

l59\_xcplx\_1

(TMEhnLSEb3GAWVKESceHWrfXGW3MJSgn17e)

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

$$\begin{aligned} \forall X0. \forall X1. \forall X2. ((v1\_xcplx\_0 X0) \wedge ((v1\_xcplx\_0 \\ X1) \wedge (v1\_xcplx\_0 X2))) \Rightarrow (k3\_xcplx\_0 X0 (k7\_xcplx\_0 X1 X2) = k7\_xcplx\_0 \\ (k3\_xcplx\_0 X0 X1) X2) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} \forall X0. (v1\_xcplx\_0 X0) \Rightarrow (\forall X1. (v1\_xcplx\_0 X1) \Rightarrow (\forall X2. \\ (v1\_xcplx\_0 X2) \Rightarrow (k3\_xcplx\_0 X0 (k7\_xcplx\_0 X1 X2) = k7\_xcplx\_0 \\ (k3\_xcplx\_0 X0 X1) X2))) \end{aligned}$$