

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

$$\begin{aligned}
 P' &\mapsto \uparrow \left(\bigcup_{q \in \uparrow \bigcup_{p \in P'} \{f(p)\}} \{g(q)\} \right) \\
 &\mapsto \uparrow \left(\bigcup_{p \in P'} \{g(f(p))\} \right). \qquad (??)
 \end{aligned}$$