

t111_member_1
(TMXP6DbuaceSvmzJ7axpN52Nn7MzrmN6KBP)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k14_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k6_xxreal_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k12_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xxreal_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_member_1 : \iota \Rightarrow \iota$ be given. Let $k5_xxreal_3 : \iota \Rightarrow \iota$ be given. Let $v2_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k12_member_1 (k1_tarski X0) (k1_tarski X1) = k1_tarski (k4_xxreal_3 X0 X1))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (k6_member_1 (k1_tarski X0) = k1_tarski (k5_xxreal_3 X0)) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (v2_membered (k1_tarski X0)) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (v1_xxreal_0 (k5_xxreal_3 X0)) \quad (4)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k6_xxreal_3 X0 X1 = k4_xxreal_3 X0 (k5_xxreal_3 X1))) \quad (5)$$

Assume the following.

$$\forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v2_membered X1) \Rightarrow (k14_member_1 X0 X1 = k12_member_1 X0 (k6_member_1 X1))) \quad (6)$$

Theorem 1

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k14_member_1 (k1_tarski X0) (k1_tarski X1) = k1_tarski (k6_xxreal_3 X0 X1)))$$