

# t75\_group\_6 (TM- GoN7k8F1px6gpBdRzb5GrQmSwGzFhvxCe)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  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  $r2\_group\_6 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v8\_struct\_0 : \iota \Rightarrow o$  be given. Let  $k7\_struct\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0. ((\neg v2\_struct\_0 X0) \wedge ((v15\_algstr\_0 X0) \wedge ((v2\_group\_1 \\ X0) \wedge ((v3\_group\_1 X0) \wedge (l3\_algstr\_0 X0)))))) \Rightarrow (\forall X1. ((\neg v2\_struct\_0 \\ X1) \wedge ((v15\_algstr\_0 X1) \wedge ((v2\_group\_1 X1) \wedge ((v3\_group\_1 X1) \wedge ( \\ l3\_algstr\_0 X1)))))) \Rightarrow ((r2\_group\_6 X0 X1) \Rightarrow (k7\_struct\_0 X0 = k7\_struct\_0 \\ X1))) \end{aligned} \tag{1}$$

## Theorem 1

$$\begin{aligned} \forall X0. ((\neg v2\_struct\_0 X0) \wedge ((v15\_algstr\_0 X0) \wedge ((v2\_group\_1 \\ X0) \wedge ((v3\_group\_1 X0) \wedge (l3\_algstr\_0 X0)))))) \Rightarrow (\forall X1. ((\neg v2\_struct\_0 \\ X1) \wedge ((v15\_algstr\_0 X1) \wedge ((v2\_group\_1 X1) \wedge ((v3\_group\_1 X1) \wedge ( \\ l3\_algstr\_0 X1)))))) \Rightarrow (((r2\_group\_6 X0 X1) \wedge (v8\_struct\_0 X0)) \Rightarrow \\ (k7\_struct\_0 X0 = k7\_struct\_0 X1))) \end{aligned}$$