t34_mcart_1 (TMYmiaNDZge8Eg6cG7chdt7PA8M5TwRceGH)

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Let $k3\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\\ (k3\_zfmisc\_1\ X0\ X1\ X2 = k3\_zfmisc\_1\ X3\ X4\ X5) \Rightarrow ((X0 = k1\_xboole\_0) \vee \\ ((X1 = k1\_xboole\_0) \vee ((X2 = k1\_xboole\_0) \vee ((X0 = X3) \wedge ((X1 = X4) \wedge (\\ X2 = X5))))))) \tag{1}$$

Theorem 1

$$\forall X0.\forall X1.(k3\_zfmisc\_1\ X0\ X0\ X0 = k3\_zfmisc\_1\ X1\ X1\ X1) \Rightarrow \\ (X0 = X1)$$