

t6_radix_3 (TMavQxYDEs- Dgcdsn2WafkC8LDMKVPKja9Wh)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k1_radix_3 : \iota \Rightarrow \iota$ 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.

$$k6_numbers \in k1_radix_3 \ k6_numbers \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 \ X0) \Rightarrow (r1_tarski \ (k1_radix_3 \ X0) \ (k1_radix_3 \ (k2_xcmplx_0 \ X0 \ np_1))) \quad (2)$$

Assume the following.

$$((v2_xxreal_0 \ np_1) \wedge (m2_subset_1 \ np_1 \ k1_numbers \ k5_numbers)) \wedge ((m1_subset_1 \ np_1 \ k5_numbers) \wedge (m1_subset_1 \ np_1 \ k1_numbers)) \quad (3)$$

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 $\forall X0.(v7_ordinal1 \ X0) \Rightarrow (k6_numbers \in k1_radix_3 \ X0).$