l71_fib_num4 (TMSZUmjB-nurkEPri8rLcYZERj5EFUmQ1Nwk)

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Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k13\_complex1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_6 : \iota$ be given. Let $np\_\_10 : \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7\_square\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_5 : \iota$ be given. Let $np\_\_1 : \iota$ 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 $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k7\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_3 : \iota$ be given. Assume the following.

$$((v2\_xxreal\_0\ np\_\_6) \wedge (m2\_subset\_1\ np\_\_6\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_6\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_6\ k1\_numbers)) \tag{1}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_5) \wedge (m2\_subset\_1\ np\_\_5\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_5\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_5\ k1\_numbers)) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((v1\_xcmplx\_0\ X0) \wedge ((v1\_xcmplx\_0\ X1) \wedge (v1\_xcmplx\_0\ X2))) \Rightarrow (k3\_xcmplx\_0\ X0\ (k7\_xcmplx\_0\ X1\ X2) = k7\_xcmplx\_0\ (k3\_xcmplx\_0\ X0\ X1)\ X2) \tag{3}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_3) \wedge (m2\_subset\_1\ np\_\_3\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_3\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_3\ k1\_numbers)) \tag{4}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_1) \wedge (m2\_subset\_1\ np\_\_1\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_1\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_1\ k1\_numbers)) \tag{5}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_10) \wedge (m2\_subset\_1\ np\_\_10\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_10\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_10\ k1\_numbers)) \tag{6}$$

Assume the following.

$$k7\_xcmplx\_0\ np\_\_6\ np\_\_10 = k7\_xcmplx\_0\ np\_\_3\ np\_\_5 \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0)\wedge(v1\_xcmplx\_0\ X1))\Rightarrow(k13\_complex1\ X0\ X1 = k7\_xcmplx\_0\ X0\ X1) \tag{8}$$

Assume the following.

$$\neg r1\_xxreal\_0\ (k13\_complex1\ np\_\_3\ np\_\_5)\ (k13\_complex1\ (k3\_xcmplx\_0\ (k7\_square\_1\ np\_\_5)\ (k6\_xcmplx\_0\ (k7\_square\_1\ np\_\_5)\ np\_\_1))\ np\_\_5) \tag{9}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0)\wedge(v1\_xcmplx\_0\ X1))\Rightarrow(v1\_xcmplx\_0\ (k6\_xcmplx\_0\ X0\ X1)) \tag{10}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0)\wedge(v1\_xcmplx\_0\ X1))\Rightarrow(v1\_xcmplx\_0\ (k3\_xcmplx\_0\ X0\ X1)) \tag{11}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(m1\_subset\_1\ (k7\_square\_1\ X0)\ k1\_numbers) \tag{12}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0)\wedge(v1\_xcmplx\_0\ X1))\Rightarrow(k3\_xcmplx\_0\ X0\ X1 = k3\_xcmplx\_0\ X1\ X0) \tag{13}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xcmplx\_0\ X0) \tag{14}$$

Theorem 1

$$\neg r1\_xxreal\_0\ (k13\_complex1\ np\_\_6\ np\_\_10)\ (k3\_xcmplx\_0\ (k6\_xcmplx\_0\ (k7\_square\_1\ np\_\_5)\ np\_\_1)\ (k13\_complex1\ (k7\_square\_1\ np\_\_5)\ np\_\_5))$$