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

$$\frac{d \leq_{DP} e \quad g \leq_{DP} h}{(d \vee g) \leq_{DP} (e \vee h)}$$