

l3_realset2

(TMaf24sdKvY8FHEQokw6b3ck7cSzEA2whns)

October 27, 2020

Let $np_1 : \iota$ be given. Let $np_2 : \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$np_2 = k2_tarski\ k1_xboole_0\ np_1 \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(X2 = k2_tarski\ X0\ X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (2)$$

Theorem 1 $np_1 \in np_2$.