

t149_xcplx_1 (TMP-
NUpUdP6CUg83y2EFekFMBFH27YZPoNgZ)

October 27, 2020

Let $v1_xcplx_0 : \iota \Rightarrow o$ be given. Let $k6_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k4_xcplx_0 : \iota \Rightarrow \iota$ be given. Let $k2_xcplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

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

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (2)$$

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (k4_xcplx_0 (k4_xcplx_0 X0) = X0) \quad (3)$$

Assume the following.

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

Assume the following.

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (\forall X1.(v1_xcplx_0 X1) \Rightarrow ((X1 = k4_xcplx_0 X0) \Leftrightarrow (k2_xcplx_0 X0 X1 = k6_numbers))) \quad (5)$$

Theorem 1

$$\forall X0.(v1_xcplx_0 X0) \Rightarrow (k6_xcplx_0 k6_numbers X0 = k4_xcplx_0 X0)$$