Definition (Order on **DP**)**.** Suppose that A and B are posets, and that $f, g : A \nrightarrow B$ are design problems. We say that f *implies* g, denoted $f \preceq_{\mathbf{DP}} g$, if $f(a^*, b) \preceq g(a^*, b)$ in **Bool**, for all $a \in A$ and $b \in B$. In other words, if the fact that f is feasible implies that g is feasible. We diagrammatically represent the relation $f \preceq_{\mathbf{DP}} g$ as in **??**.