

t98\_xcplx\_1

(TMHvF2SBswVLdGAm6GwdAYdFERA36NMmgV7)

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

$$\forall X0. \forall X1. \forall X2. ((v1\_xcplx\_0 X0) \wedge ((v1\_xcplx\_0 X1) \wedge (v1\_xcplx\_0 X2))) \Rightarrow (k3\_xcplx\_0 X0 (k7\_xcplx\_0 X1 X2) = k7\_xcplx\_0 (k3\_xcplx\_0 X0 X1) X2) \quad (1)$$

Assume the following.

$$\forall X0. (v1\_xcplx\_0 X0) \Rightarrow (\forall X1. (v1\_xcplx\_0 X1) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (k3\_xcplx\_0 (k7\_xcplx\_0 X1 X0) X0 = X1))) \quad (2)$$

Assume the following.

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

**Theorem 1**

$$\forall X0. (v1\_xcplx\_0 X0) \Rightarrow (\forall X1. (v1\_xcplx\_0 X1) \Rightarrow (\forall X2. (v1\_xcplx\_0 X2) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (k7\_xcplx\_0 X1 X2 = k3\_xcplx\_0 (k7\_xcplx\_0 X1 X0) (k7\_xcplx\_0 X0 X2)))))$$