

l22_gr_cy_3

(TMJu9m8CA83qpqWMPRBFV3Z7WPpZNK9yFZw)

October 27, 2020

Let $k13_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $np_4 : \iota$ be given. Let $np_16 : \iota$ be given. Let $k4_power : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_xreal_0 : \iota \Rightarrow o$ 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 $k4_ordinal1 : \iota$ be given. Let $k3_power : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$k4_power\ np_2\ np_4 = np_16 \tag{1}$$

Assume the following.

$$\begin{aligned} & ((v2_xreal_0\ np_4) \wedge (m2_subset_1\ np_4\ k1_numbers\ k5_numbers)) \wedge \\ & ((m1_subset_1\ np_4\ k5_numbers) \wedge (m1_subset_1\ np_4\ k1_numbers)) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & ((v2_xreal_0\ np_2) \wedge (m2_subset_1\ np_2\ k1_numbers\ k5_numbers)) \wedge \\ & ((m1_subset_1\ np_2\ k5_numbers) \wedge (m1_subset_1\ np_2\ k1_numbers)) \end{aligned} \tag{3}$$

Assume the following.

$$k5_numbers = k4_ordinal1 \tag{4}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((m1_subset_1\ X0\ k1_numbers) \wedge (m1_subset_1 \\ & X1\ k1_numbers)) \Rightarrow (k4_power\ X0\ X1 = k3_power\ X0\ X1) \end{aligned} \tag{5}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((m1_subset_1\ X0\ k5_numbers) \wedge (m1_subset_1 \\ & X1\ k5_numbers)) \Rightarrow (k13_newton\ X0\ X1 = k1_newton\ X0\ X1) \end{aligned} \tag{6}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((v1_xreal_0\ X0) \wedge (v7_ordinal1\ X1)) \Rightarrow (k3_power \\ & X0\ X1 = k1_newton\ X0\ X1) \end{aligned} \tag{7}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k4_ordinal1) \Rightarrow (v7_ordinal1 X0) \quad (8)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xreal_0 X0) \quad (9)$$

Theorem 1 $k13_newton \ np_2 \ np_4 = np_16$.