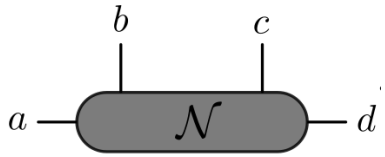
Solvable initial states

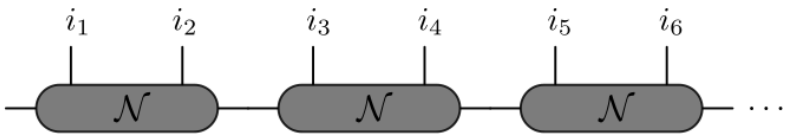
- No shading: returns solvable matrix product state

$$\mathcal{N}_{ad}^{(b,c)} =$$



- Corresponding state

$$|\Psi(\mathcal{N})\rangle = \sum_{\{i_j\}}^{q} \cdots$$



$$\cdots |\ldots i_1\, i_2\, i_3\, i_4\, i_5\, i_6 \ldots\rangle$$

$$= \sum_{\{i_j\}}^{q} \mathrm{Tr}\left[\ldots \mathcal{N}^{(i_1,i_2)} \mathcal{N}^{(i_3,i_4)} \mathcal{N}^{(i_5,i_6)} \ldots\right] |\ldots i_1\, i_2\, i_3\, i_4\, i_5\, i_6 \ldots\rangle$$

- Horizontal unitarity corresponds to unitarity of $\mathcal{W}$

$$\mathcal{W}_{ab,cd} = \mathcal{N}_{ad}^{(b,c)}$$

$\Longrightarrow$ Parametrized by **unitary matrix**