

# t17\_scmyciel (TMSqUHKN- Bix6oz4agG2TRSg4UNuapbnRQg8)

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Let  $v1\_scmyciel : \iota \Rightarrow o$  be given. Let  $k1\_scmyciel : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k3\_tarski : \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \neg(X0 \neq k1\_xboole\_0) \wedge (\forall X1. \neg X1 \in X0) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \neg(X1 \in k1\_scmyciel X0) \wedge (\forall X2. \forall X3. \\ & \neg(X2 \neq X3) \wedge ((X2 \in k3\_tarski X0) \wedge ((X3 \in k3\_tarski X0) \wedge (X1 = k2\_tarski \\ & \quad X2 X3)))) \end{aligned} \quad (2)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (3)$$

Assume the following.

$$\forall X0. (v1\_scmyciel X0) \Rightarrow (v1\_xboole\_0 (k3\_tarski X0)) \quad (4)$$

Assume the following.

$$k1\_xboole\_0 = the (\lambda X0 : \iota. v1\_xboole\_0 X0) \quad (5)$$

Assume the following.

$$\forall X0. (v1\_xboole\_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (6)$$

**Theorem 1**  $\forall X0. (v1\_scmyciel X0) \Rightarrow (k1\_scmyciel X0 = k1\_xboole\_0).$