$$\leq_{\mathbf{DP}} \bigvee_{c \in C} f_2(\langle c, a \rangle^*, \langle c, b \rangle)$$

 $= \operatorname{Tr}_{A.B}^{C}(f_2)(a^*, b).$ 

 $\operatorname{Tr}_{A,B}^{C}(f_1)(a^*,b) = \bigvee f_1(\langle c,a \rangle^*, \langle c,b \rangle)$