Definition (Feasible set of a design problem). We define the *feasible set* K_d of a design problem d: $\mathbf{F}^{op} \times \mathbf{R} \rightarrow_{\mathbf{Pos}} \mathbf{Bool}$ as the subset of $\mathbf{F}^{op} \times \mathbf{R}$ for which d is the *indicator function*, that is

 $K_{\mathbf{d}} = \{ \langle f^*, r \rangle \in \mathbf{F}^{\mathrm{op}} \times \mathbf{R} \mid \mathbf{d}(f^*, r) = \top \}.$