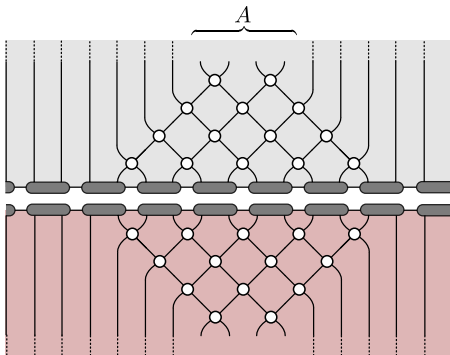


# Entanglement dynamics

- Initial state constructed from solvable tensors

$$|\Psi(\{\mathcal{N}\})\rangle =$$
A horizontal chain of eight gray rounded rectangular tensors. Each tensor has a single vertical line extending upwards from its top center, representing a leg of the initial state.

- Reduced density matrix  $\rho_A(t) = \text{Tr}_{\bar{A}}(|\Psi(t, \{\mathcal{N}\})\rangle \langle \Psi(t, \{\mathcal{N}\})|)$

$$\rho_A(t) =$$
A tensor network diagram representing the reduced density matrix  $\rho_A(t)$ . It consists of two layers of gray rounded rectangular tensors, one above and one below a central horizontal line. Each tensor in the top layer has a vertical line extending upwards, which is grouped by a bracket labeled 'A'. Each tensor in the bottom layer has a vertical line extending downwards. The tensors are connected by a network of white circular nodes and black lines forming a diamond-like pattern. The entire diagram is set against a background of vertical gray and red stripes.