

t80_complex1 (TMYxqCu- vJPi2H4LrMQ7TQqmVeNyfjDBFwhR)

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Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k17_complex1 : \iota \Rightarrow \iota$ be given. Let $k13_complex1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_complex1 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow (k13_complex1 (k17_complex1 X0) (k17_complex1 X1) = k17_complex1 (k13_complex1 X0 X1))) \tag{1}$$

Assume the following.

$$k17_complex1 k6_complex1 = np_1 \tag{2}$$

Assume the following.

$$((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \tag{3}$$

Assume the following.

$$k6_complex1 = np_1 \tag{4}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xcmplx_0 X0) \tag{5}$$

Theorem 1

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k17_complex1 (k13_complex1 np_1 X0) = k13_complex1 np_1 (k17_complex1 X0))$$