

t11_square_1

(TMV5p8mY6rDYnydyeZPgYkHwCR5kk8kCoPd)

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Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_square_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k7_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k3_square_1 X0 = k3_square_1 (k4_xcmplx_0 X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow ((k6_xcmplx_0 (k3_square_1 X0) (k3_square_1 X1) \neq k6_numbers) \Rightarrow (k7_xcmplx_0 np_1 (k2_xcmplx_0 X0 X1) = k7_xcmplx_0 (k6_xcmplx_0 X0 X1) (k6_xcmplx_0 (k3_square_1 X0) (k3_square_1 X1)))))) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xcmplx_0 X0) \wedge (v1_xcmplx_0 X1)) \Rightarrow (k2_xcmplx_0 X0 (k4_xcmplx_0 X1) = k6_xcmplx_0 X0 X1) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k4_xcmplx_0 (k4_xcmplx_0 X0) = X0) \quad (4)$$

Assume the following.

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

Theorem 1

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow ((k6_xcmplx_0 (k3_square_1 X0) (k3_square_1 X1) \neq k6_numbers) \Rightarrow (k7_xcmplx_0 np_1 (k6_xcmplx_0 X0 X1) = k7_xcmplx_0 (k2_xcmplx_0 X0 X1) (k6_xcmplx_0 (k3_square_1 X0) (k3_square_1 X1))))))$$