begin{pmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & -1 & -1 \\ 1 & -1 & 1 & -1 \\ 1 & -1 & -1 & 1 \end{pmatrix} \xleftarrow{\quad} \begin{array}{c|c|c|c} G_0 & G_1 & G_2 & G_3 \end{array}$$