

t164_relat_1 (TMFgnCWwXhbVW-
TAL83Xjv98dwkm9hYM6vKQ)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k3_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_relat_1 X0) \Rightarrow (\forall X1.(v1_relat_1 X1) \Rightarrow (k10_xtuple_0 (k3_relat_1 X0 X1) = k7_relat_1 X1 (k10_xtuple_0 X0))) \quad (1)$$

Theorem 1

$$\forall X0.(v1_relat_1 X0) \Rightarrow (\forall X1.(v1_relat_1 X1) \Rightarrow (\forall X2.(v1_relat_1 X2) \Rightarrow ((k10_xtuple_0 X0 = k10_xtuple_0 X1) \Rightarrow (k10_xtuple_0 (k3_relat_1 X0 X2) = k10_xtuple_0 (k3_relat_1 X1 X2))))))$$