t42_cgames_1 (TMNnaE8BQ9T9fediWN8YzXvKfUi7Sh5fv3r)

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Let $v2\_cgames\_1 : \iota \Rightarrow o$ be given. Let $v7\_cgames\_1 : \iota \Rightarrow o$ be given. Let $v9\_cgames\_1 : \iota \Rightarrow o$ be given. Let $v10\_cgames\_1 : \iota \Rightarrow o$ be given. Let $v8\_cgames\_1 : \iota \Rightarrow o$ be given. Let $v6\_cgames\_1 : \iota \Rightarrow o$ be given. Let $v5\_cgames\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((v2\_cgames\_1\ X0) \wedge ((v6\_cgames\_1\ X0) \wedge (\neg v7\_cgames\_1\ X0))) \Rightarrow ((v2\_cgames\_1\ X0) \wedge (v10\_cgames\_1\ X0)) \tag{1}$$

Assume the following.

$$\forall X0.((v2\_cgames\_1\ X0) \wedge ((\neg v5\_cgames\_1\ X0) \wedge (\neg v6\_cgames\_1\ X0))) \Rightarrow ((v2\_cgames\_1\ X0) \wedge (v8\_cgames\_1\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.((v2\_cgames\_1\ X0) \wedge ((v5\_cgames\_1\ X0) \wedge (\neg v7\_cgames\_1\ X0))) \Rightarrow ((v2\_cgames\_1\ X0) \wedge (v9\_cgames\_1\ X0)) \tag{3}$$

Theorem 1

$$\forall X0.(v2\_cgames\_1\ X0) \Rightarrow (\neg(\neg v7\_cgames\_1\ X0) \wedge ((\neg v9\_cgames\_1\ X0) \wedge ((\neg v10\_cgames\_1\ X0) \wedge (\neg v8\_cgames\_1\ X0))))$$