t31_complex2 (TM-LQyNL7rTZy3TR4zNEx5emWnxZ6Gwfu95J)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_numbers : \iota$ be given. Let $k1\_complex2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_square\_1 : \iota \Rightarrow \iota$ be given. Let $k17\_complex1 : \iota \Rightarrow \iota$ be given. Let $k3\_complex1 : \iota \Rightarrow \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k15\_complex1 : \iota \Rightarrow \iota$ be given. Let $k7\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_complex1 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k8\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow ((k3\_complex1\ (k3\_xcmplx\_0\ X0\ (k15\_complex1\ X0)) = k7\_real\_1\ (k5\_square\_1\ (k3\_complex1\ X0))\ (k5\_square\_1\ (k4\_complex1\ X0))) \wedge (k4\_complex1\ (k3\_xcmplx\_0\ X0\ (k15\_complex1\ X0)) = k6\_numbers)) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (k5\_square\_1\ (k17\_complex1\ X0) = k7\_real\_1\ (k5\_square\_1\ (k3\_complex1\ X0))\ (k5\_square\_1\ (k4\_complex1\ X0))) \tag{2}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers) \Rightarrow ((k1\_complex2\ X0\ X0 = k7\_real\_1\ (k8\_real\_1\ (k3\_complex1\ X0)\ (k3\_complex1\ X0))\ (k8\_real\_1\ (k4\_complex1\ X0)\ (k4\_complex1\ X0))) \wedge (k1\_complex2\ X0\ X0 = k7\_real\_1\ (k5\_square\_1\ (k3\_complex1\ X0))\ (k5\_square\_1\ (k4\_complex1\ X0)))) \tag{3}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (k1\_complex2\ X0\ X1 = k3\_xcmplx\_0\ X0\ (k15\_complex1\ X1))) \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers) \Rightarrow (v1\_xcmplx\_0\ X0) \tag{5}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers) \Rightarrow ((k1\_complex2\ X0\ X0 = k5\_square\_1\ (k17\_complex1\ X0)) \wedge (k5\_square\_1\ (k17\_complex1\ X0) = k3\_complex1\ (k1\_complex2\ X0\ X0)))$$