

t13\_polynom5  
(TMdSFY4UH6aMCQSPCughNtGRziiPSXTN95J)

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Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_complfld : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_polynom5 : \iota \Rightarrow \iota$  be given. Let  $k8\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k12\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k17\_complex1 : \iota \Rightarrow \iota$  be given. Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $l1\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  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  $l2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $l1\_algstr\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 k1\_complfld)) \Rightarrow (k1\_polynom5 \\ (k12\_finseq\_1 (u1\_struct\_0 k1\_complfld) X0) = k12\_finseq\_1 k1\_numbers \\ (k17\_complex1 X0)) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.(m2\_finseq\_1 X0 (u1\_struct\_0 k1\_complfld)) \Rightarrow (\forall X1. \\ (m2\_finseq\_1 X1 (u1\_struct\_0 k1\_complfld)) \Rightarrow (k1\_polynom5 (k8\_finseq\_1 \\ (u1\_struct\_0 k1\_complfld) X0 X1) = k8\_finseq\_1 k1\_numbers (k1\_polynom5 \\ X0) (k1\_polynom5 X1))) \end{aligned} \tag{2}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0 X0) \wedge (l1\_struct\_0 X0)) \Rightarrow (\neg v1\_xboole\_0 \\ (u1\_struct\_0 X0)) \tag{3}$$

Assume the following.

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

Assume the following.

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

Assume the following.

$$\forall X0.(l2\_struct\_0 X0)\Rightarrow(l1\_struct\_0 X0) \quad (6)$$

Assume the following.

$$\forall X0.(l2\_algstr\_0 X0)\Rightarrow((l2\_struct\_0 X0)\wedge(l1\_algstr\_0 X0)) \quad (7)$$

Assume the following.

$$(v36\_algstr\_0 k1\_complfld)\wedge(l6\_algstr\_0 k1\_complfld) \quad (8)$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0 X0)\wedge(m1\_subset\_1 X1 X0))\Rightarrow \quad (9)$$

$$(m2\_finseq\_1 (k12\_finseq\_1 X0 X1) X0)$$

**Theorem 1**

$$\forall X0.(m2\_finseq\_1 X0 (u1\_struct\_0 k1\_complfld))\Rightarrow(\forall X1.$$

$$(m1\_subset\_1 X1 (u1\_struct\_0 k1\_complfld))\Rightarrow((k1\_polynom5 (k8\_finseq\_1$$

$$(u1\_struct\_0 k1\_complfld) X0 (k12\_finseq\_1 (u1\_struct\_0 k1\_complfld)$$

$$X1)) = k8\_finseq\_1 k1\_numbers (k1\_polynom5 X0) (k12\_finseq\_1 k1\_numbers$$

$$(k17\_complex1 X1)))\wedge(k1\_polynom5 (k8\_finseq\_1 (u1\_struct\_0$$

$$k1\_complfld) (k12\_finseq\_1 (u1\_struct\_0 k1\_complfld) X1) X0) =$$

$$k8\_finseq\_1 k1\_numbers (k12\_finseq\_1 k1\_numbers (k17\_complex1$$

$$X1) (k1\_polynom5 X0))))$$