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

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

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

 $\mathsf{T}_{9/\mathbf{P}} := \emptyset$ 

 $\vee_{\mathcal{P}} := \cap$ 

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