

t14_radix_1
(TMazMQrrg2X4YLZoFc5CFuE76cwPrhLXX9x)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k2_radix_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(X0 \in k2_radix_1\ k6_numbers) \Leftrightarrow (X0 = k6_numbers) \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (r1_tarski\ (k2_radix_1\ X0)\ (k2_radix_1\ (k2_xcmplx_0\ X0\ np_1))) \quad (2)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0\ np_1) \wedge (m2_subset_1\ np_1\ k1_numbers\ k5_numbers)) \wedge \\ & ((m1_subset_1\ np_1\ k5_numbers) \wedge (m1_subset_1\ np_1\ k1_numbers)) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0 : \iota \Rightarrow o. ((X0\ k6_numbers) \wedge (\forall X1.(v7_ordinal1\ X1) \Rightarrow ((X0\ X1) \Rightarrow (X0\ (k1_nat_1\ X1\ np_1)))) \Rightarrow (\forall X1.(v7_ordinal1\ X1) \Rightarrow (X0\ X1))) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.((v7_ordinal1\ X0) \wedge (m1_subset_1\ X1\ k5_numbers)) \Rightarrow (k1_nat_1\ X0\ X1 = k2_xcmplx_0\ X0\ X1) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski\ X0\ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (6)$$

Theorem 1 $\forall X0.(v7_ordinal1\ X0) \Rightarrow (k6_numbers \in k2_radix_1\ X0).$