t2_polyeq_5 (TMM-MzGzwV8B2T33ZdBSN82TN35xKa7sV18J)

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Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_3 : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_numbers : \iota$ be given. Let $k5\_binop\_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_polyeq\_3 : \iota \Rightarrow \iota$ be given. Let $k3\_polyeq\_3 : \iota \Rightarrow \iota$ be given. Let $k3\_square\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers) \Rightarrow ((k1\_newton\ X0\ np\_\_3 = k5\_binop\_2\ (k5\_binop\_2\ X0\ X0)\ X0) \wedge ((k1\_newton\ X0\ np\_\_3 = k5\_binop\_2\ (k1\_polyeq\_3\ X0)\ X0) \wedge (k1\_newton\ X0\ np\_\_3 = k3\_polyeq\_3\ X0))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1\ X0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0) \wedge (v1\_xcmplx\_0\ X1)) \Rightarrow (k5\_binop\_2\ X0\ X1 = k3\_xcmplx\_0\ X0\ X1) \tag{3}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (v1\_xcmplx\_0\ (k3\_square\_1\ X0)) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Leftrightarrow (X0 \in k2\_numbers) \tag{5}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (k3\_polyeq\_3\ X0 = k5\_binop\_2\ (k3\_square\_1\ X0)\ X0) \tag{6}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (k3\_square\_1\ X0 = k3\_xcmplx\_0\ X0\ X0) \tag{7}$$

Theorem 1

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (k3\_xcmplx\_0\ (k3\_xcmplx\_0\ X0\ X0)\ X0 = k1\_newton\ X0\ np\_\_3)$$