

**Lemma.**  $\text{Hom}_{\text{DP}}(\textcolor{green}{A}; \textcolor{red}{B})$  is a bounded lattice with union  $\vee$  as join, intersection  $\wedge$  as meet, least upper bound  $\top_{\textcolor{green}{A}, \textcolor{red}{B}}$  and greatest lower bound  $\perp_{\textcolor{green}{A}, \textcolor{red}{B}}$ .