Lemma. There is a *contravariant functor* Π_r : **DP** \rightarrow **LPos** which maps:

1. An object (poset) of **DP** to the same object (poset) in **LPos**.

2. A morphism dp $\in \operatorname{Hom}_{DP}(F; \mathbf{R})$ to the morphism $g \in \operatorname{Hom}_{LPos}(\mathbf{R}; \mathbf{F})$,

where:

$$g: \mathbf{R} \to \mathcal{L}\mathbf{F}$$

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