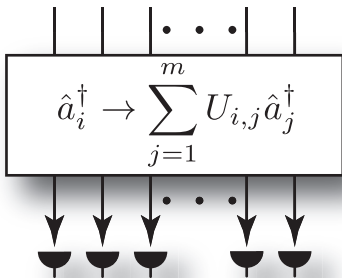


$$|\psi\rangle_{\text{in}} = |T_1, \dots, T_m\rangle$$



$$|\psi\rangle_{\text{out}} = \sum_S \gamma_{S,T} |S_1, \dots, S_m\rangle$$