$$\{\hat{
ho}_i\}$$
 \dots
 $\{\hat{r}_j\}$
 \dots
 $\mathbb{P}_0 = \{p_{0,i}\}, \quad p_{0,i} = \operatorname{tr}[\hat{
ho}_i\operatorname{tr}_1[(\dots)]]$
 $\mathbb{P}_1 = \{p_{1,j}\}, \quad p_{1,j} = \operatorname{tr}[\hat{ au}_j\operatorname{tr}_0[(\dots)]]$