

t47_xxreal_2
(TMPv52ZCevUuCpmR57FQkEGDvPDzJtRJ7Xv)

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Let $v3_xxreal_2 : \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m2_xxreal_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3_xxreal_0 : \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Let $v2_ordinal1 : \iota \Rightarrow o$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $v1_int_2 : \iota \Rightarrow o$ be given. Let $v2_membered : \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (r1_xxreal_0 X0 k1_xxreal_0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow ((m2_xxreal_2 X0 (k1_tarski X1)) \Leftrightarrow (r1_xxreal_0 X0 X1))) \quad (2)$$

Assume the following.

$$\forall X0.k2_tarski X0 X0 = k1_tarski X0 \quad (3)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (k1_xxreal_1 X0 X0 = k1_tarski X0) \quad (4)$$

Assume the following.

$$\begin{aligned} \exists X0.(v1_xxreal_0 X0) \wedge ((\neg v3_xxreal_0 X0) \wedge ((\neg v1_xboole_0 \\ X0) \wedge ((v1_ordinal1 X0) \wedge ((v2_ordinal1 X0) \wedge ((v3_ordinal1 X0) \wedge \\ ((v7_ordinal1 X0) \wedge ((v1_xcmplx_0 X0) \wedge ((v1_xreal_0 X0) \wedge ((v1_int_1 \\ X0) \wedge (\neg v1_int_2 X0)))))))))) \quad (5) \end{aligned}$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 X0) \wedge (v1_xxreal_0 X1)) \Rightarrow (v2_membered (k1_xxreal_1 X0 X1)) \quad (6)$$

Assume the following.

$$v1_xxreal_0 \ k1_xxreal_0 \tag{7}$$

Assume the following.

$$\forall X0.(v2_membered \ X0) \Rightarrow ((v3_xxreal_2 \ X0) \Leftrightarrow (\exists X1.(v1_xreal_0 \ X1) \wedge (m2_xxreal_2 \ X1 \ X0))) \tag{8}$$

Assume the following.

$$k1_xxreal_0 = k1_numbers \tag{9}$$

Assume the following.

$$\forall X0.(v1_xreal_0 \ X0) \Rightarrow (v1_xxreal_0 \ X0) \tag{10}$$

Theorem 1 $v3_xxreal_2 \ (k1_tarski \ k1_xxreal_0)$.