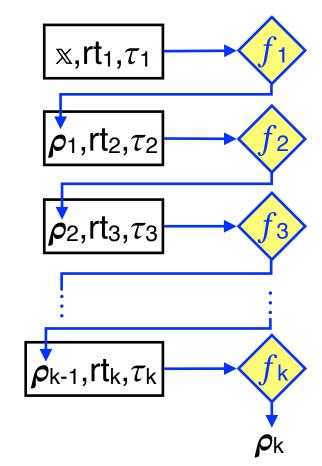


$\mathcal{V}(x,\pi)$

- parse π as $((\mathsf{rt}_i, Q_i, \boldsymbol{a}_i, \mathsf{pf}_i, \tau_i))_{i \in [k]}$
- derive IOP randomness



check MT proofs

 $\land_{i \in [k]} MT.Check (rt_i, Q_i, \boldsymbol{\alpha}_i, pf_i)$

check IOP decision

 $\mathbf{V}_{\mathsf{IOP}}^{[Q_\mathsf{i},oldsymbol{lpha}_\mathsf{i}]_{\mathsf{i}\in[\mathsf{k}]}}(\mathbf{x},(oldsymbol{
ho}_\mathsf{1},...,oldsymbol{
ho}_\mathsf{k}))$

 π