

$$\begin{array}{c}
 \dots \text{---} \boxed{\text{X}} \\
 \{\hat{\tau}_j\}
 \end{array}
 \iff
 \mathbb{P} = \{p_j\}, \quad p_j = \text{tr}[(\hat{I}^0 \otimes \hat{\tau}_j^1)(\dots)] \\
 \hspace{15em} = \text{tr}[\hat{\tau}_j \text{tr}_0[(\dots)]]$$