t8_polynom5 (TMG4RpJ79hBGGYenWVKFPk3NpA1sLw7ix2i)

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Let $k1\_polynom5 : \iota \Rightarrow \iota$ be given. Let $k6\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_complfld : \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_card\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_finseq\_1 : \iota \Rightarrow o$ be given. Let $k3\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $v4\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $v5\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $v1\_card\_1 : \iota \Rightarrow o$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k7\_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k17\_complex1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\neg(v1\_xboole\_0\ X0) \wedge ((X0 \neq X1) \wedge (v1\_xboole\_0\ X1)) \tag{1}$$

Assume the following.

$$k1\_card\_1\ k1\_xboole\_0 = k1\_xboole\_0 \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(m2\_finseq\_1\ X1\ X0) \Leftrightarrow (m1\_finseq\_1\ X1\ X0) \tag{3}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_finseq\_1\ X0))) \Rightarrow (k3\_finseq\_1\ X0 = k1\_card\_1\ X0) \tag{4}$$

Assume the following.

$$\forall X0.\exists X1.(m1\_finseq\_1\ X1\ X0) \wedge ((v1\_relat\_1\ X1) \wedge ((v4\_relat\_1\ X1\ k5\_numbers) \wedge ((v5\_relat\_1\ X1\ X0) \wedge ((v1\_funct\_1\ X1) \wedge ((v1\_xboole\_0\ X1) \wedge ((v1\_finset\_1\ X1) \wedge (v1\_finseq\_1\ X1))))))) \tag{5}$$

Assume the following.

$$\forall X0.v1\_xboole\_0\ (k6\_finseq\_1\ X0) \tag{6}$$

Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow ((\neg v1\_xboole\_0\ (k1\_card\_1\ X0)) \wedge (v1\_card\_1\ (k1\_card\_1\ X0))) \tag{7}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_finseq\_1\ X1\ X0) \Rightarrow ((v1\_relat\_1\ X1) \wedge ((v1\_funct\_1\ X1) \wedge (v1\_finseq\_1\ X1))) \tag{9}$$

Assume the following.

$$\forall X0.(m1\_finseq\_1\ X0\ (u1\_struct\_0\ k1\_complfld)) \Rightarrow (m2\_finseq\_1\ (k1\_polynom5\ X0)\ k1\_numbers) \tag{10}$$

Assume the following.

$$\forall X0.(m2\_finseq\_1\ X0\ (u1\_struct\_0\ k1\_complfld)) \Rightarrow (\forall X1.\ (m2\_finseq\_1\ X1\ k1\_numbers) \Rightarrow ((X1 = k1\_polynom5\ X0) \Leftrightarrow ((k3\_finseq\_1\ X1 = k3\_finseq\_1\ X0) \wedge (\forall X2.(m2\_subset\_1\ X2\ k1\_numbers\ k5\_numbers) \Rightarrow ((X2 \in k4\_finseq\_1\ X0) \Rightarrow (k7\_partfun1\ k1\_numbers\ X1\ X2 = k17\_complex1\ (k7\_partfun1\ (u1\_struct\_0\ k1\_complfld)\ X0\ X2))))))) \tag{11}$$

Theorem 1

$$k1\_polynom5\ (k6\_finseq\_1\ (u1\_struct\_0\ k1\_complfld)) = k6\_finseq\_1\ k1\_numbers$$