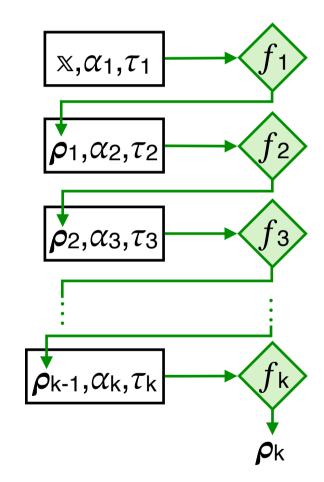


$$\mathcal{V}(x,\pi)$$

- parse  $\pi$  as  $((\alpha_1,...,\alpha_k),(\tau_1,...,\tau_k))$
- derive IP randomness



check IP decision

$$\mathbf{V}_{\mathsf{IP}}(\mathbf{x},(\alpha_1,\ldots,\alpha_k),(\rho_1,\ldots,\rho_k))$$

 $\pi$