

t100_xcplx_1
(TMLFp5rJnGSexx3AZbfTga4hLjBr59C1SdB)

October 27, 2020

Let $v1_xcplx_0 : \iota \Rightarrow o$ be given. Let $k7_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k3_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_xcplx_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (k7_xcplx_0 np_1 X0 = k5_xcplx_0 X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (k5_xcplx_0 (k5_xcplx_0 X0) = X0) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (v1_xcplx_0 (k5_xcplx_0 X0)) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k7_xcplx_0 X0 X1 = k3_xcplx_0 X0 (k5_xcplx_0 X1))) \quad (4)$$

Theorem 1

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k7_xcplx_0 X0 (k7_xcplx_0 np_1 X1) = k3_xcplx_0 X0 X1))$$