$\langle \mathbf{P}, \leq_{\mathbf{P}}^{\mathrm{op}} \rangle$. It has the same elements as \mathbf{P} , but is equipped with the reverse ordering (??). For a given $p \in \mathbf{P}$, we will sometimes write p^* do denote its correspond-

Definition. The *opposite* of a poset $P = \langle P, \leq_P \rangle$ is the poset denoted $P^{op} =$

ing copy in \mathbf{P}^{op} , in order to emphasize that p and p^* belong to distinct posets. However, often we will not be so pedantic with our notation. Reversing the order

means that, for all
$$p, q \in \mathbf{P}$$
,
$$\frac{p \leq_{\mathbf{P}} q}{q^* \leq_{\mathbf{P}}^{op} p^*}$$