

t60\_scmyciel  
(TML4s12GRmd2M9euCcfKWZD81AHn97MhVrk)

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Let  $v4\_scmyciel : \iota \Rightarrow o$  be given. Let  $v9\_scmyciel : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_subset\_1 : \iota \Rightarrow \iota$  be given. Let  $k3\_tarski : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X0 (k1\_zfmisc\_1 X1)) \Leftrightarrow (r1\_tarski X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. v1\_xboole\_0 (k1\_subset\_1 X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (3)$$

Assume the following.

$$\forall X0. k1\_subset\_1 X0 = k1\_xboole\_0 \quad (4)$$

Assume the following.

$$\forall X0. (v1\_xboole\_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (5)$$

Assume the following.

$$\begin{aligned} \forall X0. (v4\_scmyciel X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 \\ (k3\_tarski X0))) \Rightarrow ((v9\_scmyciel X1 X0) \Leftrightarrow (\forall X2. \forall X3. \\ \neg (X2 \neq X3) \wedge ((X2 \in X1) \wedge ((X3 \in X1) \wedge (k2\_tarski X2 X3 \in X0)))))) \end{aligned} \quad (6)$$

**Theorem 1**

$$\forall X0. (v4\_scmyciel X0) \Rightarrow (v9\_scmyciel (k1\_subset\_1 (k3\_tarski X0)) X0)$$