

t33_complex1

(TMN3Z6GNmCMzwcxZTjkryxWPYVDnvps2SbB)

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Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k15_complex1 : \iota \Rightarrow \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $k10_complex1 : \iota \Rightarrow \iota$ be given. Let $k3_complex1 : \iota \Rightarrow \iota$ be given. Let $k4_complex1 : \iota \Rightarrow \iota$ 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 $k2_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow ((k3_complex1 (k15_complex1 X0) = k3_complex1 X0) \wedge (k4_complex1 (k15_complex1 X0) = k1_real_1 (k4_complex1 X0))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow ((k3_complex1 (k4_xcmplx_0 X0) = k1_real_1 (k3_complex1 X0)) \wedge (k4_complex1 (k4_xcmplx_0 X0) = k1_real_1 (k4_complex1 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k15_complex1 X0 = k14_complex1 X0) \quad (3)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (k10_complex1 X0 = k4_xcmplx_0 X0) \quad (4)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (v1_xcmplx_0 (k4_xcmplx_0 X0)) \quad (5)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (m1_subset_1 (k15_complex1 X0) k2_numbers) \quad (6)$$

Assume the following.

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

Assume the following.

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

Theorem 1

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k15_complex1 (k4_xcmplx_0 X0) = k10_complex1 (k15_complex1 X0))$$