l81_fib_num4 (TM-SjA7PFxmT5mXBL7jTFZPvYzR6uxM9nEqR)

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Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k7\_square\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_5 : \iota$ be given. Let $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k6\_square\_1 : \iota \Rightarrow \iota$ 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 $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (\forall X2.\ (v1\_xreal\_0\ X2) \Rightarrow ((r1\_xxreal\_0\ X0\ X1) \Leftrightarrow (r1\_xxreal\_0\ (k2\_xcmplx\_0\ X0\ X2)\ (k2\_xcmplx\_0\ X1\ X2))))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\neg(\neg r1\_xxreal\_0\ X0\ k6\_numbers) \wedge (r1\_xxreal\_0\ (k6\_square\_1\ X0)\ k6\_numbers)) \tag{3}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_5) \wedge (m2\_subset\_1\ np\_\_5\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_5\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_5\ k1\_numbers)) \tag{4}$$

Assume the following.

$$v1\_xboole\_0\ np\_\_0 \tag{5}$$

Assume the following.

$$\neg r1\_xxreal\_0\ np\_\_5\ np\_\_0 \tag{6}$$

Assume the following.

$$\neg r1\_xxreal\_0\ np\_\_0\ (k4\_xcmplx\_0\ np\_\_1) \tag{7}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (k7\_square\_1\ X0 = k6\_square\_1\ X0) \tag{8}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{9}$$

Assume the following.

$$m1\_subset\_1\ np\_\_1\ k1\_numbers \tag{10}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow ((v1\_xcmplx\_0\ (k4\_xcmplx\_0\ X0)) \wedge (v1\_xreal\_0\ (k4\_xcmplx\_0\ X0))) \tag{11}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (v1\_xreal\_0\ (k6\_square\_1\ X0)) \tag{12}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (v7\_ordinal1\ X0) \tag{13}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (v1\_xreal\_0\ X0) \tag{14}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (v1\_xreal\_0\ X0) \tag{15}$$

Theorem 1

$$(\neg r1\_xxreal\_0\ (k2\_xcmplx\_0\ k6\_numbers\ (k7\_square\_1\ np\_\_5))\ (k2\_xcmplx\_0\ (k4\_xcmplx\_0\ np\_\_1)\ (k7\_square\_1\ np\_\_5))) \wedge (\neg r1\_xxreal\_0\ (k7\_square\_1\ np\_\_5)\ k6\_numbers)$$