

$$(\text{FixFunMinResBack}(f) \circ_{\mathbf{DP}} \text{FixFunMinResBack}(g))^{\star}(\mathbf{x}^*, \mathbf{z}) = \bigvee_{y \in Y} (y \in f^{\star}(\mathbf{x})) \wedge (\mathbf{z} \in g^{\star}(y))$$

$$= \mathbf{z} \in \bigcup_{y \in f^{\star}(\mathbf{x})} g^{\star}(y).$$