

t208\_xcplx\_1

(TMQzRE6jyH1TQWt9hsYfcEFFgtSJYwwhEam)

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

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (\neg (X0 \neq k6\_numbers) \wedge ((X1 \neq k6\_numbers) \wedge (k7\_xcplx\_0 np\_1 (k3\_xcplx\_0 X0 X1) = k6\_numbers)))) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k7\_xcplx\_0 np\_1 X0 = k5\_xcplx\_0 X0) \quad (2)$$

Assume the following.

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

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (v1\_xcplx\_0 (k3\_xcplx\_0 X0 X1)) \quad (4)$$

**Theorem 1**

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