t34_scmyciel (TMdUeCByp-iCa8vVxTVCKQb22EHT5X3jc69p)

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Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_scmyciel : \iota \Rightarrow \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_card\_1 : \iota \Rightarrow \iota$ 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. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.r1\_xxreal\_0\ (k5\_card\_1\ (k2\_tarski\ X0\ X1))\ np\_\_2 \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ X1)) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski\ (k2\_tarski\ X0\ X1)\ X2) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X2)) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.v1\_finset\_1\ (k2\_tarski\ X0\ X1) \tag{4}$$

Assume the following.

$$\forall X0.k5\_scmyciel\ X0 = ReplSep\ (toset\ (\lambda X1 : \iota.(v1\_finset\_1\ X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0))))\ (\lambda X1 : \iota.r1\_xxreal\_0\ (k5\_card\_1\ X1)\ np\_\_2)\ (\lambda X1 : \iota.X1) \tag{5}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow (k2\_tarski\ X1\ X2 \in k5\_scmyciel\ X0)$$