is a map f that reverses the ordering, in the sense that $p_1 \leq_{\mathbf{P}} p_2$

Definition (Antitone map). An *antitone map* between two posets $\langle \mathbf{P}, \leq_{\mathbf{P}} \rangle$ and $\langle \mathbf{Q}, \leq_{\mathbf{Q}} \rangle$

 $f(p_1) \leq_{\mathbf{0}} f(p_2)$