Definition (Order on **DP**). Suppose that A and B are posets, and that $f,g:A \rightarrow B$ **B** are design problems. We say that f implies g, denoted $f \leq_{\mathbf{DP}} g$, if $f(a^*, b) \leq$ $g(a^*, b)$ 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 $f \leq_{\mathbf{DP}} g$

as in ??.