t24_power (TMXewgY-WwV8mEH9969J2GWHsPm975arQEzX)

October 27, 2020

Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k3\_power : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k4\_prepower : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $v6\_membered : \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9\_prepower : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_int\_1 : \iota \Rightarrow o$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (k4\_prepower\ X0\ k6\_numbers = np\_\_1) \tag{2}$$

Assume the following.

$$m1\_subset\_1\ k1\_xboole\_0\ k4\_ordinal1 \tag{3}$$

Assume the following.

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

Assume the following.

$$\exists X0.(v1\_xboole\_0\ X0) \wedge ((v1\_xcmplx\_0\ X0) \wedge ((v1\_xxreal\_0\ X0) \wedge (v1\_xreal\_0\ X0))) \tag{5}$$

Assume the following.

$$v6\_membered\ k4\_ordinal1 \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xreal\_0\ X0) \wedge (v1\_xreal\_0\ X1)) \Rightarrow (v1\_xreal\_0\ (k3\_power\ X0\ X1)) \tag{7}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Rightarrow(\forall X1.(v1\_xreal\_0\ X1)\Rightarrow(\forall X2.\ (v1\_xreal\_0\ X2)\Rightarrow(((\neg r1\_xxreal\_0\ X0\ k6\_numbers)\Rightarrow((X2 = k3\_power\ X0\ X1)\Leftrightarrow(X2 = k9\_prepower\ X0\ X1)))\wedge(((X0 = k6\_numbers)\Rightarrow((r1\_xxreal\_0\ X1\ k6\_numbers)\vee((X2 = k3\_power\ X0\ X1)\Leftrightarrow(X2 = k6\_numbers))))\wedge((v1\_int\_1\ X1)\Rightarrow((X2 = k3\_power\ X0\ X1)\Leftrightarrow(\exists X3.(v1\_int\_1\ X3)\wedge((X3 = X1)\wedge\ (X2 = k4\_prepower\ X0\ X3)))))))))) \tag{8}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow(v1\_int\_1\ X0) \tag{9}$$

Assume the following.

$$\forall X0.(v6\_membered\ X0)\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ X0)\Rightarrow\ (v7\_ordinal1\ X1)) \tag{10}$$

Theorem 1 $\forall X0.(v1\_xreal\_0\ X0)\Rightarrow(k3\_power\ X0\ k6\_numbers = np\_\_1)$.