

l66_arytm_2
(TMYUmK9zfS8cjtKGCH5pb6KSQGoe4mWQDfz)

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Let $k12_arytm_3 : \iota$ be given. Let $k5_arytm_3 : \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$k12_arytm_3 = np_1 \tag{1}$$

Assume the following.

$$\neg v1_xboole_0 \ k5_arytm_3 \tag{2}$$

Assume the following.

$$(\neg v1_xboole_0 \ k12_arytm_3) \wedge ((v3_ordinal1 \ k12_arytm_3) \wedge (m1_subset_1 \ k12_arytm_3 \ k5_arytm_3)) \tag{3}$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1_xboole_0 \ X0) \Rightarrow ((m1_subset_1 \ X1 \ X0) \Leftrightarrow (X1 \in X0))) \wedge ((v1_xboole_0 \ X0) \Rightarrow ((m1_subset_1 \ X1 \ X0) \Leftrightarrow (v1_xboole_0 \ X1))) \tag{4}$$

Theorem 1 $k12_arytm_3 \in k5_arytm_3$.