

l1_topreal2

(TMWse7gqZF429Tjt1URMXqAV9ZD5ha7Uhkt)

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Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (\neg X0 \in X1) \Rightarrow (r1_xboole_0 (k1_tarski X0) X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_xboole_0 X0 X1) \Leftrightarrow (k3_xboole_0 X0 X1 = k1_xboole_0) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (\neg X0 \in X1) \Rightarrow (k3_xboole_0 (k1_tarski X0) X1 = k1_xboole_0)$$