

t1_polyform (TMJsdwk-
SHs1AgHHJKG7njCk5A3VbD8XBnRS)

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Let $k2_tarSKI : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_tarSKI X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k2_tarSKI X0 X1 = k2_tarSKI X1 X0 \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. ((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow ((\forall X3. \forall X4. \neg (X3 \neq X4) \wedge (X0 = k2_tarSKI X3 X4)) \vee ((X1 = X2) \vee (X0 = k2_tarSKI X1 X2)))$$