t51_seq_4 (TMWiAv5u8CWQVP5LWnA91oHVLSmqp5pGUV7)

October 27, 2020

Let $v1\_finseqop : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k27\_binop\_2 : \iota$ be given. Let $k2\_numbers : \iota$ be given. Let $r1\_finseqop : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k25\_binop\_2 : \iota$ 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. Assume the following.

$$r1\_finseqop\ k2\_numbers\ k25\_binop\_2\ k27\_binop\_2 \tag{1}$$

Assume the following.

$$\neg v1\_xboole\_0\ k2\_numbers \tag{2}$$

Assume the following.

$$(v1\_funct\_1\ k27\_binop\_2) \wedge ((v1\_funct\_2\ k27\_binop\_2\ (k2\_zfmisc\_1\ k2\_numbers\ k2\_numbers)\ k2\_numbers) \wedge (m1\_subset\_1\ k27\_binop\_2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k2\_zfmisc\_1\ k2\_numbers\ k2\_numbers)\ k2\_numbers)))) \tag{3}$$

Assume the following.

$$(v1\_funct\_1\ k25\_binop\_2) \wedge ((v1\_funct\_2\ k25\_binop\_2\ k2\_numbers\ k2\_numbers) \wedge (m1\_subset\_1\ k25\_binop\_2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ k2\_numbers\ k2\_numbers)))) \tag{4}$$

Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow (\forall X1.((v1\_funct\_1\ X1) \wedge ((v1\_funct\_2\ X1\ (k2\_zfmisc\_1\ X0\ X0)\ X0) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0)\ X0))))) \Rightarrow ((v1\_finseqop\ X1\ X0) \Leftrightarrow (\exists X2.((v1\_funct\_1\ X2) \wedge ((v1\_funct\_2\ X2\ X0\ X0) \wedge (m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0))))) \wedge (r1\_finseqop\ X0\ X2\ X1)))) \tag{5}$$

Theorem 1 $v1\_finseqop\ k27\_binop\_2\ k2\_numbers.$