Definition (Order on morphisms in **Pos**_{9/})

 $f \leq_{\mathbf{Pos}_{9/}} g$

 $f^*(x) \leq_{\mathcal{U}_X} g^*(x), \quad \forall x \in X$.

Given any two morphisms $f, g: X \to Y$ in $\mathbf{Pos}_{9/2}$, we define an order between

them as