

t427_xxreal_1

(TMRwoggR6bagrMXP5dSKS8sN8rtu7Kq2pEc)

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Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k2_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k4_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\neg(X0 \in k1_numbers) \wedge (r1_xxreal_0 k1_xxreal_0 X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow ((\neg r1_xxreal_0 X1 X0) \Rightarrow (k2_xxreal_1 X0 X1 = k2_xboole_0 (k1_tarski X0) (k4_xxreal_1 X0 X1)))) \quad (2)$$

Assume the following.

$$v1_xxreal_0 k1_xxreal_0 \quad (3)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Leftrightarrow (X0 \in k1_numbers) \quad (4)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (v1_xxreal_0 X0) \quad (5)$$

Theorem 1

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (k2_xxreal_1 X0 k1_xxreal_0 = k2_xboole_0 (k1_tarski X0) (k4_xxreal_1 X0 k1_xxreal_0))$$