

t24\_cgames\_1  
(TMGN4ynGPY3deh5TR1T6bDvb37X2S9nZ73i)

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Let  $v2\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $k10\_cgames\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v1\_finseq\_1 : \iota \Rightarrow o$  be given. Let  $v3\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $v4\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k3\_finseq\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.(v2\_cgames\_1 X0) \Rightarrow (\exists X1.((v1\_relat\_1 X1) \wedge (( \\ v1\_funct\_1 X1) \wedge ((\neg v1\_xboole\_0 X1) \wedge ((v1\_finseq\_1 X1) \wedge ((v3\_cgames\_1 \\ X1) \wedge (v4\_cgames\_1 X1)))))) \wedge ((k1\_funct\_1 X1 np\_1 = X0) \wedge (k1\_funct\_1 \\ X1 (k3\_finseq\_1 X1) = X0))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(v2\_cgames\_1 X0) \Rightarrow (\forall X1.(X1 = k10\_cgames\_1 X0) \Leftrightarrow \\ (\forall X2.(X2 \in X1) \Leftrightarrow (\exists X3.((v1\_relat\_1 X3) \wedge ((v1\_funct\_1 \\ X3) \wedge ((\neg v1\_xboole\_0 X3) \wedge ((v1\_finseq\_1 X3) \wedge ((v3\_cgames\_1 X3) \wedge \\ (v4\_cgames\_1 X3)))))) \wedge ((k1\_funct\_1 X3 np\_1 = X2) \wedge (k1\_funct\_1 \\ X3 (k3\_finseq\_1 X3) = X0)))))) \end{aligned} \quad (2)$$

**Theorem 1**  $\forall X0.(v2\_cgames\_1 X0) \Rightarrow (X0 \in k10\_cgames\_1 X0)$ .