**Lemma.** There is a functor FixFunMinResBack:  $Pos_{\gamma} \rightarrow DP$  which maps: 1. An object (poset) in **Pos**<sub>9/</sub> to the same object (poset) in **DP**.

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

where:

 $\langle f^*, r \rangle \mapsto r \in g^*(f)$ .

$$\mathbf{f}_g: \mathbf{F}^{\mathrm{op}} \times \mathbf{R} \to_{\mathbf{Pos}} \mathbf{Bool}$$