

t31_mcart_1
(TMLJDUJo2pFeoqx8om1rsEJjHQ2dyWwAvF1)

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Let $k1_xboole_0 : \iota$ be given. Let $k3_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k2_zfmisc_1 X0 X1 = k1_xboole_0) \Leftrightarrow ((X0 = k1_xboole_0) \vee (X1 = k1_xboole_0)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k3_zfmisc_1 X0 X1 X2 = k2_zfmisc_1 (k2_zfmisc_1 X0 X1) X2 \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. ((X0 \neq k1_xboole_0) \wedge ((X1 \neq k1_xboole_0) \wedge (X2 \neq k1_xboole_0))) \Leftrightarrow (k3_zfmisc_1 X0 X1 X2 \neq k1_xboole_0)$$