# t7_cgames_1 (TMbyPMAXZfR-mzp9mZJjQH7pWsJxpThoEa8S)

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Let $k6\_cgames\_1 : \iota \Rightarrow \iota$ be given. Let $k4\_cgames\_1 : \iota$ be given. Let $k3\_cgames\_1 : \iota$ be given. Let $v2\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k5\_numbers : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $g1\_cgames\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_cgames\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_cgames\_1 : \iota \Rightarrow o$ be given. Let $l1\_cgames\_1 : \iota \Rightarrow o$ be given. Let $v2\_cgames\_1 : \iota \Rightarrow o$ be given. Let $u1\_cgames\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $u2\_cgames\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$((v2\_xxreal\_0\ np\_\_1) \wedge (m2\_subset\_1\ np\_\_1\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_1\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_1\ k1\_numbers)) \tag{1}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(g1\_cgames\_1\ X0\ X1 = g1\_cgames\_1\ X2\ X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3)) \tag{3}$$

Assume the following.

$$m1\_subset\_1\ k4\_cgames\_1\ (k2\_cgames\_1\ np\_\_1) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(v1\_cgames\_1\ (g1\_cgames\_1\ X0\ X1)) \wedge (l1\_cgames\_1\ (g1\_cgames\_1\ X0\ X1)) \tag{5}$$

Assume the following.

$$\forall X0.(v2\_cgames\_1\ X0) \Rightarrow (\forall X1.(X1 = k6\_cgames\_1\ X0) \Leftrightarrow (\exists X2.(l1\_cgames\_1\ X2) \wedge ((X0 = X2) \wedge (X1 = u1\_cgames\_1\ X2)))) \tag{6}$$

Assume the following.

$$k4\_cgames\_1 = g1\_cgames\_1\ (k1\_tarski\ k3\_cgames\_1)\ k1\_xboole\_0 \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1\_tarski\ X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \tag{8}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v7\_ordinal1\ X0) \tag{9}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (v3\_ordinal1\ X0) \tag{10}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k2\_cgames\_1\ X0)) \Rightarrow (v2\_cgames\_1\ X1)) \tag{11}$$

Assume the following.

$$\forall X0.(l1\_cgames\_1\ X0) \Rightarrow ((v1\_cgames\_1\ X0) \Rightarrow (X0 = g1\_cgames\_1\ (u1\_cgames\_1\ X0)\ (u2\_cgames\_1\ X0))) \tag{12}$$

**Theorem 1** $\forall X0.(X0 \in k6\_cgames\_1\ k4\_cgames\_1) \Leftrightarrow (X0 = k3\_cgames\_1)$.