

l20_gr_cy_3

(TMF6sMBaXS35gFWCM4CPRXFJJoPruK4wa2a)

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 $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\exists X0.(m1_subset_1 X0 k1_numbers) \wedge ((\neg v1_xboole_0 X0) \wedge (v1_xxreal_0 X0) \wedge (v1_xcmplx_0 X0) \wedge (v1_xreal_0 X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow ((np_4 = k13_newton np_2 np_2) \wedge (k1_newton (k2_xcmplx_0 X0 X1) np_2 = k2_xcmplx_0 (k2_xcmplx_0 (k1_newton X0 np_2) (k3_xcmplx_0 (k3_xcmplx_0 np_2 X0) X1)) (k1_newton X1 np_2)))) \quad (2)$$

Theorem 1 $k13_newton np_2 np_2 = np_4$.