

l67_arytm_2
(TMdmNsttxEyUu7WuBwcqy5LrekAF5drKLj2)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k12_arytm_3 : \iota$ be given. Let $k2_arytm_2 : \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_arytm_3 : \iota$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \quad (1)$$

Assume the following.

$$r1_tarski k5_arytm_3 k2_arytm_2 \quad (2)$$

Assume the following.

$$k12_arytm_3 \in k5_arytm_3 \quad (3)$$

Assume the following.

$$k12_arytm_3 = np_1 \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (5)$$

Theorem 1 $m1_subset_1 k12_arytm_3 k2_arytm_2$.