

t60_int_1
(TMFXpfUh21aqxdH83qiBeQ89jgMnCC5j9k5)

October 27, 2020

Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $r2_int_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow (\forall X2. \\ & (v1_int_1 X2) \Rightarrow (\forall X3.(v1_int_1 X3) \Rightarrow (\forall X4.(v1_int_1 \\ & X4) \Rightarrow (((k3_xcmplx_0 X0 X1 = X2) \wedge (r2_int_1 X3 X4 X2)) \Rightarrow (r2_int_1 X3 \\ & X4 X0)))))) \end{aligned} \tag{1}$$

Assume the following.

$$m1_subset_1 k1_xboole_0 k4_ordinal1 \tag{2}$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow ((r2_int_1 X0 k6_numbers X0) \wedge (r2_int_1 k6_numbers X0 X0)) \tag{3}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.((v1_int_1 X0) \wedge (v1_int_1 X1)) \Rightarrow (v1_int_1 (k3_xcmplx_0 X0 X1)) \tag{5}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k4_ordinal1) \Rightarrow (v7_ordinal1 X0) \tag{6}$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (v1_int_1 X0) \tag{7}$$

Theorem 1

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow (r2_int_1 (k3_xcmplx_0 X0 X1) k6_numbers X0))$$