

$$\mathcal{P}(\mathbb{X}, \mathbb{W})$$

$$\mathbf{P}_{\text{SP}}(\mathbb{X}, \mathbb{W})$$
 α_1

 $\mathbb{X}, \alpha_1, \tau$
 ρ

 α_2

$$\pi := (\alpha_1, \alpha_2, \tau)$$
 π

$$\mathcal{V}(\mathbb{X}, \pi)$$

- parse π as $(\alpha_1, \alpha_2, \tau)$
- derive SP randomness

 $\mathbb{X}, \alpha_1, \tau$
 f
 ρ

- check SP decision

$$\mathbf{V}_{\text{SP}}(\mathbb{X}, \alpha_1, \rho, \alpha_2)$$