

t5_numbers
(TMNoYFvk8ZZAmt0MT3kdnvjHMksLx3Hgiyj)

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Let $r2_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_numbers : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k3_numbers : \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$r2_xboole_0 \ k3_numbers \ k1_numbers \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1_tarski \ X0 \ X1) \wedge (r2_xboole_0 \ X1 \ X2)) \Rightarrow (r2_xboole_0 \ X0 \ X2) \tag{2}$$

Assume the following.

$$r1_tarski \ k4_numbers \ k3_numbers \tag{3}$$

Theorem 1 $r2_xboole_0 \ k4_numbers \ k1_numbers$.