

t6_xboole_1
(TMUP3pyhtRPXHCQrfb9soYrE84Mxnh434f1)

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Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. k2_xboole_0 (k2_xboole_0 X0 X1) X2 = k2_xboole_0 X0 (k2_xboole_0 X1 X2) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k2_xboole_0 X0 X0 = X0 \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. k2_xboole_0 X0 (k2_xboole_0 X0 X1) = k2_xboole_0 X0 X1$$