

t1_radix_3

(TMdPJ2DiRKMTdUfGVkGABmn7Ryy71YcjeaH)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $k2_radix_3 : \iota \Rightarrow \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $k1_radix_1 : \iota \Rightarrow \iota$ be given. Let $k7_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_numbers : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (k2_radix_3 X0 = ReplSep (toset (\lambda X1 : \\ \iota.m1_subset_1 X1 k4_numbers)) (\lambda X1 : \iota.(r1_xxreal_0 (k6_xcmplx_0 \\ (k4_xcmplx_0 (k1_radix_1 (k7_nat_d X0 np_1))) np_1) X1) \wedge (r1_xxreal_0 \\ X1 (k1_radix_1 (k7_nat_d X0 np_1)))))) (\lambda X1 : \iota.X1)) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((X1 \in \\ k2_radix_3 X0) \Rightarrow ((r1_xxreal_0 (k6_xcmplx_0 (k4_xcmplx_0 (k1_radix_1 \\ (k7_nat_d X0 np_1))) np_1) X1) \wedge (r1_xxreal_0 X1 (k1_radix_1 (\\ k7_nat_d X0 np_1))))))) \end{aligned}$$