

t32_mcart_1

(TMLheAQxEtCx8iTMyfYrszCBa1k6wDD1cn4)

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Let $k3_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ 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.

$$\forall X0. \forall X1. \forall X2. \forall X3. (k2_zfmisc_1 X0 X1 = k2_zfmisc_1 X2 X3) \Rightarrow ((X0 = k1_xboole_0) \vee ((X1 = k1_xboole_0) \vee ((X0 = X2) \wedge (X1 = X3)))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k3_zfmisc_1 X0 X1 X2 = k2_zfmisc_1 (k2_zfmisc_1 X0 X1) X2 \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. (k3_zfmisc_1 X0 X1 X2 = k3_zfmisc_1 X3 X4 X5) \Rightarrow ((X0 = k1_xboole_0) \vee ((X1 = k1_xboole_0) \vee ((X2 = k1_xboole_0) \vee ((X0 = X3) \wedge ((X1 = X4) \wedge (X2 = X5))))))$$