

t152_xcplx_1
(TMLs7J7g74ofhbXVUfGsHogwyS3HRhHGK6p)

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

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (X0 = k2_xcplx_0 (k6_xcplx_0 X0 X1) X1)) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (k6_xcplx_0 X0 X1 = k2_xcplx_0 X0 (k4_xcplx_0 X1))) \quad (2)$$

Theorem 1

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow (\forall X2.(v1_xcplx_0 X2) \Rightarrow ((k6_xcplx_0 X0 X1 = k2_xcplx_0 X2 (k4_xcplx_0 X1)) \Rightarrow (X0 = X2))))$$