

# t64\_scmyciel (TMQnKMbMyqJRuBptzm- pJhKqa33Wh4sEcgCi)

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Let  $v4\_scmyciel : \iota \Rightarrow o$  be given. Let  $v9\_scmyciel : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k3\_tarski : \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  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.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. (v4\_scmyciel X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 \\ (k3\_tarski X0))) \Rightarrow ((v9\_scmyciel X1 X0) \Leftrightarrow (\forall X2. \forall X3. \\ \neg (X2 \neq X3) \wedge ((X2 \in X1) \wedge ((X3 \in X1) \wedge (k2\_tarski X2 X3 \in X0)))))) \end{aligned} \quad (3)$$

## Theorem 1

$$\begin{aligned} \forall X0. (v4\_scmyciel X0) \Rightarrow (\forall X1. ((v9\_scmyciel X1 X0) \wedge \\ (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_tarski X0)))) \Rightarrow (\forall X2. ( \\ m1\_subset\_1 X2 (k1\_zfmisc\_1 X1)) \Rightarrow ((v9\_scmyciel X2 X0) \wedge (m1\_subset\_1 \\ X2 (k1\_zfmisc\_1 (k3\_tarski X0)))))) \end{aligned}$$