

t188_xcplx_1 (TMWpDr- wZA27MCwpXUXmeAndxkyHi8krTDTY)

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Let $v1_xcplx_0 : \iota \Rightarrow o$ be given. Let $k7_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xcplx_0 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k3_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $c5_xreal_0 : \iota$ be given. Let $k1_arytm_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $c3_xreal_0 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k7_xcplx_0 X0 X1) \Rightarrow (k7_xcplx_0 np_1 X1) = k3_xcplx_0 X0 X1)) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (k3_xcplx_0 X0 (k4_xcplx_0 np_1) = k4_xcplx_0 X0) \quad (2)$$

Assume the following.

$$k7_xcplx_0 np_1 (k4_xcplx_0 np_1) = k4_xcplx_0 np_1 \quad (3)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (\forall X2.(v1_xcplx_0 X2) \Rightarrow (k7_xcplx_0 X0 (k7_xcplx_0 X1 X2) = k7_xcplx_0 (k3_xcplx_0 X0 X2) X1))) \quad (4)$$

Assume the following.

$$(c5_xreal_0 = k4_xcplx_0 np_1) \wedge (k1_arytm_0 c3_xreal_0 c5_xreal_0 = k6_numbers) \quad (5)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k4_xcplx_0 (k7_xcplx_0 X0 X1) = k7_xcplx_0 (k4_xcplx_0 X0) X1)) \quad (6)$$

Assume the following.

$$m1_subset_1 c5_xreal_0 k1_numbers \quad (7)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xcmplx_0 X0) \quad (8)$$

Theorem 1

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow (k7_xcmplx_0 X0 (k4_xcmplx_0 X1) = k4_xcmplx_0 (k7_xcmplx_0 X0 X1)))$$