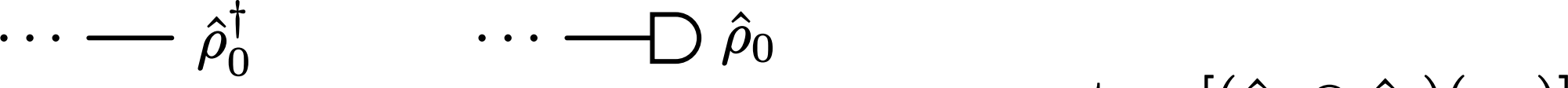
$\cdots$ $\hat{\rho}_0^\dagger$
$\cdots$ $\hat{\rho}_1^\dagger$
=
$\cdots$ $\hat{\rho}_0$
$\cdots$ $\hat{\rho}_1$
$\iff$
$\mathrm{tr}_{0,1}[(\hat{\rho}_0 \otimes \hat{\rho}_1)(\ldots)]$