t13_mesfunc1 (TML8h2txKyjXXo4Lh3rdQj4HRb9Y1a7Q6Ve)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7\_numbers : \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_measure6 : \iota \Rightarrow \iota$ be given. Let $k2\_supinf\_1 : \iota$ be given. Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $k2\_xxreal\_0 : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (r1\_xxreal\_0\ k2\_xxreal\_0\ X0) \tag{1}$$

Assume the following.

$$\begin{gathered}\forall X0.(m1\_subset\_1\ X0\ k7\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ X1\ k7\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0\ X1\ X0) \wedge (\forall X2.(m1\_subset\_1 \\ X2\ k7\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0\ X2\ X0) \wedge ((\neg r1\_xxreal\_0\ X1\ X2) \wedge \\ (X2 \in k1\_numbers))))))\end{gathered} \tag{2}$$

Assume the following.

$$\begin{gathered}\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow ((\\ (r1\_xxreal\_0\ X0\ X1) \wedge (r1\_xxreal\_0\ X1\ X0)) \Rightarrow (X0 = X1)))\end{gathered} \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1\ X0\ X1) \tag{4}$$

Assume the following.

$$k2\_supinf\_1 = k2\_xxreal\_0 \tag{5}$$

Assume the following.

$$m1\_subset\_1\ k2\_supinf\_1\ k7\_numbers \tag{6}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (k1\_measure6\ X0 = X0) \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xxreal\_0\ X0)\wedge(v1\_xxreal\_0\ X1))\Rightarrow(\\(r1\_xxreal\_0\ X0\ X1)\vee(r1\_xxreal\_0\ X1\ X0)) \tag{8}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k7\_numbers)\Rightarrow(v1\_xxreal\_0\ X0) \tag{9}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k7\_numbers)\Rightarrow((\forall X1.(m1\_subset\_1\\ X1\ k1\_numbers)\Rightarrow(\neg r1\_xxreal\_0\ (k1\_measure6\ X1)\ X0))\Rightarrow(X0 = k2\_supinf\_1))$$