

t21_nat_d (TMaWDgjUrNWk- vape7uumeC6WrAWGzW5tnXE)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k4_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\forall X2. \\ & (v7_ordinal1 X2) \Rightarrow ((k4_nat_d X0 X1 = k6_numbers) \Rightarrow (k4_nat_d (k2_xcmplx_0 \\ & X0 X2) X1 = k4_nat_d X2 X1)))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (k4_nat_d (k3_xcmplx_0 X0 X1) X0 = k6_numbers)) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((v7_ordinal1 X0) \wedge (v7_ordinal1 X1)) \Rightarrow (v7_ordinal1 (k3_xcmplx_0 X0 X1)) \tag{3}$$

Theorem 1

$$\begin{aligned} & \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\forall X2. \\ & (v7_ordinal1 X2) \Rightarrow (k4_nat_d X0 X1 = k4_nat_d (k2_xcmplx_0 (k3_xcmplx_0 \\ & X1 X2) X0) X1))) \end{aligned}$$