$$|X| := \{x \mid X(x)\}$$

$$|X| := |X| \cup k_X$$

$$|X| := |X| \setminus k_X$$

$$\overline{x} := \{e \mid e \notin x\}$$

$$|\neg X| = \{x \mid \neg X(x)\}$$

$$= |X| \mid X(x) \mid X(x$$

$$\begin{array}{lll} \lceil A \wedge B \rceil & := & \lceil A \rceil \cap \lceil B \rceil \\ |A \wedge B| & \subseteq & \lceil A \wedge B \rceil \\ & = & \lceil A \rceil \cap \lceil B \rceil \\ & = & (|A| \cup k_A) \cap (|B| \cup k_B) \\ & = & (|A| \cap |B|) \cup ((|A| \cap k_B) \cup (k_A \cap |B|) \cup (k_A \cap k_B)) \\ & = & \{e \mid e \in |A| \wedge e \in |B|\} \cup ((|A| \cap k_B) \cup (k_A \cap |B|) \cup (k_A \cap k_B)) \\ & = & \{e \mid A(e) \wedge B(e)\} \cup ((|A| \cap k_B) \cup (k_A \cap |B|) \cup (k_A \cap k_B)) \\ & = & |A \wedge B| \cup ((|A| \cap k_B) \cup (k_A \cap |B|) \cup (k_A \cap k_B)) \\ & & |A \wedge B| = & |A \cap B| \\ & & |A \cap B| = & |A \cap B| \end{aligned}$$

$$|A \wedge B| \stackrel{\cdot}{\supseteq} |A \wedge B|$$

$$= |A \cap B|$$

$$= |A \cap B|$$

$$= (|A| \cap B| \cap B| \cap B|)$$

$$= (|A| \cap B| \cap B| \cap B| \cap B|)$$

$$= (|A| \cap B| \cap B| \cap B| \cap B|)$$

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$$= (|A| \cap B| \cap B| \cap B| \cap B|)$$

$$= (|A| \cap B| \cap B| \cap B| \cap B|)$$