

t48_scmyciel
(TMRTs96xwofsX2tYci7y3m5Zd8u61f8EPAU)

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Let $v5_scmyciel : \iota \Rightarrow o$ be given. Let $k1_tarSKI : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $k3_tarSKI : \iota \Rightarrow \iota$ be given. Let $k2_tarSKI : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_scmyciel : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1_xboole_0 X1) \quad (1)$$

Assume the following.

$$\forall X0. (v4_scmyciel X0) \Rightarrow ((\forall X1. \forall X2. ((X1 \in k3_tarSKI X0) \wedge (X2 \in k3_tarSKI X0)) \Rightarrow ((X1 = X2) \vee (k2_tarSKI X1 X2 \in k1_scmyciel X0))) \Rightarrow (v5_scmyciel X0)) \quad (2)$$

Assume the following.

$$\forall X0. k2_tarSKI X0 X0 = k1_tarSKI X0 \quad (3)$$

Assume the following.

$$v4_scmyciel (k1_tarSKI k1_xboole_0) \quad (4)$$

Assume the following.

$$v1_xboole_0 (k3_tarSKI (k1_tarSKI k1_xboole_0)) \quad (5)$$

Assume the following.

$$k1_xboole_0 = the (\lambda X0 : \iota. v1_xboole_0 X0) \quad (6)$$

Theorem 1 $v5_scmyciel (k1_tarSKI k1_xboole_0)$.