t41_square_1 (TMU4eU2qFmcBQBE4dYAUSPbPntx4i44ZeDV)

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Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k3\_square\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (\neg(k3\_xcmplx\_0\ X0\ X0 = np\_\_1) \wedge ((X0 \neq np\_\_1) \wedge (X0 \neq k4\_xcmplx\_0\ np\_\_1))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (k3\_square\_1\ X0 = k3\_xcmplx\_0\ X0\ X0) \tag{2}$$

Theorem 1

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (\neg(k3\_square\_1\ X0 = np\_\_1) \wedge ((X0 \neq np\_\_1) \wedge (X0 \neq k4\_xcmplx\_0\ np\_\_1)))$$