

t1_xcmplx_1 (TMabrw-
Evn41mL6hCzgwX8qX1HHPtmXytSgS)

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Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. ((v1_xcmplx_0 X0) \wedge ((v1_xcmplx_0 \\ X1) \wedge (v1_xcmplx_0 X2))) \Rightarrow (k2_xcmplx_0 (k2_xcmplx_0 X0 X1) X2 = k2_xcmplx_0 \\ X0 (k2_xcmplx_0 X1 X2)) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0. (v1_xcmplx_0 X0) \Rightarrow (\forall X1. (v1_xcmplx_0 X1) \Rightarrow (\forall X2. \\ (v1_xcmplx_0 X2) \Rightarrow (k2_xcmplx_0 X0 (k2_xcmplx_0 X1 X2) = k2_xcmplx_0 \\ (k2_xcmplx_0 X0 X1) X2))) \end{aligned}$$