

# t3\_cgames\_1 (TMZCThRnzoAYKNadTacC- cXQdEkRP37JQWpD)

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Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  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  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  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.

$$\begin{aligned} & \forall X0. \forall X1. ((v3\_ordinal1 X0) \wedge (v3\_ordinal1 X1)) \Rightarrow ( \\ & (r1\_ordinal1 X0 X1) \Leftrightarrow (r1\_tarski X0 X1)) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow \\ & (X2 \in X1)) \end{aligned} \quad (3)$$

## Theorem 1

$$\begin{aligned} & \forall X0. (v3\_ordinal1 X0) \Rightarrow (\forall X1. (v3\_ordinal1 X1) \Rightarrow (( \\ & r1\_ordinal1 X0 X1) \Rightarrow (r1\_tarski (k2\_cgames\_1 X0) (k2\_cgames\_1 X1)))) \end{aligned}$$