

# t1\_polynom4 (TMRmPWKCZpnGaD- MJWyZr5mrDBYS4D1t2vgf)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $np\_1 : \iota$  be given. Let  $k3\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k7\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k17\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_nat\_d : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k9\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_rfinseq : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k4\_ordinal1 : \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m2\_finseq\_1 X1 X0) \Rightarrow \\ & (\forall X2. (v7\_ordinal1 X2) \Rightarrow (((r1\_xxreal\_0 np\_1 X2) \wedge (r1\_xxreal\_0 \\ & X2 (k3\_finseq\_1 X1))) \Rightarrow (X1 = k7\_finseq\_1 (k7\_finseq\_1 (k17\_finseq\_1 \\ & X0 (k7\_nat\_d X2 np\_1) X1) (k9\_finseq\_1 (k1\_funct\_1 X1 X2))) (k2\_rfinseq \\ & X0 X2 X1)))))) \end{aligned} \tag{1}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{2}$$

Assume the following.

$$\forall X0. (m1\_subset\_1 X0 k4\_ordinal1) \Rightarrow (v7\_ordinal1 X0) \tag{3}$$

## Theorem 1

$$\begin{aligned} & \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m2\_finseq\_1 X1 X0) \Rightarrow \\ & (\forall X2. (m1\_subset\_1 X2 k5\_numbers) \Rightarrow (((r1\_xxreal\_0 np\_1 \\ & X2) \wedge (r1\_xxreal\_0 X2 (k3\_finseq\_1 X1))) \Rightarrow (X1 = k7\_finseq\_1 (k7\_finseq\_1 \\ & (k17\_finseq\_1 X0 (k7\_nat\_d X2 np\_1) X1) (k9\_finseq\_1 (k1\_funct\_1 \\ & X1 X2))) (k2\_rfinseq X0 X2 X1)))))) \end{aligned}$$