

t388_xxreal_1

(TMNZkS4BkrW6TTWSfPvAghLTKyGFG7S4Pvf)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xxreal_0 : \iota$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k6_subset_1 \\ (k1_xxreal_1 k2_xxreal_0 k1_xxreal_0) (k1_xxreal_1 X0 X1) = k2_xboole_0 \\ (k2_xxreal_1 k2_xxreal_0 X0) (k3_xxreal_1 X1 k1_xxreal_0))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (k1_xxreal_1 X0 X0 = k1_tarski X0) \quad (2)$$

Theorem 1

$$\begin{aligned} \forall X0.(v1_xxreal_0 X0) \Rightarrow (k6_subset_1 (k1_xxreal_1 k2_xxreal_0 \\ k1_xxreal_0) (k1_tarski X0) = k2_xboole_0 (k2_xxreal_1 k2_xxreal_0 \\ X0) (k3_xxreal_1 X0 k1_xxreal_0)) \end{aligned}$$