l1_comseq_3 (TMKPcV95nBHZwRGJgw5odiDA111KGNFoEre)

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Let $k5\_complex1 : \iota$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7\_complex1 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xcmplx\_0 : \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k5\_arytm\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_funct\_4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1\ X0\ X1) \tag{2}$$

Assume the following.

$$k7\_complex1 = k1\_xcmplx\_0 \tag{3}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{4}$$

Assume the following.

$$k5\_complex1 = k1\_xboole\_0 \tag{5}$$

Assume the following.

$$\exists X0.(v1\_xboole\_0\ X0) \wedge ((v1\_xcmplx\_0\ X0) \wedge ((v1\_xxreal\_0\ X0) \wedge (v1\_xreal\_0\ X0))) \tag{6}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (k5\_arytm\_0\ X0\ X1 = k2\_xcmplx\_0\ X0\ (k3\_xcmplx\_0\ X1\ k7\_complex1))) \tag{7}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ k1\_numbers)\Rightarrow(((X1 = k6\_numbers)\Rightarrow(k5\_arytm\_0\ X0\ X1 = X0))\wedge((X1\neq k6\_numbers)\Rightarrow(k5\_arytm\_0\ X0\ X1 = k5\_funct\_4\ k1\_numbers\ k6\_numbers\ np\_\_1\ X0\ X1)))) \tag{8}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Leftrightarrow(X0 \in k1\_numbers) \tag{9}$$

Theorem 1

$$k5\_complex1 = k2\_xcmplx\_0\ k6\_numbers\ (k3\_xcmplx\_0\ k6\_numbers\ k7\_complex1)$$