

t95\_scmyciel  
(TMXJpGxXHhJ7HKn3ZujgmD4zkghijyQqjBt)

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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  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k12\_scmyciel : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v4\_scmyciel X0) \Rightarrow (\forall X1.(X1 \in k3\_tarski (k12\_scmyciel X0)) \Leftrightarrow (\neg(\neg X1 \in k3\_tarski X0) \wedge ((\forall X2.\neg(X2 \in k3\_tarski X0) \wedge (X1 = k4\_tarski X2 (k3\_tarski X0))) \wedge (X1 \neq k3\_tarski X0)))))) \quad (1)$$

Assume the following.

$$\forall X0.(v4\_scmyciel X0) \Rightarrow (\forall X1.(X1 \in k3\_tarski X0) \Leftrightarrow (k1\_tarski X1 \in X0)) \quad (2)$$

Assume the following.

$$\forall X0.(v4\_scmyciel X0) \Rightarrow (v4\_scmyciel (k12\_scmyciel X0)) \quad (3)$$

**Theorem 1**

$$\forall X0.(v4\_scmyciel X0) \Rightarrow (\forall X1.(X1 \in k3\_tarski X0) \Rightarrow (k1\_tarski (k4\_tarski X1 (k3\_tarski X0)) \in k12\_scmyciel X0))$$