

t16\_xcplx\_1  
(TMTGBEuZc69g8rcMRDrcVfbfyqtbkEQuqgx)

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Let  $v1\_xcplx\_0 : \iota \Rightarrow o$  be given. Let  $k6\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k2\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_xcplx\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow ((X0 = k2\_xcplx\_0 X0 X1) \Rightarrow (X1 = k6\_numbers))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (k2\_xcplx\_0 X0 (k4\_xcplx\_0 X1) = k6\_xcplx\_0 X0 X1) \quad (2)$$

Assume the following.

$$k4\_xcplx\_0 k6\_numbers = k6\_numbers \quad (3)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k4\_xcplx\_0 (k4\_xcplx\_0 X0) = X0) \quad (4)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (v1\_xcplx\_0 (k4\_xcplx\_0 X0)) \quad (5)$$

**Theorem 1**

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow ((k6\_xcplx\_0 X0 X1 = X0) \Rightarrow (X1 = k6\_numbers)))$$