

t22_xtuple_0
(TMZFJvfGdj9EPTT92Hj77tQPZBihU1ttP7G)

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Let $v3_xtuple_0 : \iota \Rightarrow o$ be given. Let $k7_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k8_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k5_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k2_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k6_xtuple_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v3_xtuple_0 X0) \Rightarrow (k6_xtuple_0 (k7_xtuple_0 X0) (k8_xtuple_0 X0) (k5_xtuple_0 X0) (k2_xtuple_0 X0) = X0) \quad (1)$$

Theorem 1

$$\forall X0.(v3_xtuple_0 X0) \Rightarrow (\forall X1.(v3_xtuple_0 X1) \Rightarrow ((k7_xtuple_0 X0 = k7_xtuple_0 X1) \wedge ((k8_xtuple_0 X0 = k8_xtuple_0 X1) \wedge ((k5_xtuple_0 X0 = k5_xtuple_0 X1) \wedge (k2_xtuple_0 X0 = k2_xtuple_0 X1)))) \Rightarrow (X0 = X1))$$