

$$\begin{aligned} \text{FixFunMinRes}(\mathbf{d} \circ_{\mathbf{DP}} \mathbf{e})^{\star}(x) &= \{y \in Y \mid (\mathbf{d} \circ_{\mathbf{DP}} \mathbf{e})(x^*, z)\} \\ &= \{y \in Y \mid \bigvee_{y \in Y} \mathbf{d}(x^*, y) \wedge \mathbf{e}(y^*, z)\}. \end{aligned}$$