

subtype_rel_product^{0,22}

$\forall A:\text{Type}, B:(A \rightarrow \text{Type}), C:\text{Type}, D:(C \rightarrow \text{Type}).$

$A \subseteq_{\rho} C \Rightarrow (\forall a:A. B(a) \subseteq_{\rho} D(a)) \Rightarrow (a:A \times B(a)) \subseteq_{\rho} (c:C \times D(c))$