

$$(f \circ g) : A^{\text{op}} \times C \rightarrow_{\text{Pos}} \mathbf{Bool},$$

$$\langle a^*, c \rangle \mapsto \bigvee_{b_1 \leq b_2, b_1, b_2 \in B} f(a^*, b_1) \wedge g(b_2^*, c).$$