$$\mathrm{id}_{\mathbf{A}} : \mathbf{A}^{\mathrm{op}} \times \mathbf{A} \to_{\mathbf{Pos}} \mathbf{Bool},$$
$$\langle a_1^*, a_2 \rangle \mapsto a_1 \preceq_{\mathbf{A}} a_2.$$