

$$U(f) \circ U(g) : \mathbf{Pos} \rightarrow \mathbf{Pos}$$

$$Q' \mapsto \uparrow \left(\bigcup_{q \in \uparrow \bigcup_{p \in Q'} \{f(p)\}} \{g(q)\} \right)$$

$$\mapsto \uparrow \left(\bigcup_{p \in P'} \{g(f(p))\} \right). \quad (??)$$