

l29\_rfinseq  
(TMVg8o4zdqw9AhakbUK5cM9uNutyZPSZSPi)

October 27, 2020

Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k3\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $v8\_valued\_0 : \iota \Rightarrow o$  be given. Let  $r2\_classes1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $np\_1 : \iota$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $m1\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_finseq\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(m2\_finseq\_1 X0 k1\_numbers) \Rightarrow (((k3\_finseq\_1 X0 = k6\_numbers) \vee (k3\_finseq\_1 X0 = np\_1)) \Rightarrow (v8\_valued\_0 X0)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_relat\_1 X0) \wedge (v1\_relat\_1 X1)) \Rightarrow (r2\_classes1 X0 X0) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.(m2\_finseq\_1 X1 X0) \Leftrightarrow (m1\_finseq\_1 X1 X0) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(m1\_finseq\_1 X1 X0) \Rightarrow ((v1\_relat\_1 X1) \wedge ((v1\_funct\_1 X1) \wedge (v1\_finseq\_1 X1))) \quad (4)$$

**Theorem 1**

$$\forall X0.(m2\_finseq\_1 X0 k1\_numbers) \Rightarrow (\neg(k6\_numbers = k3\_finseq\_1 X0) \wedge (\forall X1.((v8\_valued\_0 X1) \wedge (m2\_finseq\_1 X1 k1\_numbers)) \Rightarrow (\neg r2\_classes1 X0 X1)))$$