

# t46\_scmyciel (TMKeLvFN- jJvV18pmgTjcBJk5VdkB3QR81Wx)

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Let  $v4\_scmyciel : \iota \Rightarrow o$  be given. Let  $k3\_tarski : \iota \Rightarrow \iota$  be given. Let  $k7\_scmyciel : \iota \Rightarrow \iota \Rightarrow \iota$  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  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski (k1\_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (1)$$

Assume the following.

$$\forall X0. (v4\_scmyciel X0) \Rightarrow (\forall X1. (k3\_tarski X0 = k1\_tarski X1) \Rightarrow (X0 = k2\_tarski k1\_xboole\_0 (k1\_tarski X1))) \quad (2)$$

Assume the following.

$$\forall X0. (v4\_scmyciel X0) \Rightarrow (\forall X1. (r1\_tarski X1 (k3\_tarski X0)) \Rightarrow (k3\_tarski (k7\_scmyciel X0 X1) = X1)) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (v4\_scmyciel X0) \Rightarrow (v4\_scmyciel (k7\_scmyciel X0 X1)) \quad (4)$$

## Theorem 1

$$\forall X0. (v4\_scmyciel X0) \Rightarrow (\forall X1. (X1 \in k3\_tarski X0) \Rightarrow (k7\_scmyciel X0 (k1\_tarski X1) = k2\_tarski k1\_xboole\_0 (k1\_tarski X1)))$$