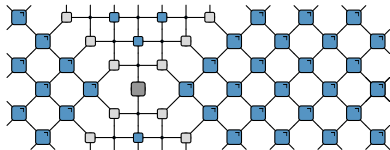
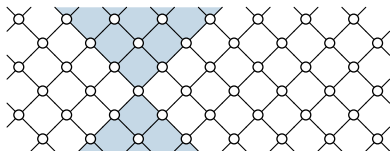


# Heterogeneous biunitary circuits

- Introducing additional shading patterns



- ... by introducing new elements

$$U_{a,b} = \begin{array}{c} \text{blue semi-circle } b \\ \text{circle } U \\ \text{blue semi-circle } a \end{array} = \begin{array}{c} a \\ \text{gray square} \\ b \end{array}$$