

l49_fib_num4 (TMJD-
wQgw5HUzeFvGdR54jG2Wn5bNe7f3CUr)

October 27, 2020

Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_4 : \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_pepin : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k7_square_1 : \iota \Rightarrow \iota$ be given. Let $np_5 : \iota$ be given. Let $k5_square_1 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_0 : \iota$ be given. Let $k6_square_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k3_square_1 : \iota \Rightarrow \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 np_5) \wedge (m2_subset_1 np_5 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset_1 np_5 k5_numbers) \wedge (m1_subset_1 np_5 k1_numbers)) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \end{aligned} \quad (3)$$

Assume the following.

$$v1_xboole_0 np_0 \quad (4)$$

Assume the following.

$$k3_xcmplx_0 np_2 np_1 = np_2 \quad (5)$$

Assume the following.

$$k3_xcmplx_0 np_1 np_1 = np_1 \quad (6)$$

Assume the following.

$$r1_xxreal_0 \ np_0 \ np_5 \quad (7)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k1_numbers) \Rightarrow (k7_square_1 \ X0 = k6_square_1 \ X0) \quad (8)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (9)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k1_numbers) \Rightarrow (k5_square_1 \ X0 = k3_square_1 \ X0) \quad (10)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (11)$$

Assume the following.

$$\forall X0.(v1_int_1 \ X0) \Rightarrow (k1_pepin \ X0 = k3_square_1 \ X0) \quad (12)$$

Assume the following.

$$\neg r1_xxreal_0 \ np_4 \ (k2_xcmplx_0 \ (k6_xcmplx_0 \ np_1 \ (k3_xcmplx_0 \ np_2 \ (k7_square_1 \ np_5))) \ np_5) \quad (13)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k1_numbers) \Rightarrow (m1_subset_1 \ (k7_square_1 \ X0) \ k1_numbers) \quad (14)$$

Assume the following.

$$\forall X0.(v1_xreal_0 \ X0) \Rightarrow ((r1_xxreal_0 \ k6_numbers \ X0) \Rightarrow (\forall X1. (v1_xreal_0 \ X1) \Rightarrow ((X1 = k6_square_1 \ X0) \Leftrightarrow ((r1_xxreal_0 \ k6_numbers \ X1) \wedge (k3_square_1 \ X1 = X0)))))) \quad (15)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 \ X0) \Rightarrow (k3_square_1 \ X0 = k3_xcmplx_0 \ X0 \ X0) \quad (16)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k4_ordinal1) \Rightarrow (v7_ordinal1 \ X0) \quad (17)$$

Assume the following.

$$\forall X0.(v7_ordinal1 \ X0) \Rightarrow (v1_int_1 \ X0) \quad (18)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers)\Rightarrow(v1_xreal_0 X0) \quad (19)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers)\Rightarrow(v1_xcmplx_0 X0) \quad (20)$$

Theorem 1

$$\neg r1_xreal_0 \text{ np_4 } (k2_xcmplx_0 (k6_xcmplx_0 (k1_pepin \text{ np_1}) \\ (k3_xcmplx_0 (k3_xcmplx_0 \text{ np_2 } \text{ np_1}) (k7_square_1 \text{ np_5}))) \\ (k5_square_1 (k7_square_1 \text{ np_5})))$$