

t13_int_6

(TMP2W4NcGP3y84cGg7mHU2GTfKnV3vKaw14)

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

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((r1_int_1 (k1_int_2 X0) X1) \Leftrightarrow (r1_int_1 X0 X1))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((v1_int_1 X0) \wedge (v1_int_1 X1)) \Rightarrow (r1_int_1 X0 X0) \quad (2)$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((r1_int_1 X0 X1) \Leftrightarrow (r1_int_1 X0 (k1_int_2 X1)))) \quad (3)$$

Theorem 1

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