t41_scmyciel (TMEp97mPd2vsPPSYY75jDHeBKXjexWWwFZ2)

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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. Let $k6\_scmyciel : \iota \Rightarrow \iota$ be given. Let $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_scmyciel : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v4\_scmyciel\ X0) \Rightarrow (\forall X1.\forall X2.((X1 \in k3\_tarski\ X0) \wedge (X2 \in k3\_tarski\ X0)) \Rightarrow ((X1 = X2) \vee ((k2\_tarski\ X1\ X2 \in k1\_scmyciel\ X0) \Leftrightarrow (\neg k2\_tarski\ X1\ X2 \in k1\_scmyciel\ (k6\_subset\_1\ (k5\_scmyciel\ (k3\_tarski\ X0))\ (k1\_scmyciel\ X0))))))) \tag{1}$$

Assume the following.

$$\forall X0.(v4\_scmyciel\ X0) \Rightarrow (k6\_scmyciel\ X0 = k6\_subset\_1\ (k5\_scmyciel\ (k3\_tarski\ X0))\ (k1\_scmyciel\ X0)) \tag{2}$$

Theorem 1

$$\forall X0.(v4\_scmyciel\ X0) \Rightarrow (\forall X1.\forall X2.((X1 \in k3\_tarski\ X0) \wedge (X2 \in k3\_tarski\ X0)) \Rightarrow ((X1 = X2) \vee ((k2\_tarski\ X1\ X2 \in k1\_scmyciel\ X0) \Leftrightarrow (\neg k2\_tarski\ X1\ X2 \in k1\_scmyciel\ (k6\_scmyciel\ X0))))))$$