t28_polyform (TMWL2M9WchmFd4NmsvPLQ1GxJt545s5icBS)

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Let $v2\_polyform : \iota \Rightarrow o$ be given. Let $v3\_polyform : \iota \Rightarrow o$ be given. Let $v4\_polyform : \iota \Rightarrow o$ be given. Let $l1\_polyform : \iota \Rightarrow o$ be given. Let $v1\_int\_1 : \iota \Rightarrow o$ be given. Let $k3\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k10\_polyform : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k11\_polyform : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_finseq\_1 : \iota \Rightarrow \iota$ 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 $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k5\_numbers : \iota$ be given. Assume the following.

$$\forall X0.((v2\_polyform\ X0) \wedge ((v3\_polyform\ X0) \wedge ((v4\_polyform\ X0) \wedge (l1\_polyform\ X0)))) \Rightarrow (\forall X1.(v1\_int\_1\ X1) \Rightarrow (k4\_finseq\_1\ (k10\_polyform\ X0\ X1) = k2\_finseq\_1\ (k11\_polyform\ X0\ X1))) \tag{1}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_finseq\_1\ X0))) \Rightarrow (k4\_finseq\_1\ X0 = k9\_xtuple\_0\ X0) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(((v2\_polyform\ X0) \wedge ((v3\_polyform\ X0) \wedge ((v4\_polyform\ X0) \wedge (l1\_polyform\ X0)))) \wedge (v1\_int\_1\ X1)) \Rightarrow (m2\_subset\_1\ (k11\_polyform\ X0\ X1)\ k1\_numbers\ k5\_numbers) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(((v2\_polyform\ X0) \wedge ((v3\_polyform\ X0) \wedge ((v4\_polyform\ X0) \wedge (l1\_polyform\ X0)))) \wedge (v1\_int\_1\ X1)) \Rightarrow ((v1\_relat\_1\ (k10\_polyform\ X0\ X1)) \wedge ((v1\_funct\_1\ (k10\_polyform\ X0\ X1)) \wedge (v1\_finseq\_1\ (k10\_polyform\ X0\ X1)))) \tag{4}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_finseq\_1\ X0))) \Rightarrow (\forall X1.(m2\_subset\_1\ X1\ k1\_numbers\ k5\_numbers) \Rightarrow ((X1 = k3\_finseq\_1\ X0) \Leftrightarrow (k2\_finseq\_1\ X1 = k9\_xtuple\_0\ X0))) \tag{5}$$

Theorem 1

$$\forall X0.((v2\_polyform\ X0)\wedge((v3\_polyform\ X0)\wedge((v4\_polyform\ X0)\wedge(l1\_polyform\ X0))))\Rightarrow(\forall X1.(v1\_int\_1\ X1)\Rightarrow(k3\_finseq\_1\ (k10\_polyform\ X0\ X1) = k11\_polyform\ X0\ X1))$$