

$$\triangleleft Q = \frac{A \subset Q}{b \leq a \in A \Rightarrow b \in A}$$

$$A \leq B \Leftrightarrow A \subset B$$

$$A \leq A$$

$$A \leq B \leq A \Rightarrow A = B$$

$$A \leq B \leq C \Rightarrow A \leq C$$

$$Q \ni h \mapsto Q \leq h = \frac{a \in Q}{a \leq h} \in \triangleleft Q$$

$$h \leq k \Leftrightarrow \underline{Q \leq h} \subset \underline{Q \leq k}$$

$$\triangleleft Q \ni \dot{A} \Rightarrow A + \dot{A} \in \triangleleft Q$$

$$\dot{a} \in \dot{A} \cap b \leq a + \dot{a}$$