

$$\mathbb{F} \backslash \mathcal{U} | \mathbb{J} = \mathbb{F} \backslash \mathcal{U} | \mathbb{J} = \underbrace{\mathcal{U} | \mathbb{J}}_{\mathbb{1}} \times \mathbb{F} \backslash \mathbb{1} \ni \rho = \rho \times 1$$