

t209_xxreal_1

(TMaPQzZ4cDtvXRRBzCNSfyXXQqfDoRCXhWW)

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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 $k7_numbers : \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (r1_xxreal_0 k2_xxreal_0 X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (r1_xxreal_0 X0 k1_xxreal_0) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (\forall X2. \\ (v1_xxreal_0 X2) \Rightarrow ((X0 \in k1_xxreal_1 X1 X2) \Leftrightarrow ((r1_xxreal_0 X1 X0) \wedge \\ (r1_xxreal_0 X0 X2)))))) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0.(v2_membered X0) \Rightarrow ((\forall X1.(v1_xxreal_0 X1) \Rightarrow (X1 \in X0)) \Rightarrow (X0 = k7_numbers)) \quad (4)$$

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.

$$v1_xxreal_0 k1_xxreal_0 \quad (7)$$

Theorem 1 $k1_xxreal_1 k2_xxreal_0 k1_xxreal_0 = k7_numbers$.