

t2_rinfsup2
(TMJzd4ELB3JaGgyRYJiH9m2ZTcjXS3rbhE5)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k7_numbers : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $v4_xxreal_2 : \iota \Rightarrow o$ be given. Let $k8_supinf_2 : \iota \Rightarrow \iota$ be given. Let $k4_seq_4 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. ((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 k7_numbers))) \Rightarrow \\ (\forall X1. ((\neg v1_xboole_0 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 \\ k1_numbers))) \Rightarrow (((X0 = X1) \wedge (v4_xxreal_2 X1)) \Rightarrow ((v4_xxreal_2 X0) \wedge \\ (k8_supinf_2 X0 = k4_seq_4 X1)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0. ((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 k7_numbers))) \Rightarrow \\ (\forall X1. ((\neg v1_xboole_0 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 \\ k1_numbers))) \Rightarrow (((X0 = X1) \wedge (v4_xxreal_2 X0)) \Rightarrow ((v4_xxreal_2 X1) \wedge \\ (k8_supinf_2 X0 = k4_seq_4 X1)))) \end{aligned}$$