Lemma. \mathcal{U} **P** is a bounded lattice (??) with

$$\leq_{\mathcal{U}\mathbf{P}} := \supseteq$$

$$\perp_{\mathcal{U}\mathbf{P}} := \mathbf{P}$$

 $\mathsf{T}_{\mathcal{H}} := \emptyset$

 $\vee_{9/P} := \cap$

 $\wedge_{\mathcal{P}} := \cup$.