



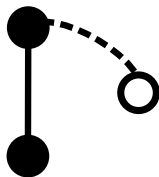
$$\hat{\Omega}^{[2]} + \sum_{i < j}^A \left[\begin{array}{c} \hat{l}_{ij}^\dagger \hat{\Omega}_{ij} \\ \hat{\Omega}_{ij} \hat{l}_{ij} \end{array} \right.$$



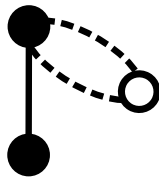
$$+ \hat{l}_{ij}^\dagger \hat{\Omega}_{ij} \hat{l}_{ij} +$$



$$+ \sum_{n \notin \{i,j\}}^A \begin{array}{c} (\hat{l}_{in}^\dagger + \hat{l}_{jn}^\dagger) \hat{\Omega}_{ij} \\ \hat{\Omega}_{ij} (\hat{l}_{in} + \hat{l}_{jn}) \end{array} +$$



$$\begin{array}{c} \hat{l}_{in}^\dagger \hat{\Omega}_{ij} \hat{l}_{in} \\ \hat{l}_{jn}^\dagger \hat{\Omega}_{ij} \hat{l}_{jn} \end{array} \left. \right]$$



disconnected

