t13_int_3 (TMXxWVvTak4T1qebYCDNn5piVjezvcBJnF6)

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Let $k5\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_int\_3 : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k1\_group\_1 : \iota \Rightarrow \iota$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v4\_vectsp\_1 : \iota \Rightarrow o$ be given. Let $l4\_algstr\_0 : \iota \Rightarrow o$ be given. Let $v36\_algstr\_0 : \iota \Rightarrow o$ be given. Let $l6\_algstr\_0 : \iota \Rightarrow o$ be given. Let $l2\_algstr\_0 : \iota \Rightarrow o$ be given. Let $l5\_algstr\_0 : \iota \Rightarrow o$ be given. Let $l4\_struct\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$k1\_group\_1\ k1\_int\_3 = np\_\_1 \tag{1}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge ((v4\_vectsp\_1\ X0) \wedge (l4\_algstr\_0\ X0))) \Rightarrow (k1\_group\_1\ X0 = k5\_struct\_0\ X0) \tag{2}$$

Assume the following.

$$v4\_vectsp\_1\ k1\_int\_3 \tag{3}$$

Assume the following.

$$(\neg v2\_struct\_0\ k1\_int\_3) \wedge (v36\_algstr\_0\ k1\_int\_3) \tag{4}$$

Assume the following.

$$\forall X0.(l6\_algstr\_0\ X0) \Rightarrow ((l2\_algstr\_0\ X0) \wedge (l5\_algstr\_0\ X0)) \tag{5}$$

Assume the following.

$$\forall X0.(l5\_algstr\_0\ X0) \Rightarrow ((l4\_algstr\_0\ X0) \wedge (l4\_struct\_0\ X0)) \tag{6}$$

Assume the following.

$$l6\_algstr\_0\ k1\_int\_3 \tag{7}$$

Theorem 1 $k5\_struct\_0\ k1\_int\_3 = np\_\_1$.