l36_gr_cy_3 (TMWyBby-HJyAKpQky4cGKE1jc1B1iyvT1Uvs)

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Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $k6\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_int\_2 : \iota \Rightarrow o$ be given. Let $k6\_numbers : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k2\_newton : \iota \Rightarrow \iota \Rightarrow \iota$ 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 $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $r1\_nat\_d : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4\_nat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow ((\neg(\neg(X0 = k6\_numbers) \wedge (X1 \neq k6\_numbers)) \wedge (k1\_newton\ X0\ X1 = k6\_numbers)) \wedge (\neg(k1\_newton\ X0\ X1 \neq k6\_numbers) \wedge ((X0 = k6\_numbers) \wedge (X1 \neq k6\_numbers))))) \tag{1}$$

Assume the following.

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

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow ((\neg r1\_xxreal\_0\ np\_\_1\ X0) \Rightarrow (X0 = k6\_numbers)) \tag{3}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (k2\_newton\ np\_\_1\ X0 = np\_\_1) \tag{4}$$

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.

$$v1\_xboole\_0\ np\_\_0 \tag{6}$$

Assume the following.

$$k6\_xcmplx\_0\ np\_\_1\ np\_\_1 = np\_\_0 \tag{7}$$

Assume the following.

$$k6\_xcmplx\_0\ np\_\_0\ np\_\_1 = k4\_xcmplx\_0\ np\_\_1 \tag{8}$$

Assume the following.

$$r1\_xxreal\_0\ (k4\_xcmplx\_0\ np\_\_1)\ np\_\_1 \tag{9}$$

Assume the following.

$$r1\_xxreal\_0\ np\_\_0\ np\_\_1 \tag{10}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{11}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k1\_numbers)\wedge(v7\_ordinal1\ X1))\Rightarrow(k2\_newton\ X0\ X1 = k1\_newton\ X0\ X1) \tag{12}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Rightarrow(\forall X1.(v1\_xreal\_0\ X1)\Rightarrow(((r1\_xxreal\_0\ X0\ X1)\wedge(r1\_xxreal\_0\ X1\ X0))\Rightarrow(X0 = X1))) \tag{13}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow((\neg(\neg v1\_int\_2\ X0)\wedge((\neg r1\_xxreal\_0\ X0\ np\_\_1)\wedge(\forall X1.(m2\_subset\_1\ X1\ k1\_numbers\ k5\_numbers)\Rightarrow(\neg(r1\_nat\_d\ X1\ X0)\wedge((\neg r1\_xxreal\_0\ X1\ np\_\_1)\wedge((r1\_xxreal\_0\ (k4\_nat\_1\ X1\ X1)\ X0)\wedge(v1\_int\_2\ X1)))))))\wedge(\neg(\neg(\neg r1\_xxreal\_0\ X0\ np\_\_1)\wedge(\forall X1.(m2\_subset\_1\ X1\ k1\_numbers\ k5\_numbers)\Rightarrow(\neg(r1\_nat\_d\ X1\ X0)\wedge((\neg r1\_xxreal\_0\ X1\ np\_\_1)\wedge((r1\_xxreal\_0\ (k4\_nat\_1\ X1\ X1)\ X0)\wedge(v1\_int\_2\ X1))))))\wedge(v1\_int\_2\ X0))) \tag{14}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0)\Rightarrow(v7\_ordinal1\ X0) \tag{15}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow(v1\_xreal\_0\ X0) \tag{16}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xreal\_0\ X0) \tag{17}$$

Theorem 1

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow(\forall X1.(v7\_ordinal1\ X1)\Rightarrow(\neg(\neg r1\_xxreal\_0\ X1\ np\_\_1)\wedge(((v7\_ordinal1\ (k6\_xcmplx\_0\ (k1\_newton\ X0\ X1)\ np\_\_1))\wedge(v1\_int\_2\ (k6\_xcmplx\_0\ (k1\_newton\ X0\ X1)\ np\_\_1)))\wedge(r1\_xxreal\_0\ X0\ np\_\_1))))$$