

l68_arytm_2

(TMb8WMGgqiuM8E2JS8j9RNzJ52PczWrDVmc7)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k5_arytm_3 : \iota$ be given. Let $r3_arytm_3 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k11_arytm_3 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k5_arytm_3) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k5_arytm_3) \Rightarrow ((\neg r3_arytm_3 X1 X0) \Leftrightarrow ((r3_arytm_3 X0 X1) \wedge (X0 \neq \\ X1)))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\neg (X1 \neq k1_xboole_0) \wedge (\forall X2.(m1_subset_1 X2 X0) \Rightarrow (\neg X2 \in X1))) \quad (3)$$

Assume the following.

$$k11_arytm_3 = k1_xboole_0 \quad (4)$$

Assume the following.

$$\exists X0.(m1_subset_1 X0 k5_arytm_3) \wedge (v1_xboole_0 X0) \quad (5)$$

Theorem 1

$$\begin{aligned} \forall X0.\neg (X0 \in \text{ReplSep } (\text{toset } (\lambda X1 : \iota.m1_subset_1 X1 (k1_zfmisc_1 \\ k5_arytm_3)))) (\lambda X1 : \iota.\forall X2.(m1_subset_1 X2 k5_arytm_3) \Rightarrow \\ ((X2 \in X1) \Rightarrow ((\forall X3.(m1_subset_1 X3 k5_arytm_3) \Rightarrow ((r3_arytm_3 \\ X3 X2) \Rightarrow (X3 \in X1)))) \wedge (\exists X3.(m1_subset_1 X3 k5_arytm_3) \wedge ((\\ X3 \in X1) \wedge (\neg r3_arytm_3 X3 X2)))))) (\lambda X1 : \iota.X1) \wedge ((X0 \neq k11_arytm_3) \wedge \\ (\forall X1.(m1_subset_1 X1 k5_arytm_3) \Rightarrow (\neg (X1 \in X0) \wedge (X1 \neq k11_arytm_3)))) \end{aligned}$$