

Chapter 1

Therorems

Theorem 1.0.1. $\langle \text{Con } \mathbb{A}; \subseteq \rangle$ is a complete sublattice of $\langle \text{Eq}(A); \subseteq \rangle$, the lattice of equivalence relations on \mathbb{A} .

Proof. Let $\{\theta_i\}_{i \in I}$ be a collection of congruence on \mathbb{A} . TO show that, □