

l12_ringcat1

(TMJJPJ1t222QfWaARc5eTbJZaYVnUnZNSjR3)

October 27, 2020

Let $v3_ringcat1 : \iota \Rightarrow o$ be given. Let $l1_ringcat1 : \iota \Rightarrow o$ be given. Let $v1_ringcat1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u3_ringcat1 : \iota \Rightarrow \iota$ be given. Let $u1_ringcat1 : \iota \Rightarrow \iota$ be given. Let $u2_ringcat1 : \iota \Rightarrow \iota$ be given. Let $k3_ringcat1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(l1_ringcat1 X0) \Rightarrow ((v3_ringcat1 X0) \Leftrightarrow (v1_ringcat1 (k3_ringcat1 X0) (u1_ringcat1 X0) (u2_ringcat1 X0))) \quad (1)$$

Assume the following.

$$\forall X0.(l1_ringcat1 X0) \Rightarrow (k3_ringcat1 X0 = u3_ringcat1 X0) \quad (2)$$

Theorem 1

$$\forall X0.((v3_ringcat1 X0) \wedge (l1_ringcat1 X0)) \Rightarrow (v1_ringcat1 (u3_ringcat1 X0) (u1_ringcat1 X0) (u2_ringcat1 X0))$$