

t4\_cgames\_1  
(TMbx19QBug72yer3SP8XoKXfqgdgLp2Xhok)

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Let  $v2\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $v1\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $l1\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k2\_cgames\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_cgames\_1 : \iota \Rightarrow \iota$  be given. Let  $u2\_cgames\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (v3\_ordinal1\ X1) \Rightarrow ((X0 \in k2\_cgames\_1\ X1) \Leftrightarrow \\ & (\exists X2. ((v1\_cgames\_1\ X2) \wedge (l1\_cgames\_1\ X2)) \wedge ((X0 = X2) \wedge \\ & \forall X3. \neg (X3 \in k2\_xboole\_0\ (u1\_cgames\_1\ X2)\ (u2\_cgames\_1\ X2)) \wedge \\ & (\forall X4. (v3\_ordinal1\ X4) \Rightarrow (\neg (X4 \in X1) \wedge (X3 \in k2\_cgames\_1\ X4)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. (v2\_cgames\_1\ X0) \Leftrightarrow (\exists X1. (v3\_ordinal1\ X1) \wedge (X0 \in k2\_cgames\_1\ X1)) \quad (2)$$

**Theorem 1**  $\forall X0. (v2\_cgames\_1\ X0) \Rightarrow ((v1\_cgames\_1\ X0) \wedge (l1\_cgames\_1\ X0)).$