

Lemma. $\text{Hom}_{\mathbf{D}\mathbf{P}}(\mathbf{P}; \mathbf{Q})$ is a bounded lattice with union \vee as join, intersection \wedge as meet, least upper bound $\top_{\mathbf{P}, \mathbf{Q}}$ and greatest lower bound $\perp_{\mathbf{P}, \mathbf{Q}}$.