t33_valued_2 (TMdr4PB4YPyfGv67itgo6iVPKTgyPFLWuYs)

October 27, 2020

Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_valued\_0 : \iota \Rightarrow o$ be given. Let $v2\_relat\_1 : \iota \Rightarrow o$ be given. Let $k14\_valued\_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k24\_valued\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $k7\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k6\_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (\forall X2.((v1\_relat\_1\ X2) \wedge ((v1\_funct\_1\ X2) \wedge (v1\_valued\_0\ X2))) \Rightarrow (((v2\_relat\_1\ X2) \wedge (k24\_valued\_1\ X2\ X0 = k24\_valued\_1\ X2\ X1)) \Rightarrow ((X2 = k1\_xboole\_0) \vee (X0 = X1))))))) \tag{1}$$

Assume the following.

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

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (k7\_xcmplx\_0\ np\_\_1\ X0 = k5\_xcmplx\_0\ X0) \tag{3}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{4}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (v1\_xcmplx\_0\ (k5\_xcmplx\_0\ X0)) \tag{5}$$

Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v1\_funct\_1\ X0) \wedge (v1\_valued\_0\ X0))) \Rightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (k14\_valued\_2\ X0\ X1 = k24\_valued\_1\ X0\ (k7\_xcmplx\_0\ np\_\_1\ X1))) \tag{6}$$

Theorem 1

$$\forall X0.(v1\_xcmplx\_0\ X0)\Rightarrow(\forall X1.(v1\_xcmplx\_0\ X1)\Rightarrow(\forall X2.((v1\_relat\_1\ X2)\wedge((v1\_funct\_1\ X2)\wedge(v1\_valued\_0\ X2)))\Rightarrow(((v2\_relat\_1\ X2)\wedge(k14\_valued\_2\ X2\ X0 = k14\_valued\_2\ X2\ X1))\Rightarrow((X2 = k1\_xboole\_0)\vee(X0 = X1)))))$$