

t64\_xcplx\_1  
(TMcBsJ3uKsqufzSj7D4FEJdZE8BxmLew8YY)

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Let  $v1\_xcplx\_0 : \iota \Rightarrow o$  be given. Let  $k7\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k3\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v2\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $np\_1 : \iota$  be given. Let  $k4\_xcplx\_0 : \iota \Rightarrow \iota$  be given. Let  $np\_0 : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k3\_xcplx\_0 np\_2 X0 = k2\_xcplx\_0 X0 X0) \quad (1)$$

Assume the following.

$$\begin{aligned} & ((v2\_xxreal\_0 np\_2) \wedge (m2\_subset\_1 np\_2 k1\_numbers k5\_numbers)) \wedge \\ & ((m1\_subset\_1 np\_2 k5\_numbers) \wedge (m1\_subset\_1 np\_2 k1\_numbers)) \end{aligned} \quad (2)$$

Assume the following.

$$k2\_xcplx\_0 np\_1 (k4\_xcplx\_0 np\_1) = np\_0 \quad (3)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (X1 = k7\_xcplx\_0 (k3\_xcplx\_0 X1 X0) X0))) \quad (4)$$

Assume the following.

$$k2\_xcplx\_0 np\_1 (k4\_xcplx\_0 np\_1) = k6\_numbers \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (k3\_xcplx\_0 X0 X1 = k3\_xcplx\_0 X1 X0) \quad (6)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (v1\_xcplx\_0 X0) \quad (7)$$

**Theorem 1**

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k7\_xcplx\_0 (k2\_xcplx\_0 X0 X0) np\_2 = X0)$$