

t21\_gr\_cy\_2  
(TMbjsi31QQS8Migriq79Y4CmZPbZGbxL8WR)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v8\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v15\_algstr\_0 : \iota \Rightarrow o$  be given. Let  $v2\_group\_1 : \iota \Rightarrow o$  be given. Let  $v3\_group\_1 : \iota \Rightarrow o$  be given. Let  $l3\_algstr\_0 : \iota \Rightarrow o$  be given. Let  $k7\_group\_1 : \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $v1\_gr\_cy\_1 : \iota \Rightarrow o$  be given. Let  $v1\_int\_2 : \iota \Rightarrow o$  be given. Assume the following.

$$v1\_int\_2 \ np\_2 \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0. (&(\neg v2\_struct\_0 \ X0) \wedge ((v8\_struct\_0 \ X0) \wedge ((v15\_algstr\_0 \\ X0) \wedge ((v2\_group\_1 \ X0) \wedge ((v3\_group\_1 \ X0) \wedge (l3\_algstr\_0 \ X0)))))) \Rightarrow & \tag{2} \\ ((v1\_int\_2 \ (k7\_group\_1 \ X0)) \Rightarrow ((\neg v2\_struct\_0 \ X0) \wedge ((v2\_group\_1 \\ X0) \wedge ((v3\_group\_1 \ X0) \wedge ((v1\_gr\_cy\_1 \ X0) \wedge (l3\_algstr\_0 \ X0)))))) \end{aligned}$$

**Theorem 1**

$$\begin{aligned} \forall X0. (&(\neg v2\_struct\_0 \ X0) \wedge ((v8\_struct\_0 \ X0) \wedge ((v15\_algstr\_0 \\ X0) \wedge ((v2\_group\_1 \ X0) \wedge ((v3\_group\_1 \ X0) \wedge (l3\_algstr\_0 \ X0)))))) \Rightarrow & \\ ((k7\_group\_1 \ X0 = np\_2) \Rightarrow ((\neg v2\_struct\_0 \ X0) \wedge ((v2\_group\_1 \ X0) \wedge & \\ ((v3\_group\_1 \ X0) \wedge ((v1\_gr\_cy\_1 \ X0) \wedge (l3\_algstr\_0 \ X0)))))) \end{aligned}$$