

t17\_grnilp\_1  
(TMHiq2wRVB44GV1Uox4uyzXYLGZkuyVWn93)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  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  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_grnilp\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_group\_3 : \iota \Rightarrow \iota$  be given. Let  $v15\_algstr\_0 : \iota \Rightarrow o$  be given. Let  $m1\_group\_2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_group\_3 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge ((v2\_group\_1 X0) \wedge ((v3\_group\_1 X0) \wedge (l3\_algstr\_0 X0)))) \Rightarrow (\forall X1. (X1 = k1\_group\_3 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((v15\_algstr\_0 X2) \wedge (m1\_group\_2 X2 X0)))) \quad (2)$$

Assume the following.

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge ((v2\_group\_1 X0) \wedge ((v3\_group\_1 X0) \wedge (l3\_algstr\_0 X0)))) \Rightarrow (\forall X1. (X1 = k2\_grnilp\_1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((v15\_algstr\_0 X2) \wedge ((v1\_group\_3 X2 X0) \wedge (m1\_group\_2 X2 X0))))) \quad (3)$$

**Theorem 1**

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge ((v2\_group\_1 X0) \wedge ((v3\_group\_1 X0) \wedge (l3\_algstr\_0 X0)))) \Rightarrow (r1\_tarski (k2\_grnilp\_1 X0) (k1\_group\_3 X0))$$