

$$\mathbf{mu}_u^{\mathbf{A}} : \text{Int}(\text{Int}(\mathbf{A}))^{\text{op}} \times \text{Int}(\mathbf{A}) \xrightarrow{\text{Pos}} \mathbf{Bool}$$

$$\langle [[a, b], [c, d]]^*, [e, f] \rangle \mapsto (a \leq e) \wedge (b \leq e) \wedge (c \leq f) \wedge (d \leq f).$$