l95_pepin (TMLar-wEh9G6vCUNcVyaUUU7xioapmpNAZ54)

October 27, 2020

Let $k4\_nat\_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k13\_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_3 : \iota$ be given. Let $np\_\_4 : \iota$ be given. Let $k4\_pepin : \iota \Rightarrow \iota$ be given. Let $np\_\_81 : \iota$ be given. Let $k2\_nat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_nat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_256 : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $k7\_nat\_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ 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 $np\_\_65537 : \iota$ be given. Let $np\_\_65536 : \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$k4\_pepin\ np\_\_4 = k2\_nat\_1\ (k4\_nat\_1\ np\_\_256\ np\_\_256)\ np\_\_1 \tag{1}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (k7\_nat\_d\ (k2\_xcmplx\_0\ X0\ X1)\ X1 = X0)) \tag{2}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow ((\neg r1\_xxreal\_0\ X1\ X0) \Rightarrow (k4\_nat\_d\ X0\ X1 = X0))) \tag{3}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_81) \wedge (m2\_subset\_1\ np\_\_81\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_81\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_81\ k1\_numbers)) \tag{4}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_65537) \wedge (m2\_subset\_1\ np\_\_65537\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_65537\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_65537\ k1\_numbers)) \tag{5}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_65536)\wedge(m2\_subset\_1\ np\_\_65536\ k1\_numbers\ k5\_numbers))\wedge((m1\_subset\_1\ np\_\_65536\ k5\_numbers)\wedge(m1\_subset\_1\ np\_\_65536\ k1\_numbers)) \tag{6}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_256)\wedge(m2\_subset\_1\ np\_\_256\ k1\_numbers\ k5\_numbers))\wedge((m1\_subset\_1\ np\_\_256\ k5\_numbers)\wedge(m1\_subset\_1\ np\_\_256\ k1\_numbers)) \tag{7}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_1)\wedge(m2\_subset\_1\ np\_\_1\ k1\_numbers\ k5\_numbers))\wedge((m1\_subset\_1\ np\_\_1\ k5\_numbers)\wedge(m1\_subset\_1\ np\_\_1\ k1\_numbers)) \tag{8}$$

Assume the following.

$$k3\_xcmplx\_0\ np\_\_256\ np\_\_256 = np\_\_65536 \tag{9}$$

Assume the following.

$$k2\_xcmplx\_0\ np\_\_65536\ np\_\_1 = np\_\_65537 \tag{10}$$

Assume the following.

$$\neg r1\_xxreal\_0\ np\_\_65537\ np\_\_81 \tag{11}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{12}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k5\_numbers)\wedge(v7\_ordinal1\ X1))\Rightarrow(k4\_nat\_1\ X0\ X1 = k3\_xcmplx\_0\ X0\ X1) \tag{13}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k5\_numbers)\wedge(v7\_ordinal1\ X1))\Rightarrow(k2\_nat\_1\ X0\ X1 = k2\_xcmplx\_0\ X0\ X1) \tag{14}$$

Assume the following.

$$k13\_newton\ np\_\_3\ np\_\_4 = np\_\_81 \tag{15}$$

Assume the following.

$$\forall X0.\forall X1.((v7\_ordinal1\ X0)\wedge(v7\_ordinal1\ X1))\Rightarrow(v7\_ordinal1\ (k2\_xcmplx\_0\ X0\ X1)) \tag{16}$$

Assume the following.

$$\forall X0.\forall X1.((v7\_ordinal1\ X0)\wedge(v7\_ordinal1\ X1))\Rightarrow(m1\_subset\_1\ (k7\_nat\_d\ X0\ X1)\ k5\_numbers) \tag{17}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0)\wedge(v1\_xcmplx\_0\ X1))\Rightarrow(k2\_xcmplx\_0\ X0\ X1 = k2\_xcmplx\_0\ X1\ X0) \tag{18}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k5\_numbers)\wedge(v7\_ordinal1\ X1))\Rightarrow(k2\_nat\_1\ X0\ X1 = k2\_nat\_1\ X1\ X0) \tag{19}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1)\Rightarrow(v7\_ordinal1\ X0) \tag{20}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xcmplx\_0\ X0) \tag{21}$$

Theorem 1 $k4\_nat\_d\ (k13\_newton\ np\_\_3\ np\_\_4)\ (k4\_pepin\ np\_\_4) = np\_\_81$.