$$(\mathbf{f}_1 \stackrel{\circ}{,} \mathbf{g}_1)(a^*, c) = \bigvee_{b \in \mathbf{B}} \mathbf{f}_1(a^*, b) \wedge \mathbf{g}_1(b^*, c)$$

$$\leq_{\mathbf{DP}} \bigvee_{b \in \mathbf{B}} \mathbf{f}_2(a^*, b) \wedge \mathbf{g}_2(b^*, c)$$

 $= (\mathbf{f}_2 \ \frac{1}{2} \ \mathbf{g}_2)(a^*, c).$