

t48\_xxreal.2 (TMMgC-  
sRsnHUnoFNp3wYws4Ataf7Dt8xP5YV)

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Let  $v4\_xxreal.2 : \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k2\_xxreal.0 : \iota$  be given. Let  $v1\_xxreal.0 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal.0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_xxreal.2 : \iota \Rightarrow \iota \Rightarrow o$  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. Assume the following.

$$\forall X0.(v1\_xreal.0 X0) \Rightarrow (r1\_xxreal.0 k2\_xxreal.0 X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xreal.0 X0) \Rightarrow (\forall X1.(v1\_xreal.0 X1) \Rightarrow ((m1\_xxreal.2 X0 (k1\_tarski X1)) \Leftrightarrow (r1\_xxreal.0 X1 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v1\_xxreal.0 X0) \Rightarrow (k1\_xxreal.1 X0 X0 = k1\_tarski X0) \quad (3)$$

Assume the following.

$$\exists X0.(v1\_xxreal.0 X0) \wedge ((\neg v3\_xxreal.0 X0) \wedge ((\neg v1\_xboole.0 X0) \wedge ((v1\_ordinal1 X0) \wedge ((v2\_ordinal1 X0) \wedge ((v3\_ordinal1 X0) \wedge ((v7\_ordinal1 X0) \wedge ((v1\_xcmplx.0 X0) \wedge ((v1\_xreal.0 X0) \wedge ((v1\_int.1 X0) \wedge (\neg v1\_int.2 X0)))))))))) \quad (4)$$

Assume the following.

$$v1\_xxreal.0 k2\_xxreal.0 \quad (5)$$

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.

$$\forall X0.(v2\_membered\ X0)\Rightarrow((v4\_xxreal\_2\ X0)\Leftrightarrow(\exists X1.(v1\_xreal\_0\ X1)\wedge(m1\_xxreal\_2\ X1\ X0))) \quad (7)$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Rightarrow(v1\_xxreal\_0\ X0) \quad (8)$$

**Theorem 1**  $v4\_xxreal\_2\ (k1\_tarski\ k2\_xxreal\_0)$ .