



$$\mathbb{F} \triangleleft \mathbb{K} \ni \mathbb{1} \xrightarrow{\text{fix group}} \mathbb{K} \triangleleft \mathbb{1} = \frac{\tau \in \mathbb{K} \triangleleft \mathbb{F}}{\tau|_{\mathbb{1}} = \text{id}} \in \mathbb{K} \triangleleft \mathbb{F}$$

$$\mathbb{K} \triangleleft \mathbb{1} \cap \mathbb{K} \triangleleft \mathbb{1} = \mathbb{K} \triangleleft \mathbb{1}$$

$$\mathbb{1} = \mathbb{K} \triangleleft \mathbb{1} \triangleleft \mathbb{K}$$