

l23_nagata_2
(TMajPiP6uYZhRuDZoZ3tdwpZomce7n6q1Nf)

October 27, 2020

Let $k2_tops_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k1_nagata_2 : \iota$ be given. Let $k2_funct_1 : \iota \Rightarrow \iota$ be given. Let $v3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$v3_funct_2 \ k1_nagata_2 \ (k2_zfmisc_1 \ k5_numbers \ k5_numbers) \ k5_numbers \quad (1)$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 \ k1_nagata_2) \wedge ((v1_funct_2 \ k1_nagata_2 \ (k2_zfmisc_1 \\ & \ k5_numbers \ k5_numbers) \ k5_numbers) \wedge (m1_subset_1 \ k1_nagata_2 \\ & (k1_zfmisc_1 \ (k2_zfmisc_1 \ (k2_zfmisc_1 \ k5_numbers \ k5_numbers) \\ & \ k5_numbers)))) \quad (2) \end{aligned}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. ((v1_funct_1 \ X2) \wedge ((v1_funct_2 \\ & \ X2 \ X0 \ X1) \wedge (m1_subset_1 \ X2 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ X0 \ X1)))) \Rightarrow \\ & ((v3_funct_2 \ X2 \ X0 \ X1) \Rightarrow (k2_tops_2 \ X0 \ X1 \ X2 = k2_funct_1 \ X2)) \quad (3) \end{aligned}$$

Theorem 1

$$k2_tops_2 \ (k2_zfmisc_1 \ k5_numbers \ k5_numbers) \ k5_numbers \ k1_nagata_2 = k2_funct_1 \ k1_nagata_2$$