$$U(f) \mathbin{\overset{\circ}{\vphantom{.}\smash{,}}} U(g) \colon \mathbf{Pos} \to \mathbf{Pos}$$

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

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