

t10_measure5 (TM- RYmNhSL5ZYV8Kpv4LHbK25bgKQHnE2HSd)

October 27, 2020

Let $k2_measure5 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k1_supinf_2 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $k4_supinf_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k1_supinf_1 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k7_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k7_numbers) \Rightarrow (((\neg r1_xxreal_0 X1 X0) \Rightarrow (k2_measure5 (k3_xxreal_1 \\ X0 X1) = k4_supinf_2 X1 X0)) \wedge ((r1_xxreal_0 X1 X0) \Rightarrow (k2_measure5 \\ (k3_xxreal_1 X0 X1) = k1_supinf_2)))) \end{aligned} \tag{1}$$

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.

$$\forall X0.\forall X1.((v1_xxreal_0 X0) \wedge (v1_xxreal_0 X1)) \Rightarrow (r1_xxreal_0 X0 X0) \tag{3}$$

Assume the following.

$$m1_subset_1 k1_supinf_1 k7_numbers \tag{4}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k7_numbers) \Rightarrow (v1_xxreal_0 X0) \tag{5}$$

Theorem 1 $k2_measure5 k1_xboole_0 = k1_supinf_2$.