t13_radix_1 (TM-ScaoEGr78P28RFmdh5i2uRoEhaLZmNSQx)

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Let $v1\_int\_1 : \iota \Rightarrow o$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $k2\_radix\_1 : \iota \Rightarrow \iota$ 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 $k1\_radix\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4\_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (k2\_radix\_1\ X0 = ReplSep\ (toset\ (\lambda X1 : \iota.m1\_subset\_1\ X1\ k4\_numbers))\ (\lambda X1 : \iota.(r1\_xxreal\_0\ X1\ (k6\_xcmplx\_0\ (k1\_radix\_1\ X0)\ np\_\_1)) \wedge (r1\_xxreal\_0\ (k2\_xcmplx\_0\ (k4\_xcmplx\_0\ (k1\_radix\_1\ X0))\ np\_\_1)\ X1))\ (\lambda X1 : \iota.X1)) \tag{1}$$

Theorem 1

$$\forall X0.(v1\_int\_1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow ((X0 \in k2\_radix\_1\ X1) \Rightarrow ((r1\_xxreal\_0\ X0\ (k6\_xcmplx\_0\ (k1\_radix\_1\ X1)\ np\_\_1)) \wedge (r1\_xxreal\_0\ (k2\_xcmplx\_0\ (k4\_xcmplx\_0\ (k1\_radix\_1\ X1))\ np\_\_1)\ X0))))$$