

t12_xxreal_2

(TMTy5URNb2MYWUDTYsL6gUtmEPPrjUGxoDaD)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k4_xxreal_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xxreal_2 : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v2_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. k2_tarski X0 X1 = k2_xboole_0 (k1_tarski X0) (k1_tarski X1) \quad (1)$$

Assume the following.

$$\forall X0. (v2_membered X0) \Rightarrow (\forall X1. (v2_membered X1) \Rightarrow (k1_xxreal_2 (k2_xboole_0 X0 X1) = k4_xxreal_0 (k1_xxreal_2 X0) (k1_xxreal_2 X1))) \quad (2)$$

Assume the following.

$$\forall X0. (v1_xxreal_0 X0) \Rightarrow (k1_xxreal_2 (k1_tarski X0) = X0) \quad (3)$$

Assume the following.

$$\forall X0. (v1_xxreal_0 X0) \Rightarrow (v2_membered (k1_tarski X0)) \quad (4)$$

Theorem 1

$$\forall X0. (v1_xxreal_0 X0) \Rightarrow (\forall X1. (v1_xxreal_0 X1) \Rightarrow (k4_xxreal_0 X0 X1 = k1_xxreal_2 (k2_tarski X0 X1)))$$