

t20_arytm_2
(TMbK1DMg3RFTZ51EELdBzeBcq5Aoh8YWVDJ)

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Let $k11_arytm_3 : \iota$ be given. Let $k2_arytm_2 : \iota$ be given. Let $k12_arytm_3 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ 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.

$$\forall X0. \forall X1. (m1_subset_1 X0 X1) \Rightarrow ((v1_xboole_0 X1) \vee (X0 \in X1)) \quad (1)$$

Assume the following.

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

Assume the following.

$$m1_subset_1 \ k12_arytm_3 \ k2_arytm_2 \quad (3)$$

Assume the following.

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

Assume the following.

$$\neg v1_xboole_0 \ k5_arytm_3 \quad (5)$$

Assume the following.

$$\neg v1_xboole_0 \ k2_arytm_2 \quad (6)$$

Assume the following.

$$m1_subset_1 \ k11_arytm_3 \ k5_arytm_3 \quad (7)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (8)$$

Theorem 1 $(k11_arytm_3 \in k2_arytm_2) \wedge (k12_arytm_3 \in k2_arytm_2)$.