Lemma. There is a *covariant functor* $\Pi_f : \mathbf{DP} \to \mathbf{UPos}$ which maps:

1. An object (poset) in **DP** to the same object (poset) in **UPos**.
2. A morphism $\mathsf{dp} \in \mathrm{Hom}_{\mathbf{DP}}(\mathbf{F}; \mathbf{R})$ to the morphism $f \in \mathrm{Hom}_{\mathbf{UPos}}(\mathbf{F}; \mathbf{R})$, where:

$$f : \mathbf{F} \to_{\mathbf{Pos}} \mathcal{U}\mathbf{R}$$

$$f \mapsto \{r \in \mathbf{R} \mid \mathsf{dp}(f, r) = \mathsf{T}\}.$$