

t7\_xcplx\_1  
(TMT4dMUem5Ke3N9Cf1sjZ3KMSS8BsGvhp1S)

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Let  $v1\_xcplx\_0 : \iota \Rightarrow o$  be given. Let  $k3\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $v2\_xreal\_0 : \iota \Rightarrow o$  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  $c2\_arytm\_0 : \iota$  be given. Let  $c1\_xreal\_0 : \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (\forall X2. \\ & (v1\_xcplx\_0 X2) \Rightarrow ((k3\_xcplx\_0 X1 X0 = k3\_xcplx\_0 X2 X0) \Rightarrow ((X0 = \\ & k6\_numbers) \vee (X1 = X2)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k3\_xcplx\_0 np\_1 X0 = X0) \quad (2)$$

Assume the following.

$$\begin{aligned} & ((v2\_xreal\_0 np\_1) \wedge (m2\_subset\_1 np\_1 k1\_numbers k5\_numbers)) \wedge \\ & ((m1\_subset\_1 np\_1 k5\_numbers) \wedge (m1\_subset\_1 np\_1 k1\_numbers)) \end{aligned} \quad (3)$$

Assume the following.

$$c2\_arytm\_0 = k6\_numbers \quad (4)$$

Assume the following.

$$c1\_xreal\_0 = k6\_numbers \quad (5)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (v1\_xcplx\_0 X0) \quad (6)$$

**Theorem 1**

$$\begin{aligned} & \forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (( \\ & k3\_xcplx\_0 X1 X0 = X0) \Rightarrow ((X0 = k6\_numbers) \vee (X1 = np\_1)))) \end{aligned}$$