

t50_mcart_1 (TMM-
Neutn2rQMA7dWfuSJsHTGEKmpVdyJ2ou)

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Let $k3_zfmisc.1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc.1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_zfmisc.1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. k4_zfmisc.1 X0 X1 X2 X3 = k2_zfmisc.1 (k3_zfmisc.1 X0 X1 X2) X3 \quad (1)$$

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

$$\forall X0. \forall X1. \forall X2. \forall X3. k3_zfmisc.1 (k2_zfmisc.1 X0 X1) X2 X3 = k4_zfmisc.1 X0 X1 X2 X3$$