Lemma. There is a functor FixFunMinRes: $\mathbf{DP} \to \mathbf{Pos}_{9/}$ which maps: 1. An object (poset) in **DP** to the same object (poset) in **Pos**_{9/}.

2. A morphism $\mathbf{g} \in \operatorname{Hom}_{\mathbf{DP}}(\mathbf{F}; \mathbf{R})$ to the morphism $H_{\mathbf{g}} \in \operatorname{Hom}_{\mathbf{Pos}_{9/}}(\mathbf{F}; \mathbf{R})$,

where:

 $H_{\mathbf{g}}^{\star}: \mathbf{F} \to_{\mathbf{Pos}} \mathcal{U}\mathbf{R}$

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