

t46_rewrite2 (TMNo- grUJ1HjxLedMMF cwFiVE5UC9hwjwJ8F)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_afinsq_1 : \iota \Rightarrow \iota$ be given. Let $k8_rewrite2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r3_rewrite2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\
 & \quad (k8_afinsq_1 X0) (k8_afinsq_1 X0)))) \Rightarrow (\forall X2. (m1_subset_1 \\
 X2 (k8_afinsq_1 X0)) \Rightarrow (k8_rewrite2 X0 X1 X2 = ReplSep (toset (\lambda X3 : \\
 & \quad \iota. m1_subset_1 X3 (k8_afinsq_1 X0))) (\lambda X3 : \iota. r3_rewrite2 \\
 & \quad X0 X1 X2 X3) (\lambda X3 : \iota. X3)))
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\
 & \quad (k8_afinsq_1 X0) (k8_afinsq_1 X0)))) \Rightarrow (\forall X2. (m1_subset_1 \\
 X2 (k8_afinsq_1 X0)) \Rightarrow (\forall X3. (m1_subset_1 X3 (k8_afinsq_1 \\
 X0)) \Rightarrow ((X2 \in k8_rewrite2 X0 X1 X3) \Leftrightarrow (r3_rewrite2 X0 X1 X3 X2))))
 \end{aligned}$$