

t23_radix_1
 (TMVTJtJo7fquLZoav7Y8hQiop2VXfEK8JNQ)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_radix_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $k11_radix_1 : \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_radix_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_radix_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow ((r1_radix_1 np_1 X0 X1) \Rightarrow (k4_radix_1 np_1 X1 np_1 (k10_radix_1 X1 np_1 X0) = X0))) \quad (1)$$

Theorem 1

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\forall X2.(v7_ordinal1 X2) \Rightarrow (((r1_radix_1 np_1 X0 X1) \wedge (r1_radix_1 np_1 X2 X1)) \Rightarrow (k11_radix_1 (k2_xcmplx_0 (k4_radix_1 np_1 X1 np_1 (k10_radix_1 X1 np_1 X0)) (k4_radix_1 np_1 X1 np_1 (k10_radix_1 X1 np_1 X2)))) = k11_radix_1 (k2_xcmplx_0 X0 X2))))))$$