t94_rvsum_1 (TMdGzn-PJDYMM5WRoNiq2Zqgcv15P9Legued)

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Let $k21\_rvsum\_1 : \iota \Rightarrow \iota$ be given. Let $k6\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k4\_binop\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k35\_binop\_2 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ 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 $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_setwiseo : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_finsop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k11\_arytm\_3 : \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xxreal\_0 : \iota$ be given. Assume the following.

$$k4\_binop\_1\ k1\_numbers\ k35\_binop\_2 = np\_\_1 \tag{1}$$

Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow (\forall X1.((v1\_funct\_1\ X1) \wedge ((v1\_funct\_2\ X1\ (k2\_zfmisc\_1\ X0\ X0)\ X0) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0)\ X0))))) \Rightarrow ((v1\_setwiseo\ X1\ X0) \Rightarrow (k1\_finsop\_1\ X0\ (k6\_finseq\_1\ X0)\ X1 = k4\_binop\_1\ X0\ X1))) \tag{2}$$

Assume the following.

$$k11\_arytm\_3 = k1\_xboole\_0 \tag{3}$$

Assume the following.

$$\neg v1\_xboole\_0\ k1\_numbers \tag{4}$$

Assume the following.

$$(v1\_funct\_1\ k35\_binop\_2) \wedge ((v1\_funct\_2\ k35\_binop\_2\ (k2\_zfmisc\_1\ k1\_numbers\ k1\_numbers)\ k1\_numbers) \wedge (v1\_setwiseo\ k35\_binop\_2\ k1\_numbers)) \tag{5}$$

Assume the following.

$$\forall X0.m2\_finseq\_1\ (k6\_finseq\_1\ X0)\ X0 \tag{6}$$

Assume the following.

$$(v1\_funct\_1\ k35\_binop\_2)\wedge((v1\_funct\_2\ k35\_binop\_2\ (k2\_zfmisc\_1\ k1\_numbers\ k1\_numbers)\ k1\_numbers)\wedge(m1\_subset\_1\ k35\_binop\_2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k2\_zfmisc\_1\ k1\_numbers\ k1\_numbers)\ k1\_numbers)))) \tag{7}$$

Assume the following.

$$\forall X0.k6\_finseq\_1\ X0 = k1\_xboole\_0 \tag{8}$$

Assume the following.

$$k1\_xxreal\_0 = k1\_numbers \tag{9}$$

Assume the following.

$$k1\_xboole\_0 = the\ (\lambda X0 : \iota.v1\_xboole\_0\ X0) \tag{10}$$

Assume the following.

$$\forall X0.(m2\_finseq\_1\ X0\ k1\_numbers)\Rightarrow(k21\_rvsum\_1\ X0 = k1\_finsop\_1\ k1\_numbers\ X0\ k35\_binop\_2) \tag{11}$$

Theorem 1 $k21\_rvsum\_1\ (k6\_finseq\_1\ k1\_numbers) = np\_\_1$.