

t1_binop_2 (TMGLKvSraSTb- SmL1tJX2gJR1MnABDpGB9Mv)

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Let $k4_binop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_numbers : \iota$ be given. Let $k27_binop_2 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $r3_binop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $c1_binop_2 : \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$r3_binop_1 \ k2_numbers \ c1_binop_2 \ k27_binop_2 \tag{1}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 \ k27_binop_2) \wedge ((v1_funct_2 \ k27_binop_2 \ (k2_zfmisc_1 \\ & \ k2_numbers \ k2_numbers) \ k2_numbers) \wedge (m1_subset_1 \ k27_binop_2 \\ & (k1_zfmisc_1 \ (k2_zfmisc_1 \ (k2_zfmisc_1 \ k2_numbers \ k2_numbers) \\ & \ k2_numbers)))) \tag{2} \end{aligned}$$

Assume the following.

$$m1_subset_1 \ c1_binop_2 \ k2_numbers \tag{3}$$

Assume the following.

$$c1_binop_2 = k6_numbers \tag{4}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v1_funct_1 \ X1) \wedge ((v1_funct_2 \ X1 \ (k2_zfmisc_1 \\ & \ X0 \ X0) \ X0) \wedge (m1_subset_1 \ X1 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ (k2_zfmisc_1 \\ & \ X0 \ X0) \ X0)))))) \Rightarrow ((\exists X2. (m1_subset_1 \ X2 \ X0) \wedge (r3_binop_1 \ X0 \\ & \ X2 \ X1)) \Rightarrow (\forall X2. (m1_subset_1 \ X2 \ X0) \Rightarrow ((X2 = k4_binop_1 \ X0 \ X1) \Leftrightarrow \\ & \ (r3_binop_1 \ X0 \ X2 \ X1)))) \tag{5} \end{aligned}$$

Theorem 1 $k4_binop_1 \ k2_numbers \ k27_binop_2 = k6_numbers.$