

t117\_xcplx\_1  
(TMT7EXe81MB4uTfvvtzSn48gshgoU1nCMvkg)

October 27, 2020

Let  $v1\_xcplx\_0 : \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k2\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k7\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (\forall X2. \\ & (v1\_xcplx\_0 X2) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (k2\_xcplx\_0 X1 X2 = k3\_xcplx\_0 \\ & X0 (k2\_xcplx\_0 (k7\_xcplx\_0 X1 X0) (k7\_xcplx\_0 X2 X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (k7\_xcplx\_0 X0 X0 = np\_1)) \quad (2)$$

**Theorem 1**

$$\begin{aligned} & \forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (( \\ & X0 \neq k6\_numbers) \Rightarrow (k2\_xcplx\_0 X0 X1 = k3\_xcplx\_0 X0 (k2\_xcplx\_0 \\ & np\_1 (k7\_xcplx\_0 X1 X0)))))) \end{aligned}$$