

$$\mathbb{1}_{\mathbb{R}^Q}^{\pm} = \mathbb{1}_{\mathbb{R}^{\mathbb{N}}}^{\pm} \vDash \mathcal{I}_Q$$

$$\uparrow j$$

$$\mathbb{1}_{\mathbb{R}^{\mathbb{N}}}^{\pm}$$

$$\uparrow i$$

$$\mathcal{I}_Q$$

$$\mathbb{1}_{\mathbb{R}^Q}^{\pm} = \mathbb{1}_{\mathbb{R}^Q}^{\pm} \times \mathbb{1}_{\mathbb{R}^Q}^{\mp}$$

$$1 \in \mathbb{1}_{\pm} \text{ mod } \mathbb{1}_{\pm}$$

$$\mathbb{F}_{\mathbb{R}^Q}^{\pm} = \mathbb{F}_{\mathbb{R}^{\mathbb{N}}}^{\pm} \vDash \mathcal{I}_Q \quad \mathbb{F}_{\mathbb{R}^Q}^{\mp} = \mathbb{F}_{\mathbb{R}^{\mathbb{N}}}^{\mp} \vDash \mathcal{I}_Q$$

$$\uparrow j$$

$$\mathbb{F}_{\mathbb{R}^{\mathbb{N}}}^{\pm}$$

$$\uparrow i$$

$$\mathcal{I}_Q$$

$$\uparrow j$$

$$\mathbb{F}_{\mathbb{R}^{\mathbb{N}}}^{\mp}$$

$$\uparrow i$$

$$\mathcal{I}_Q$$

$$\mathbb{F}_{\mathbb{R}^Q}^{\pm} = \mathbb{F}_{\mathbb{R}^Q}^{\pm} \times \mathbb{F}_{\mathbb{R}^Q}^{\mp}$$

$$\mathbb{F}_{\mathbb{R}^Q}^{\mp} = \mathbb{F}_{\mathbb{R}^Q}^{\mp} \times \mathbb{F}_{\mathbb{R}^Q}^{\pm}$$

$$1 \in \mathbb{1}_{\mathbb{1}} \text{ mod } \mathbb{1}_{\mathbb{1}}$$