

t196_xcplx_1 (TMKBbrRN- HiRy1AvNwzapihY11CmkMSnspqU)

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Let $v1_xcplx_0 : \iota \Rightarrow o$ be given. Let $k7_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xcplx_0 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow ((X0 \neq k6_numbers) \Rightarrow (k7_xcplx_0 X0 (k7_xcplx_0 X0 X1) = X1))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k4_xcplx_0 (k7_xcplx_0 X0 (k4_xcplx_0 X1)) = k7_xcplx_0 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow ((X0 \neq k6_numbers) \Rightarrow (k7_xcplx_0 X0 X0 = np_1)) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (k4_xcplx_0 (k4_xcplx_0 X0) = X0) \quad (4)$$

Theorem 1

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow ((k7_xcplx_0 X0 X1 = k4_xcplx_0 X0) \Rightarrow ((X0 = k6_numbers) \vee (X1 = k4_xcplx_0 np_1))))$$