

t38_complex1

(TMKnkXW3sKzXcdCgHznLBuMxkYcjPv8C1Ad)

October 27, 2020

Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k4_complex1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k15_complex1 : \iota \Rightarrow \iota$ be given. Let $k3_complex1 : \iota \Rightarrow \iota$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $k14_complex1 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Assume the following.

$$(k3_complex1\ k6_numbers = k6_numbers) \wedge (k4_complex1\ k6_numbers = k6_numbers) \tag{1}$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow ((k15_complex1\ X0 = k6_numbers) \Rightarrow (X0 = k6_numbers)) \tag{2}$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow ((k3_complex1\ (k15_complex1\ X0) = k3_complex1\ X0) \wedge (k4_complex1\ (k15_complex1\ X0) = k1_real_1\ (k4_complex1\ X0))) \tag{3}$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow (k15_complex1\ X0 = k14_complex1\ X0) \tag{4}$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow (k15_complex1\ (k15_complex1\ X0) = X0) \tag{5}$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow (m1_subset_1\ (k4_complex1\ X0)\ k1_numbers) \tag{6}$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0) \Rightarrow (v1_xcmplx_0\ (k14_complex1\ X0)) \tag{7}$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow ((X0 = X1) \Leftrightarrow ((k3_complex1 X0 = k3_complex1 X1) \wedge (k4_complex1 X0 = k4_complex1 X1)))) \quad (8)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xcmplx_0 X0) \quad (9)$$

Theorem 1

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow ((k4_complex1 X0 = k6_numbers) \Rightarrow (k15_complex1 X0 = X0))$$