$$\underset{0}{\triangle} \ni \mathfrak{h} \text{ prim } \Leftrightarrow C \subseteq \mathfrak{h} \Rightarrow \begin{cases} C & = \varnothing \\ C & = \mathfrak{h} \end{cases}$$

$$\begin{cases} \mathfrak{h} \supset \mathfrak{h}^i \text{ conn} \\ \bigcap_i \mathfrak{h}^i \neq \varnothing \end{cases} \Rightarrow \bigcup_i \mathfrak{h}^i \text{ conn}$$

$$o \in \bigcap_i \mathfrak{h}^i$$

$$C \subseteq \bigcup_i \mathfrak{h}^i \underset{\text{OE}}{\Rightarrow} o \in C \Rightarrow \bigwedge_i o \in C \cap \mathfrak{h}^i \subseteq \mathfrak{h}^i \underset{\mathfrak{h}^i \text{ conn}}{\Rightarrow} C \cap \mathfrak{h}^i = \mathfrak{h}^i \Rightarrow C = C \cap \bigcup_i \mathfrak{h}^i = \bigcup_i C \cap \mathfrak{h}^i = \bigcup_i \mathfrak{h}^i$$

$$\text{conn } \mathfrak{h} \xrightarrow[\text{stet}]{\mathfrak{y}} \mathfrak{k} \underset{\text{ZWS}}{\Rightarrow} {}^{\mathfrak{h}}\mathfrak{y} \text{ conn}$$

$$\varnothing \neq C \subseteq {}^{\mathfrak{h}}\mathfrak{y} \Rightarrow \varnothing \neq {}^{\bar{\mathfrak{y}}^1}{}_C \subseteq \mathfrak{h} \underset{\mathfrak{h} \text{ conn}}{\Rightarrow} {}^{\bar{\mathfrak{y}}^1}{}_C = \mathfrak{h} \Rightarrow C = {}^{{}^{\bar{\mathfrak{y}}^1}C\mathfrak{y}} \cap {}^{\mathfrak{h}}\mathfrak{y} = {}^{{}^{\bar{\mathfrak{y}}^1}C\mathfrak{y}} = {}^{\mathfrak{h}}\mathfrak{y}$$

$$0\text{-conn } \mathfrak{h} \Rightarrow \mathfrak{h} \text{ conn}$$

$$o \in \mathfrak{h}$$

$$\bigwedge_{\mathfrak{h}}^{\mathfrak{h}} \bigvee_{\text{Weg}} 0{:}\overline{0|1}{:}1 \xrightarrow[\text{stet}]{{}_{\mathfrak{h}}\mathfrak{l}} o{:}\mathfrak{h}{:}\mathfrak{h} \begin{cases} {}^0_{\mathfrak{h}}\mathfrak{l} = o \\ {}^1_{\mathfrak{h}}\mathfrak{l} = \mathfrak{h} \end{cases} \Rightarrow \begin{cases} \text{conn } {}^{\overline{0|1}}_{\mathfrak{h}}\mathfrak{l} \subset \mathfrak{h} \\ o \in \bigcap_{\mathfrak{h}} {}^{\overline{0|1}}_{\mathfrak{h}}\mathfrak{l} \neq \varnothing \end{cases} \Rightarrow \mathfrak{h} = \bigcup_{\mathfrak{h}} {}^{\overline{0|1}}_{\mathfrak{h}}\mathfrak{l} \text{ conn}$$

$$\underset{0}{\triangle} \ni \mathfrak{h} \supset C \text{ conn } \Rightarrow \mathfrak{h} \supset \hat{C} \text{ conn}$$

$$\hat{C} = \underbrace{A \cap \hat{C}} \dot\cup \underbrace{B \cap \hat{C}} \Rightarrow C = \underbrace{A \cap C} \dot\cup \underbrace{B \cap C} \underset{\text{OE}}{\Rightarrow} C = A \cap C \Rightarrow C \subset I \Rightarrow \hat{C} \subset \hat{I} = A \Rightarrow \hat{C} = A \cap \hat{C}$$