

t35_relset_2

(TMa8dhrJfyM9NFLjXNNJ9cgnG8tMrH9rGVg)

October 27, 2020

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 $k6_relset_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1 : \iota \Rightarrow o. \forall X2 : \iota \Rightarrow \iota. \forall X3. \\ & m1_subset_1 (ReplSep (toset (\lambda X4 : \iota. m1_subset_1 X4 X3))) (\\ & \lambda X4 : \iota. X1 X4) (\lambda X4 : \iota. X2 X4)) (k1_zfmisc_1 X0) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (m1_subset_1 X2 (k1_zfmisc_1 \\ & (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))) \Rightarrow (\forall X3. \forall X4. \forall X5. \\ & (m1_subset_1 X5 (k1_zfmisc_1 X3)) \Rightarrow (m1_subset_1 (ReplSep (toset \\ & (\lambda X6 : \iota. m1_subset_1 X6 (k1_zfmisc_1 (k2_zfmisc_1 X3 X4)))) \\ & (\lambda X6 : \iota. X6 \in X2) (\lambda X6 : \iota. k6_relset_2 X3 X4 X5 X6)) (k1_zfmisc_1 \\ & (k1_zfmisc_1 X4)))) \end{aligned}$$