$$\mathbb{G} \triangleleft \mathbb{H} \in \mathcal{T}_0 \Longrightarrow \mathbb{H} \xrightarrow[\text{stet off}]{\pi} \mathbb{G} \neg \mathbb{H} \in \mathcal{T}_0$$

$$^{\mathbb{h}}\pi = \mathbb{G}\mathbb{h}$$

$$\mathbb{h} * \mathbb{h}' \Leftrightarrow \mathbb{G}\mathbb{h} = \mathbb{G}\mathbb{h}' \Leftrightarrow \mathbb{h}' \overset{-1}{\mathbb{h}} \in \mathbb{G}$$

$$\mathbb{H} \subseteq V \Longrightarrow \overset{-1}{\pi}\left({}^{V}\pi\right) = \frac{\mathbb{h} \in \mathbb{H}}{\mathbb{G}\mathbb{h} = {}^{\mathbb{h}}\pi \in {}^{V}\pi = \mathbb{G}V} = \mathbb{G}V = \bigcup_{\mathbb{g}}^{\mathbb{G}} \mathbb{g}V \subseteq \mathbb{H} \underset{\text{def}}{\Longrightarrow} {}^{V}\pi \subseteq \mathbb{G}\neg\mathbb{H}$$

$$\mathbb{G} \underset{\text{abg}}{\trianglelefteq} \mathbb{H} \in \mathcal{T}_0 \Longrightarrow \text{treu } \mathbb{G} \neg \mathbb{H} \in \mathcal{T}_0$$

$$\mathbb{G}\mathbb{h} \neq \mathbb{G}\mathbb{h}' \Longrightarrow \mathbb{h}' \overset{-1}{\mathbb{h}} \in \mathbb{H} \llcorner \mathbb{G} \subseteq \mathbb{H}$$

$$\mathbb{H} \times \mathbb{H} \ni u{:}v \underset{\text{stet}}{\mapsto} u \underbrace{\mathbb{h}' \overset{-1}{\mathbb{h}}} \overset{-1}{v} \in \mathbb{H} \Longrightarrow \bigvee_{U \in \mathcal{U}_e}^{\text{off e-Umg}} U \mathbb{h}' \overset{-1}{\mathbb{h}} \overset{-1}{U} \subset \mathbb{H} \llcorner \mathbb{G} \Longrightarrow \pi\left(U\dot{\mathbb{h}}\right) \subseteq \mathbb{G}\neg\mathbb{H}$$

$$\lightning\ \varnothing \neq {}^{U\mathbb{h}}\pi \cap {}^{U\mathbb{h}'}\pi \ni \mathbb{G}y \Longrightarrow \bigvee_{\dot{u} \in U} \bigvee_{\dot{\mathbb{g}} \in \mathbb{G}} \dot{\mathbb{g}} y = \dot{u}\,\dot{\mathbb{h}} \Longrightarrow \acute{u}\,\mathbb{h}' \overset{-1}{\mathbb{h}} \overset{-1}{\dot{u}} = \underbrace{\acute{u}\mathbb{h}'} \overbrace{\dot{u}\mathbb{h}}^{-1} = \underbrace{\acute{\mathbb{g}}y} \overbrace{\dot{\mathbb{g}}y}^{-1} = \acute{\mathbb{g}}\,\dot{\mathbb{g}} \in \mathbb{G}\ \lightning$$

$${}^{U\mathbb{h}}\pi \cap {}^{U\mathbb{h}'}\pi = \varnothing$$