

t82_xcplx_1

(TMZNXoZ6XAWGnc44mqgThH9gToMmFH8CxJh)

October 27, 2020

Let $v1_xcplx_0 : \iota \Rightarrow o$ be given. Let $k7_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (\forall X2. \\ & (v1_xcplx_0 X2) \Rightarrow (k7_xcplx_0 X0 (k7_xcplx_0 X1 X2) = k3_xcplx_0 \\ & (k7_xcplx_0 X2 X1) X0))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (\forall X2. \\ & (v1_xcplx_0 X2) \Rightarrow (k3_xcplx_0 (k7_xcplx_0 X0 X1) X2 = k3_xcplx_0 \\ & (k7_xcplx_0 X2 X1) X0))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (\forall X2. \\ & (v1_xcplx_0 X2) \Rightarrow (k7_xcplx_0 X0 (k7_xcplx_0 X1 X2) = k3_xcplx_0 \\ & (k7_xcplx_0 X0 X1) X2))) \end{aligned}$$