

t6_xcplx_1
(TMKPL7jzaiPv6LzKPQcsq6aofCuzBr43)

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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. Assume the following.

$$\begin{aligned} & \forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (\forall X2. \\ & (v1_xcplx_0 X2) \Rightarrow ((k3_xcplx_0 X1 X0 = k3_xcplx_0 X2 X0) \Rightarrow ((X0 = \\ & \quad k6_numbers) \vee (X1 = X2)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (k3_xcplx_0 X0 k6_numbers = k6_numbers) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((v1_xcplx_0 X0) \wedge (v1_xcplx_0 X1)) \Rightarrow (v1_xcplx_0 (k3_xcplx_0 X0 X1)) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.((v1_xcplx_0 X0) \wedge (v1_xcplx_0 X1)) \Rightarrow (k3_xcplx_0 X0 X1 = k3_xcplx_0 X1 X0) \tag{4}$$

Theorem 1

$$\begin{aligned} & \forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (\neg \\ & (k3_xcplx_0 X0 X1 = k6_numbers) \wedge ((X0 \neq k6_numbers) \wedge (X1 \neq k6_numbers)))) \end{aligned}$$