

t110_scmyciel (TMaxUZDNu- vNUo6zmpLaf9zWxGzr9A836oEq)

October 27, 2020

Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $v6_scmyciel : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_2 : \iota$ be given. Let $k8_scmyciel : \iota \Rightarrow \iota$ be given. Let $k12_scmyciel : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $v5_scmyciel : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_scmyciel : \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (r1_tarski X0 (k12_scmyciel X0)) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v4_scmyciel X0) \wedge (v6_scmyciel X0)) \Rightarrow (\forall X1. \\ & ((v4_scmyciel X1) \wedge (v6_scmyciel X1)) \Rightarrow ((r1_tarski X0 X1) \Rightarrow (r1_xxreal_0 \\ & (k8_scmyciel X0) (k8_scmyciel X1)))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow ((r1_xxreal_0 X0 X1) \wedge (r1_xxreal_0 X1 X0)) \Rightarrow (X0 = X1)) \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v4_scmyciel X0) \wedge (v6_scmyciel X0)) \Rightarrow ((r1_xxreal_0 \\ & np_2 (k8_scmyciel X0)) \Rightarrow (\forall X1.((v1_finset_1 X1) \wedge ((v4_scmyciel \\ & X1) \wedge ((v5_scmyciel X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k12_scmyciel \\ & X0)))))) \Rightarrow (r1_xxreal_0 (k2_scmyciel X1) (k8_scmyciel X0)))) \end{aligned} \quad (4)$$

Assume the following.

$$\forall X0.((v4_scmyciel X0) \wedge (v6_scmyciel X0)) \Rightarrow ((v4_scmyciel (k12_scmyciel X0)) \wedge (v6_scmyciel (k12_scmyciel X0))) \quad (5)$$

Assume the following.

$$\forall X0.((v4_scmyciel X0) \wedge (v6_scmyciel X0)) \Rightarrow (v7_ordinal1 (k8_scmyciel X0)) \quad (6)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (v4_scmyciel (k12_scmyciel X0)) \quad (7)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v4_scmyciel X0) \wedge (v6_scmyciel X0)) \Rightarrow (\forall X1. \\ & (v7_ordinal1 X1) \Rightarrow ((X1 = k8_scmyciel X0) \Leftrightarrow ((\exists X2.((v1_finset.1 \\ & X2) \wedge ((v4_scmyciel X2) \wedge ((v5_scmyciel X2) \wedge (m1_subset.1 X2 (k1_zfmisc.1 \\ & X0)))))) \wedge (k2_scmyciel X2 = X1)) \wedge (\forall X2.((v1_finset.1 X2) \wedge \\ & ((v4_scmyciel X2) \wedge ((v5_scmyciel X2) \wedge (m1_subset.1 X2 (k1_zfmisc.1 \\ & X0)))))) \Rightarrow (r1_xxreal.0 (k2_scmyciel X2) X1)))))) \end{aligned} \quad (8)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (v1_xxreal.0 X0) \quad (9)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v4_scmyciel X0) \wedge (v6_scmyciel X0)) \Rightarrow ((r1_xxreal.0 \\ & np_2 (k8_scmyciel X0)) \Rightarrow (k8_scmyciel (k12_scmyciel X0) = k8_scmyciel \\ & X0)) \end{aligned}$$