t30_scmyciel (TMNZpx-pAqLeCxQ9G6w8k7muDLjZFHuJ8mXE)

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Let $v4\_scmyciel : \iota \Rightarrow o$ be given. Let $k3\_tarski : \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k9\_bspace : \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_scmyciel : \iota \Rightarrow \iota$ be given. Let $k8\_bspace : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.k9\_bspace\ (k1\_tarski\ X0) = k1\_tarski\ (k1\_tarski\ X0) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{2}$$

Assume the following.

$$\forall X0.(v4\_scmyciel\ X0) \Rightarrow (X0 = k2\_xboole\_0\ (k2\_xboole\_0\ (k1\_tarski\ k1\_xboole\_0)\ (k9\_bspace\ (k3\_tarski\ X0)))\ (k1\_scmyciel\ X0)) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.k2\_tarski\ X0\ X1 = k2\_xboole\_0\ (k1\_tarski\ X0)\ (k1\_tarski\ X1) \tag{4}$$

Assume the following.

$$\forall X0.k2\_xboole\_0\ X0\ k1\_xboole\_0 = X0 \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.\neg(X1 \in k1\_scmyciel\ X0) \wedge (\forall X2.\forall X3.\ \neg(X2 \neq X3) \wedge ((X2 \in k3\_tarski\ X0) \wedge ((X3 \in k3\_tarski\ X0) \wedge (X1 = k2\_tarski\ X2\ X3)))) \tag{6}$$

Assume the following.

$$\forall X0.k9\_bspace\ X0 = k8\_bspace\ X0 \tag{7}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Leftrightarrow (\forall X1.\neg X1 \in X0) \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1\_tarski\ X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \tag{9}$$

Theorem 1

$$\forall X0.(v4\_scmyciel\ X0) \Rightarrow (\forall X1.(k3\_tarski\ X0 = k1\_tarski\ X1) \Rightarrow (X0 = k2\_tarski\ k1\_xboole\_0\ (k1\_tarski\ X1)))$$