

t18\_cgames\_1 (TMbWDzDTPad-  
WRB97UPQfwo6fTrE25Z7waWc)

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Let  $v2\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $k6\_cgames\_1 : \iota \Rightarrow \iota$  be given. Let  $k7\_cgames\_1 : \iota \Rightarrow \iota$  be given. Let  $l1\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $v1\_cgames\_1 : \iota \Rightarrow o$  be given. Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k2\_cgames\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

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

Assume the following.

$$\forall X0.\forall X1.(v3\_ordinal1 X1) \Rightarrow (\forall X2.(v2\_cgames\_1 X2) \Rightarrow ((X2 \in k2\_cgames\_1 X1) \Rightarrow (((\neg X0 \in k6\_cgames\_1 X2) \wedge (\neg X0 \in k7\_cgames\_1 X2)) \vee (X0 \in k2\_cgames\_1 X1)))) \quad (2)$$

Assume the following.

$$\forall X0.(v2\_cgames\_1 X0) \Leftrightarrow (\exists X1.(v3\_ordinal1 X1) \wedge (X0 \in k2\_cgames\_1 X1)) \quad (3)$$

**Theorem 1**

$$\forall X0.\forall X1.(v2\_cgames\_1 X1) \Rightarrow (((X0 \in k6\_cgames\_1 X1) \vee (X0 \in k7\_cgames\_1 X1)) \Rightarrow ((v2\_cgames\_1 X0) \wedge (l1\_cgames\_1 X0)))$$