t7_binop_2 (TMXQSLVFj-JaVP4Va5WXTkHRLm5WM8iRwwvL)

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Let $k4\_binop\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k35\_binop\_2 : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $r3\_binop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$r3\_binop\_1\ k1\_numbers\ np\_\_1\ k35\_binop\_2 \tag{1}$$

Assume the following.

$$m1\_subset\_1\ np\_\_1\ k1\_numbers \tag{2}$$

Assume the following.

$$\begin{gathered}(v1\_funct\_1\ k35\_binop\_2) \wedge ((v1\_funct\_2\ k35\_binop\_2\ (k2\_zfmisc\_1 \\ k1\_numbers\ k1\_numbers)\ k1\_numbers) \wedge (m1\_subset\_1\ k35\_binop\_2 \\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k2\_zfmisc\_1\ k1\_numbers\ k1\_numbers) \\ k1\_numbers))))\end{gathered} \tag{3}$$

Assume the following.

$$\begin{gathered}\forall X0.\forall X1.((v1\_funct\_1\ X1) \wedge ((v1\_funct\_2\ X1\ (k2\_zfmisc\_1 \\ X0\ X0)\ X0) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k2\_zfmisc\_1 \\ X0\ X0)\ X0))))) \Rightarrow ((\exists X2.(m1\_subset\_1\ X2\ X0) \wedge (r3\_binop\_1\ X0 \\ X2\ X1)) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ X0) \Rightarrow ((X2 = k4\_binop\_1\ X0\ X1) \Leftrightarrow \\ (r3\_binop\_1\ X0\ X2\ X1))))\end{gathered} \tag{4}$$

Theorem 1 $k4\_binop\_1\ k1\_numbers\ k35\_binop\_2 = np\_\_1$.