t13_measure6 (TMWJDkK4b9sGeCEf8Qi9UENGfFPKwyTQbcN)

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Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v6\_xxreal\_2 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k7\_numbers : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8\_supinf\_2 : \iota \Rightarrow \iota$ be given. Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $k1\_xxreal\_2 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v2\_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow ((\neg r1\_xxreal\_0\ X1\ X0) \Rightarrow (k1\_xxreal\_2\ (k3\_xxreal\_1\ X0\ X1) = X1))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow ((r1\_xxreal\_0\ X0\ X1) \Rightarrow (k3\_xxreal\_1\ X1\ X0 = k1\_xboole\_0))) \tag{2}$$

Assume the following.

$$\forall X0.(v2\_membered\ X0) \Rightarrow (k8\_supinf\_2\ X0 = k1\_xxreal\_2\ X0) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xxreal\_0\ X0) \wedge (v1\_xxreal\_0\ X1)) \Rightarrow (v2\_membered\ (k3\_xxreal\_1\ X0\ X1)) \tag{4}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{5}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k7\_numbers) \Rightarrow (v1\_xxreal\_0\ X0) \tag{6}$$

Theorem 1

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge ((v6\_xxreal\_2\ X0) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers)))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k7\_numbers) \Rightarrow ((\exists X2.(m1\_subset\_1\ X2\ k7\_numbers) \wedge ((r1\_xxreal\_0\ X2\ X1) \wedge (X0 = k3\_xxreal\_1\ X2\ X1))) \Rightarrow (X1 = k8\_supinf\_2\ X0)))$$