

t20_int_6 (TMEgSYfos-
mUXp9Kpy69CWgCjwMDWm2fjLQY)

October 27, 2020

Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $r1_int_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_int_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_int_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_int_2 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((r1_int_2 X0 X1) \Rightarrow (k2_int_2 X0 X1 = k1_int_2 (k3_xcmplx_0 X0 X1)))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow ((r1_int_1 (k1_int_2 X0) X0) \wedge (r1_int_1 X0 (k1_int_2 X0))) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((v1_int_1 X0) \wedge (v1_int_1 X1)) \Rightarrow (v1_int_1 (k3_xcmplx_0 X0 X1)) \quad (3)$$

Theorem 1

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((r1_int_2 X0 X1) \Rightarrow (r1_int_1 (k3_xcmplx_0 X0 X1) (k2_int_2 X0 X1))))$$