B are design problems. We define the order as follows.

Definition (Order on **DP**). Suppose that **A** and **B** are posets, and that $\mathbf{f}, \mathbf{g} : \mathbf{A} \longrightarrow$

 $\mathbf{f} \leq_{\mathsf{DP}} \mathbf{g}$

 $\mathbf{f}(a^*, b) \leq_{\mathbf{Bool}} \mathbf{g}(a^*, b), \quad \text{for all } a \in \mathbf{A}, b \in \mathbf{B}$