$$\begin{tikzcd} \triangle\mathbb{F}_{\mathfrak{o}}(\mathbb{K}) \arrow[d, "\mathbb{K}\diagup"] \\ \mathbb{F}\triangle\mathbb{K} \end{tikzcd}$$

$$\triangle\mathbb{F}_{\mathfrak{o}}(\mathbb{K}) \ni \mathbb{h} \underset{\text{fix field}}{\longmapsto} {}^{\mathbb{h}}\neg\mathbb{K} = \frac{\varphi \in \mathbb{K}}{\underset{\text{fix field}}{\varphi \cdot \mathbb{h} = \varphi}} \in \mathbb{F}\triangle\mathbb{K}$$

$$\mathbb{h} = \mathbb{K}_{\mathfrak{o}} \vDash \overbrace{{}^{\mathbb{h}}\neg\mathbb{K}}$$

$$< \mathbb{h} \cup \bar{\mathbb{h}} >_{\neg\mathbb{K}} = {}^{\mathbb{h}}\neg\mathbb{K} \cap {}^{\bar{\mathbb{h}}}\neg\mathbb{K}$$

$$\mathbb{h} \ulcorner \bar{\mathbb{h}} = \overbrace{\complement\,{}^{\bar{\mathbb{h}}}\neg\mathbb{K}} \vDash {}^{\mathbb{h}}\neg\mathbb{K} \; : \quad \mathbb{h} \ulcorner \bar{\mathbb{h}} = \underbrace{\mathbb{K}\diagup_{\mathbb{h}}} \neg\, \mathbb{F}_{\mathfrak{o}} \left(\mathbb{K}\diagup_{\bar{\mathbb{h}}} \right)$$

$$\operatorname{card} \mathbb{h} \ulcorner \bar{\mathbb{h}} = \dim_{{}^{\mathbb{h}}\neg\mathbb{K}} {}^{\bar{\mathbb{h}}}\neg\mathbb{K}$$