

t162_xcplx_1 (TMK-
Wny9XJkHyKgYpYLHfAZkz7oNMkCwVYDX)

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Let $v1_xcplx_0 : \iota \Rightarrow o$ be given. Let $k4_xcplx_0 : \iota \Rightarrow \iota$ be given. Let $k2_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k4_xcplx_0 (k2_xcplx_0 (k4_xcplx_0 X0) X1) = k2_xcplx_0 X0 (k4_xcplx_0 X1))) \tag{1}$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k6_xcplx_0 X0 X1 = k2_xcplx_0 X0 (k4_xcplx_0 X1))) \tag{2}$$

Theorem 1

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k4_xcplx_0 (k2_xcplx_0 (k4_xcplx_0 X0) X1) = k6_xcplx_0 X0 X1))$$