

t6_cgames_1
(TMF1VK4YMrKauMnHNtf3FVgc9t4VjyGieRE)

October 27, 2020

Let $v2_cgames_1 : \iota \Rightarrow o$ be given. Let $k3_cgames_1 : \iota$ be given. Let $k8_cgames_1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_cgames_1 : \iota \Rightarrow o$ be given. Let $l1_cgames_1 : \iota \Rightarrow o$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_cgames_1 : \iota$ be given. Let $g1_cgames_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_cgames_1 : \iota \Rightarrow \iota$ be given. Let $k7_cgames_1 : \iota \Rightarrow \iota$ be given. Let $u2_cgames_1 : \iota \Rightarrow \iota$ be given. Let $u1_cgames_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$\forall X0.(v2_cgames_1 X0) \Rightarrow ((v1_cgames_1 X0) \wedge (l1_cgames_1 X0)) \quad (2)$$

Assume the following.

$$\forall X0.k2_xboole_0 X0 k1_xboole_0 = X0 \quad (3)$$

Assume the following.

$$k3_cgames_1 = k1_cgames_1 \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(g1_cgames_1 X0 X1 = g1_cgames_1 X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3)) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.(\neg v1_xboole_0 X0) \Rightarrow (\neg v1_xboole_0 (k2_xboole_0 X1 X0)) \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.(\neg v1_xboole_0 X0) \Rightarrow (\neg v1_xboole_0 (k2_xboole_0 X0 X1)) \quad (7)$$

Assume the following.

$$v1_xboole_0 \ k1_xboole_0 \quad (8)$$

Assume the following.

$$\forall X0.(v2_cgames_1 \ X0) \Rightarrow (k8_cgames_1 \ X0 = k2_xboole_0 \ (k6_cgames_1 \ X0) \ (k7_cgames_1 \ X0)) \quad (9)$$

Assume the following.

$$\forall X0.(v2_cgames_1 \ X0) \Rightarrow (\forall X1.(X1 = k7_cgames_1 \ X0) \Leftrightarrow (\exists X2.(l1_cgames_1 \ X2) \wedge ((X0 = X2) \wedge (X1 = u2_cgames_1 \ X2)))) \quad (10)$$

Assume the following.

$$\forall X0.(v2_cgames_1 \ X0) \Rightarrow (\forall X1.(X1 = k6_cgames_1 \ X0) \Leftrightarrow (\exists X2.(l1_cgames_1 \ X2) \wedge ((X0 = X2) \wedge (X1 = u1_cgames_1 \ X2)))) \quad (11)$$

Assume the following.

$$k1_cgames_1 = g1_cgames_1 \ k1_xboole_0 \ k1_xboole_0 \quad (12)$$

Assume the following.

$$\forall X0.(l1_cgames_1 \ X0) \Rightarrow ((v1_cgames_1 \ X0) \Rightarrow (X0 = g1_cgames_1 \ (u1_cgames_1 \ X0) \ (u2_cgames_1 \ X0))) \quad (13)$$

Theorem 1

$$\forall X0.(v2_cgames_1 \ X0) \Rightarrow ((X0 = k3_cgames_1) \Leftrightarrow (k8_cgames_1 \ X0 = k1_xboole_0))$$