t10_radix_5 (TMUAgSRpGuv5dZjszeUnHdqE5q4pRw3YGcN)

October 27, 2020

Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_2 : \iota$ be given. Let $k11\_radix\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_radix\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k5\_numbers : \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_int\_1 : \iota \Rightarrow o$ be given. Let $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\neg(r1\_xxreal\_0\ np\_\_2\ X0) \wedge (r1\_xxreal\_0\ (k1\_radix\_1\ X0)\ np\_\_2)) \tag{1}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{2}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (m1\_subset\_1\ (k1\_radix\_1\ X0)\ k5\_numbers) \tag{3}$$

Assume the following.

$$\forall X0.(v1\_int\_1\ X0) \Rightarrow (((\neg r1\_xxreal\_0\ X0\ np\_\_2) \Rightarrow (k11\_radix\_1\ X0 = np\_\_1)) \wedge (((\neg r1\_xxreal\_0\ (k4\_xcmplx\_0\ np\_\_2)\ X0) \Rightarrow (k11\_radix\_1\ X0 = k4\_xcmplx\_0\ np\_\_1)) \wedge (((r1\_xxreal\_0\ X0\ np\_\_2) \wedge (r1\_xxreal\_0\ (k4\_xcmplx\_0\ np\_\_2)\ X0)) \Rightarrow (k11\_radix\_1\ X0 = k6\_numbers)))) \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v7\_ordinal1\ X0) \tag{5}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (v1\_int\_1\ X0) \tag{6}$$

Theorem 1

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow ((r1\_xxreal\_0\ np\_\_2\ X0) \Rightarrow (k11\_radix\_1\ (k1\_radix\_1\ X0) = np\_\_1))$$