

t30_complex1

(TMHadV6eeotEsUnh15E3ZoWZNDyBuU19i8u)

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Let $k15_complex1 : \iota \Rightarrow \iota$ be given. Let $k6_complex1 : \iota$ be given. Let $k3_complex1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k4_complex1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_0 : \iota$ be given. Let $k1_xcmplx_0 : \iota$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $k7_complex1 : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k14_complex1 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_numbers : \iota$ be given. Assume the following.

$$(k3_complex1\ k6_complex1 = np_1) \wedge (k4_complex1\ k6_complex1 = k6_numbers) \quad (1)$$

Assume the following.

$$k3_xcmplx_0\ np_0\ k1_xcmplx_0 = np_0 \quad (2)$$

Assume the following.

$$k6_xcmplx_0\ np_1\ np_0 = np_1 \quad (3)$$

Assume the following.

$$k2_xcmplx_0\ np_1\ (k4_xcmplx_0\ np_1) = np_0 \quad (4)$$

Assume the following.

$$k7_complex1 = k1_xcmplx_0 \quad (5)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (6)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow (k15_complex1\ X0 = k14_complex1\ X0) \quad (7)$$

Assume the following.

$$k2_xcmplx_0 \ np_1 \ (k4_xcmplx_0 \ np_1) = k6_numbers \quad (8)$$

Assume the following.

$$m1_subset_1 \ k6_complex1 \ k2_numbers \quad (9)$$

Assume the following.

$$k6_complex1 = np_1 \quad (10)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 \ X0) \Rightarrow (k14_complex1 \ X0 = k6_xcmplx_0 \ (k3_complex1 \ X0) \ (k3_xcmplx_0 \ (k4_complex1 \ X0) \ k7_complex1)) \quad (11)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k2_numbers) \Rightarrow (v1_xcmplx_0 \ X0) \quad (12)$$

Theorem 1 $k15_complex1 \ k6_complex1 = k6_complex1$.