

t90\_xcplx\_1

(TMZYX3WfU3TSDG28dc5N8xY7HDEL1CuL3jV)

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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  $k7\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

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

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (\forall X2.(v1\_xcplx\_0 X2) \Rightarrow (k3\_xcplx\_0 X0 (k3\_xcplx\_0 X1 X2) = k3\_xcplx\_0 (k3\_xcplx\_0 X0 X1) X2))) \quad (2)$$

Assume the following.

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

Assume the following.

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

**Theorem 1**

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