

t4_idea_1
(TMHAlEijG4PzR7suufuyvcU6MCz49z3AoUJ)

October 27, 2020

Let $m1_subset.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $r1_xxreal.0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_xcmplx.0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xreal.0 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k2_xcmplx.0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1_xreal.0 X0) \Rightarrow (\forall X1.(v1_xreal.0 X1) \Rightarrow (\forall X2. \\ & (v1_xreal.0 X2) \Rightarrow ((r1_xxreal.0 (k6_xcmplx.0 X0 X1) X2) \Rightarrow (r1_xxreal.0 \\ & (k6_xcmplx.0 X0 X2) X1)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\forall X2. \\ & (v7_ordinal1 X2) \Rightarrow ((r1_xxreal.0 X0 X1) \Rightarrow (r1_xxreal.0 X0 (k2_xcmplx.0 \\ & X1 X2)))) \end{aligned} \tag{2}$$

Assume the following.

$$k5_numbers = k4_ordinal1 \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0.(v1_xreal.0 X0) \Rightarrow (\forall X1.(v1_xreal.0 X1) \Rightarrow (\forall X2. \\ & (v1_xreal.0 X2) \Rightarrow ((r1_xxreal.0 X0 (k2_xcmplx.0 X1 X2)) \Rightarrow (r1_xxreal.0 \\ & (k6_xcmplx.0 X0 X1) X2)))) \end{aligned} \tag{4}$$

Assume the following.

$$\forall X0.(m1_subset.1 X0 k4_ordinal1) \Rightarrow (v7_ordinal1 X0) \tag{5}$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (v1_xreal.0 X0) \tag{6}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset.1 X0 k5_numbers) \Rightarrow (\forall X1.(m1_subset.1 \\ & X1 k5_numbers) \Rightarrow (\forall X2.(m1_subset.1 X2 k5_numbers) \Rightarrow ((r1_xxreal.0 \\ & X1 X2) \Rightarrow (r1_xxreal.0 (k6_xcmplx.0 X1 X0) X2)))) \end{aligned}$$