

t6_chord

(TMcKWA7t2GFzxA596mLVg5vJzy2p3nD7ZEi)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_abian : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_2 : \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_int_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg(r1_xxreal_0 X0 np_2) \wedge ((X0 \neq k6_numbers) \wedge ((X0 \neq np_1) \wedge (X0 \neq np_2)))) \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\neg(v1_abian (k3_xcmplx_0 X0 X1)) \wedge ((\neg v1_abian X0) \wedge (\neg v1_abian X1)))) \quad (2)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (3)$$

Assume the following.

$$v1_xboole_0 k1_xboole_0 \quad (4)$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (v1_abian (k3_xcmplx_0 np_2 X0)) \quad (5)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (v1_int_1 X0) \quad (6)$$

Assume the following.

$$\forall X0.((v1_int_1 X0) \wedge (\neg v1_abian X0)) \Rightarrow ((\neg v1_xboole_0 X0) \wedge (v1_int_1 X0)) \quad (7)$$

Theorem 1

$$\forall X0.((v7_ordinal1 X0) \wedge (\neg v1_abian X0)) \Rightarrow ((r1_xxreal_0 X0 np_2) \Rightarrow (X0 = np_1))$$