

t9_radix_3 (TMQacmPvyTQMWJdtdyTAh- WsC7MKzVSHtTLK)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_radix_3 : \iota \Rightarrow \iota$ be given. Let $k4_numbers : \iota$ be given. Let $v1_int_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(X1 \in k2_radix_3 X0) \Rightarrow (v1_int_1 X1)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (2)$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Leftrightarrow (X0 \in k4_numbers) \quad (3)$$

Theorem 1 $\forall X0.(v7_ordinal1 X0) \Rightarrow (r1_tarski (k2_radix_3 X0) k4_numbers)$.