t3_hermitan (TM-NyQqP2syQNsqLNpowY7W4k8KjLar8wPdt)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_numbers : \iota$ be given. Let $k17\_complex1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k3\_complex1 : \iota \Rightarrow \iota$ be given. Let $k9\_complex1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_complex1 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k6\_complex1 : \iota$ be given. Let $k5\_complex1 : \iota$ be given. Let $k8\_complex1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k13\_complex1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_real\_1 : \iota \Rightarrow \iota$ be given. Let $k7\_complex1 : \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k1\_numbers : \iota$ be given. Assume the following.

$$(k3\_complex1\ k6\_numbers = k6\_numbers) \wedge (k4\_complex1\ k6\_numbers = k6\_numbers) \tag{1}$$

Assume the following.

$$k17\_complex1\ k6\_complex1 = np\_\_1 \tag{2}$$

Assume the following.

$$k17\_complex1\ k6\_numbers = k6\_numbers \tag{3}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers) \Rightarrow ((X0 \neq k5\_complex1) \Rightarrow ((k17\_complex1\ (k8\_complex1\ (k13\_complex1\ (k3\_complex1\ X0)\ (k17\_complex1\ X0))\ (k9\_complex1\ (k13\_complex1\ (k1\_real\_1\ (k4\_complex1\ X0))\ (k17\_complex1\ X0))\ k7\_complex1)) = np\_\_1) \wedge ((k3\_complex1\ (k9\_complex1\ (k8\_complex1\ (k13\_complex1\ (k3\_complex1\ X0)\ (k17\_complex1\ X0))\ (k9\_complex1\ (k13\_complex1\ (k1\_real\_1\ (k4\_complex1\ X0))\ (k17\_complex1\ X0))\ k7\_complex1))\ X0) = k17\_complex1\ X0) \wedge (k4\_complex1\ (k9\_complex1\ (k8\_complex1\ (k13\_complex1\ (k3\_complex1\ X0)\ (k17\_complex1\ X0))\ (k9\_complex1\ (k13\_complex1\ (k1\_real\_1\ (k4\_complex1\ X0))\ (k17\_complex1\ X0))\ k7\_complex1))\ X0) = k6\_numbers)))) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0)\Rightarrow(k3\_xcmplx\_0\ X0\ k6\_numbers = k6\_numbers) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k2\_numbers)\wedge(m1\_subset\_1\ X1\ k2\_numbers))\Rightarrow(k9\_complex1\ X0\ X1 = k3\_xcmplx\_0\ X0\ X1) \tag{6}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{7}$$

Assume the following.

$$k5\_complex1 = k1\_xboole\_0 \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k2\_numbers)\wedge(m1\_subset\_1\ X1\ k2\_numbers))\Rightarrow(m1\_subset\_1\ (k9\_complex1\ X0\ X1)\ k2\_numbers) \tag{9}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k2\_numbers)\wedge(m1\_subset\_1\ X1\ k2\_numbers))\Rightarrow(m1\_subset\_1\ (k8\_complex1\ X0\ X1)\ k2\_numbers) \tag{10}$$

Assume the following.

$$m1\_subset\_1\ k7\_complex1\ k2\_numbers \tag{11}$$

Assume the following.

$$m1\_subset\_1\ k6\_complex1\ k2\_numbers \tag{12}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0)\Rightarrow(m1\_subset\_1\ (k4\_complex1\ X0)\ k1\_numbers) \tag{13}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0)\Rightarrow(m1\_subset\_1\ (k3\_complex1\ X0)\ k1\_numbers) \tag{14}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(m1\_subset\_1\ (k1\_real\_1\ X0)\ k1\_numbers) \tag{15}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0)\Rightarrow(m1\_subset\_1\ (k17\_complex1\ X0)\ k1\_numbers) \tag{16}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcmplx\_0\ X0)\wedge(v1\_xcmplx\_0\ X1))\Rightarrow(m1\_subset\_1\ (k13\_complex1\ X0\ X1)\ k2\_numbers) \tag{17}$$

Assume the following.

$$k6\_complex1 = np\_\_1 \tag{18}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers)\Rightarrow(v1\_xcmplx\_0\ X0) \tag{19}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xcmplx\_0\ X0) \tag{20}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers)\Rightarrow(\exists X1.(m1\_subset\_1\ X1\ k2\_numbers)\wedge((k17\_complex1\ X1 = np\_\_1)\wedge((k3\_complex1\ (k9\_complex1\ X1\ X0) = k17\_complex1\ X0)\wedge(k4\_complex1\ (k9\_complex1\ X1\ X0) = k6\_numbers))))$$