

l17_xreal_0
(TMHct3UGjeN1PXg4rCYQS3HGcs1LBCwnKos)

October 27, 2020

Let $c3_xreal_0 : \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k5_arytm_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $c4_xreal_0 : \iota$ be given. Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 \ np_1) \wedge (m2_subset_1 \ np_1 \ k1_numbers \ k5_numbers)) \wedge \\ & ((m1_subset_1 \ np_1 \ k5_numbers) \wedge (m1_subset_1 \ np_1 \ k1_numbers)) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.(v1_xreal_0 \ X0) \Rightarrow (\forall X1.(m1_subset_1 \ X1 \ k1_numbers) \Rightarrow \\ & (\forall X2.(m1_subset_1 \ X2 \ k1_numbers) \Rightarrow ((X0 = k5_arytm_0 \ X1 \ X2) \Rightarrow \\ & ((X2 = k6_numbers) \wedge (X0 = X1)))))) \end{aligned} \quad (2)$$

Assume the following.

$$np_1 = k5_arytm_0 \ c3_xreal_0 \ c4_xreal_0 \quad (3)$$

Assume the following.

$$m1_subset_1 \ c4_xreal_0 \ k1_numbers \quad (4)$$

Assume the following.

$$m1_subset_1 \ c3_xreal_0 \ k1_numbers \quad (5)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k1_numbers) \Rightarrow (v1_xreal_0 \ X0) \quad (6)$$

Theorem 1 $c3_xreal_0 = np_1$.