l9_pdiff_9 (TMR4k32daYHFRiZxS4TH9HLKvkJpxpQApXk)

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Let $m1\_subset\_1 : \iota{\Rightarrow}\iota{\Rightarrow}o$ be given. Let $k1\_numbers : \iota$ be given. Let $m2\_finseq\_2 : \iota{\Rightarrow}\iota{\Rightarrow}\iota{\Rightarrow}o$ be given. Let $k1\_euclid : \iota{\Rightarrow}\iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k12\_finseq\_1 : \iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k17\_complex1 : \iota{\Rightarrow}\iota$ be given. Let $k12\_euclid : \iota{\Rightarrow}\iota$ be given. Let $k1\_jordan2b : \iota{\Rightarrow}\iota$ be given. Let $k18\_complex1 : \iota{\Rightarrow}\iota$ be given. Let $v1\_xreal\_0 : \iota{\Rightarrow}o$ be given. Let $k5\_finseq\_1 : \iota{\Rightarrow}\iota$ be given. Let $v1\_xcmplx\_0 : \iota{\Rightarrow}o$ be given. Let $k16\_complex1 : \iota{\Rightarrow}\iota$ be given. Let $v1\_xboole\_0 : \iota{\Rightarrow}o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers){\Rightarrow}(k12\_euclid\ (k1\_jordan2b\ X0) = k18\_complex1\ X0) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0){\Rightarrow}(k1\_jordan2b\ X0 = k5\_finseq\_1\ X0) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0){\Rightarrow}(k18\_complex1\ X0 = k16\_complex1\ X0) \tag{3}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0){\Rightarrow}(k17\_complex1\ X0 = k16\_complex1\ X0) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0)\wedge(m1\_subset\_1\ X1\ X0)){\Rightarrow}(k12\_finseq\_1\ X0\ X1 = k5\_finseq\_1\ X1) \tag{5}$$

Assume the following.

$$\neg v1\_xboole\_0\ k1\_numbers \tag{6}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0){\Rightarrow}(v1\_xcmplx\_0\ X0) \tag{7}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers){\Rightarrow}(v1\_xreal\_0\ X0) \tag{8}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(\forall X1.(m2\_finseq\_2\ X1\ k1\_numbers\ (k1\_euclid\ np\_\_1))\Rightarrow((k12\_finseq\_1\ k1\_numbers\ X0 = X1)\Rightarrow(k17\_complex1\ X0 = k12\_euclid\ X1)))$$