

l87_pepin (TMcddTWZ-
foP5nTBfH2iKmWSHV3Vo43VohCR)

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 $np_257 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ 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 $k4_ordinal1 : \iota$ be given. Assume the following.

$$k4_pepin\ np_3 = np_257 \tag{1}$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (\forall X1.(v7_ordinal1\ X1) \Rightarrow ((\neg r1_xxreal_0\ X1\ X0) \Rightarrow (k4_nat_d\ X0\ X1 = X0))) \tag{2}$$

Assume the following.

$$((v2_xxreal_0\ np_81) \wedge (m2_subset_1\ np_81\ k1_numbers\ k5_numbers)) \wedge ((m1_subset_1\ np_81\ k5_numbers) \wedge (m1_subset_1\ np_81\ k1_numbers)) \tag{3}$$

Assume the following.

$$((v2_xxreal_0\ np_257) \wedge (m2_subset_1\ np_257\ k1_numbers\ k5_numbers)) \wedge ((m1_subset_1\ np_257\ k5_numbers) \wedge (m1_subset_1\ np_257\ k1_numbers)) \tag{4}$$

Assume the following.

$$\neg r1_xxreal_0\ np_257\ np_81 \tag{5}$$

Assume the following.

$$k5_numbers = k4_ordinal1 \tag{6}$$

Assume the following.

$$k13_newton\ np_3\ np_4 = np_81 \tag{7}$$

Assume the following.

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

Theorem 1 $k4_nat_d (k13_newton np_3 np_4) (k4_pepin np_3) = np_81$.