

t10_recdef_2

(TMVQ699DuW5HwRhNnU9c7NeQhy2eRQQoDSH)

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Let $k4_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k5_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k2_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k3_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xtuple_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. (X0 \in k3_zfmisc_1 \\ & X1 X2 X3) \Rightarrow (X0 = k3_xtuple_0 (k4_xtuple_0 X0) (k5_xtuple_0 X0) (k2_xtuple_0 \\ & X0)) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. ((k4_xtuple_0 \\ & X0 = k4_xtuple_0 X1) \wedge ((k5_xtuple_0 X0 = k5_xtuple_0 X1) \wedge ((k2_xtuple_0 \\ & X0 = k2_xtuple_0 X1) \wedge ((X1 \in k3_zfmisc_1 X2 X3 X4) \wedge (X0 \in k3_zfmisc_1 \\ & X2 X3 X4)))))) \Rightarrow (X0 = X1) \end{aligned}$$