

t212\_xcplx\_1  
(TMKE11RScdJNBKtTxwWh5K1hzRnSgw7y2xG)

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Let  $v1\_xcplx\_0 : \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k6\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_xcplx\_0 : \iota \Rightarrow \iota$  be given. Let  $k3\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k7\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k3\_xcplx\_0 np\_1 X0 = X0) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (\forall X2. \\ & (v1\_xcplx\_0 X2) \Rightarrow (\forall X3.(v1\_xcplx\_0 X3) \Rightarrow (\neg(X0 \neq k6\_numbers) \wedge \\ & ((X1 \neq k6\_numbers) \wedge (k6\_xcplx\_0 (k7\_xcplx\_0 X2 X0) (k7\_xcplx\_0 \\ & X3 X1) \neq k7\_xcplx\_0 (k6\_xcplx\_0 (k3\_xcplx\_0 X2 X1) (k3\_xcplx\_0 \\ & X3 X0)) (k3\_xcplx\_0 X0 X1))))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (k3\_xcplx\_0 X0 (k5\_xcplx\_0 X1) = k7\_xcplx\_0 X0 X1) \quad (3)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (k7\_xcplx\_0 X0 X0 = np\_1)) \quad (4)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k7\_xcplx\_0 np\_1 X0 = k5\_xcplx\_0 X0) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (v1\_xcplx\_0 (k7\_xcplx\_0 X0 X1)) \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (v1\_xcplx\_0 (k6\_xcplx\_0 X0 X1)) \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0 X0)\wedge(v1\_xcmplx\_0 X1))\Rightarrow(v1\_xcmplx\_0 (k3\_xcmplx\_0 X0 X1)) \quad (8)$$

**Theorem 1**

$$\forall X0.(v1\_xcmplx\_0 X0)\Rightarrow(\forall X1.(v1\_xcmplx\_0 X1)\Rightarrow(\neg(X0\neq k6\_numbers)\wedge((X1\neq k6\_numbers)\wedge(k6\_xcmplx\_0 (k5\_xcmplx\_0 X0) (k5\_xcmplx\_0 X1)\neq k3\_xcmplx\_0 (k6\_xcmplx\_0 X1 X0) (k5\_xcmplx\_0 (k3\_xcmplx\_0 X0 X1))))))$$