

t11\_scmyciel  
(TMP2DZ61YNchRciWnYmMsejZnMAgLwbMCmT)

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Let  $k1\_scmyciel : \iota \Rightarrow \iota$  be given. Let  $k3\_tarski : \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \neg(k1\_card\_1 X0 = np\_2) \wedge (\forall X1. \forall X2. \neg(X1 \neq X2) \wedge (X0 = k2\_tarski X1 X2)) \quad (1)$$

Assume the following.

$$\forall X0. m1\_subset\_1 (k1\_scmyciel X0) (k1\_zfmisc\_1 X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k3\_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (\exists X3. (X2 \in X3) \wedge (X3 \in X0))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2\_tarski X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \Rightarrow ((X1 = k1\_scmyciel X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((X2 \in X0) \wedge (k1\_card\_1 X2 = np\_2)))) \quad (5)$$

**Theorem 1**

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