

t7_chord

(TMTkY544PCrCx8AdnZP4ZcRKTFs4i3P3HDf)

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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 $np_4 : \iota$ be given. Let $np_1 : \iota$ be given. Let $np_3 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $np_2 : \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg(r1_xxreal_0 X0 np_4) \wedge ((X0 \neq k6_numbers) \wedge ((X0 \neq np_1) \wedge ((X0 \neq np_2) \wedge ((X0 \neq np_3) \wedge (X0 \neq np_4)))))$$
(1)

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k2_xcmplx_0 X0 k6_numbers = X0)$$
(2)

Assume the following.

$$v1_abian np_2$$
(3)

Assume the following.

$$v1_abian np_4$$
(4)

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow ((v1_xcmplx_0 (k4_xcmplx_0 X0)) \wedge (v1_int_1 (k4_xcmplx_0 X0)))$$
(5)

Assume the following.

$$\forall X0.((v1_int_1 X0) \wedge (\neg v1_abian X0)) \Rightarrow ((v1_xcmplx_0 (k4_xcmplx_0 X0)) \wedge (\neg v1_abian (k4_xcmplx_0 X0)))$$
(6)

Assume the following.

$$\forall X0.\forall X1.(((v1_int_1 X0) \wedge (\neg v1_abian X0)) \wedge ((v1_int_1 X1) \wedge (\neg v1_abian X1))) \Rightarrow (v1_abian (k2_xcmplx_0 X0 X1))$$
(7)

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (v1_int_1 X0)$$
(8)

Theorem 1

$$\forall X0.((v7_ordinal1\ X0)\wedge(\neg v1_abian\ X0))\Rightarrow(\neg(r1_xxreal_0\ X0\ np_4)\wedge((X0\neq np_1)\wedge(X0\neq np_3)))$$