that has the same elements as **P** and the reverse ordering (??). For a given
$$p \in \mathbf{P}$$
,

- we use p^* to represent its corresponding copy in \mathbf{P}^{op} ; note that p and p^* belong

$$p \leq_{\mathbf{P}} q \iff q^* \leq_{\mathbf{P}}^{\mathrm{op}} p^*.$$

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