

$$\left\{ \begin{array}{c} \vdots \\ \vdots \\ \vdots \end{array} \right\} \rho^{\dagger 0,1} = \left\{ \begin{array}{c} \vdots \\ \vdots \\ \vdots \end{array} \right\} \rho^{0,1} \iff \text{tr}[\rho^{0,1}(\dots)]$$