$$(f \, \mathring{s} \, g) \colon A^{\mathrm{op}} \times \mathbf{C} \to_{\mathbf{Pos}} \mathbf{Bool},$$

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