Lemma. There is a *functor* $\Pi_f : \mathbf{DP} \to \mathbf{Pos}_{\mathcal{U}}$ which maps:

1. An object (poset) in **DP** to the same object (poset) in $\mathbf{Pos}_{\mathcal{U}}$.
2. A morphism $d \in \mathrm{Hom}_{\mathbf{DP}}(\mathbf{F}; \mathbf{R})$ to the morphism $h_d \in \mathrm{Hom}_{\mathbf{Pos}_{\mathcal{U}}}(\mathbf{F}; \mathbf{R})$, where:

$$h_d : \mathbf{F}^{\mathrm{op}} \to_{\mathbf{Pos}} \langle \mathcal{U}\mathbf{R}, \subseteq \rangle$$

$$f^* \mapsto \{r \in \mathbf{R} \mid d(f^*, r) = \top\}.$$