

t13_gr_cy_3 (TMQJyKcNusFfABgG- daV9iXp6YE58xvG1wzd)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_int_2 : \iota \Rightarrow o$ be given. Let $v1_gr_cy_3 : \iota \Rightarrow o$ be given. Let $v2_gr_cy_3 : \iota \Rightarrow o$ be given. Let $k7_group_1 : \iota \Rightarrow \iota$ be given. Let $k3_int_7 : \iota \Rightarrow \iota$ be given. Let $k4_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k1_euler_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v7_ordinal1 X0) \wedge (v1_int_2 X0)) \Rightarrow (k7_group_1 (k3_int_7 X0) = k6_xcmplx_0 X0 np_1) \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow ((v1_int_2 X0) \Rightarrow (k1_euler_1 X0 = k6_xcmplx_0 X0 np_1)) \quad (2)$$

Assume the following.

$$\forall X0.((v7_ordinal1 X0) \wedge ((v1_int_2 X0) \wedge (v1_gr_cy_3 X0))) \Rightarrow (\exists X1.((v7_ordinal1 X1) \wedge ((v1_int_2 X1) \wedge (v2_gr_cy_3 X1))) \wedge (k1_euler_1 X0 = k4_nat_1 np_2 X1)) \quad (3)$$

Theorem 1

$$\forall X0.((v7_ordinal1 X0) \wedge ((v1_int_2 X0) \wedge (v1_gr_cy_3 X0))) \Rightarrow (\exists X1.((v7_ordinal1 X1) \wedge ((v1_int_2 X1) \wedge (v2_gr_cy_3 X1))) \wedge (k7_group_1 (k3_int_7 X0) = k4_nat_1 np_2 X1))$$