l29_xcmplx_1 (TMbnXecYXztDGrcbxNTC4L4WoUuB7gHAPxm)

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Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k6\_numbers : \iota$ be given. Let $k7\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k5\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (v1\_xcmplx\_0\ (k5\_xcmplx\_0\ X0)) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (k7\_xcmplx\_0\ X0\ X1 = k3\_xcmplx\_0\ X0\ (k5\_xcmplx\_0\ X1))) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow ((X1 = k5\_xcmplx\_0\ X0) \Leftrightarrow (k3\_xcmplx\_0\ X0\ X1 = np\_\_1))) \wedge ((X0 = k6\_numbers) \Rightarrow ((X1 = k5\_xcmplx\_0\ X0) \Leftrightarrow (X1 = k6\_numbers))))) \tag{3}$$

Theorem 1

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (k7\_xcmplx\_0\ X0\ X0 = np\_\_1))$$