Lemma. Given $\mathbf{d}, \mathbf{e}, \mathbf{g}, \mathbf{h} \in \operatorname{Hom}_{\mathbf{DP}}(\mathbf{P}; \mathbf{Q})$ one has:

$\mathbf{d} \leq_{\mathbf{DP}} \mathbf{e}$	$g \leq_{DP} h$
$(\mathbf{d} \wedge \mathbf{g}) \leq_{\mathrm{DP}} (\mathbf{e} \wedge \mathbf{h})$	