

l4_numbers

(TMLH9ydXP rHVEkjZqytGnazBMLgfNsUCLXj)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_arytm_2 : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k11_arytm_3 : \iota$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 (k2_xboole_0 X0 X1) \tag{1}$$

Assume the following.

$$\forall X0. \neg k4_tarski k11_arytm_3 X0 \in k2_arytm_2 \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarski X0 X1) \Rightarrow ((X2 \in X0) \vee (r1_tarski X0 (k4_xboole_0 X1 (k1_tarski X2)))) \tag{3}$$

Assume the following.

$$\forall X0. \forall X1. k6_subset_1 X0 X1 = k4_xboole_0 X0 X1 \tag{4}$$

Assume the following.

$$k11_arytm_3 = k1_xboole_0 \tag{5}$$

Assume the following.

$$k1_numbers = k6_subset_1 (k2_xboole_0 k2_arytm_2 (k2_zfmisc_1 (k1_tarski k1_xboole_0) k2_arytm_2)) (k1_tarski (k4_tarski k1_xboole_0 k1_xboole_0)) \tag{6}$$

Theorem 1 $r1_tarski k2_arytm_2 k1_numbers$.