

l18_fib_num

(TMahgLDh1AKrLUPpkLdBqb6FnUgDosH2Tyz)

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Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_square_1 : \iota \Rightarrow \iota$ be given. Let $np_5 : \iota$ be given. Let $np_2 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k6_square_1 : \iota \Rightarrow \iota$ be given. Let $np_4 : \iota$ 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. Assume the following.

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

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow (\neg(r1_xxreal_0 k6_numbers X0) \wedge ((\neg r1_xxreal_0 X1 X0) \wedge (r1_xxreal_0 (k6_square_1 X1) (k6_square_1 X0)))))) \quad (2)$$

Assume the following.

$$k7_square_1 np_4 = np_2 \quad (3)$$

Assume the following.

$$((v2_xxreal_0 np_5) \wedge (m2_subset_1 np_5 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_5 k5_numbers) \wedge (m1_subset_1 np_5 k1_numbers)) \quad (4)$$

Assume the following.

$$((v2_xxreal_0 np_4) \wedge (m2_subset_1 np_4 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_4 k5_numbers) \wedge (m1_subset_1 np_4 k1_numbers)) \quad (5)$$

Assume the following.

$$v1_xboole_0 np_0 \quad (6)$$

Assume the following.

$$\neg r1_xxreal_0 np_5 np_4 \quad (7)$$

Assume the following.

$$r1_xreal_0 \text{ } np_0 \text{ } np_4 \tag{8}$$

Assume the following.

$$\forall X0.(m1_subset_1 \text{ } X0 \text{ } k1_numbers) \Rightarrow (k7_square_1 \text{ } X0 = k6_square_1 \text{ } X0) \tag{9}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{10}$$

Assume the following.

$$\forall X0.(m1_subset_1 \text{ } X0 \text{ } k1_numbers) \Rightarrow (v1_xreal_0 \text{ } X0) \tag{11}$$

Theorem 1 $\neg r1_xreal_0 (k7_square_1 \text{ } np_5) \text{ } np_2$.