

t20\_fib\_num2  
(TMR3SHvAoWctC1bLnHqfDJtJohi19nrxAWm)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v2\_finseq\_1 : \iota \Rightarrow o$  be given. Let  $v1\_finseq\_1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k2\_finseq\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.((v1\_relat\_1 X0) \wedge (v1\_funct\_1 X0)) \Rightarrow (\neg(\exists X1. \\ (v7\_ordinal1 X1) \wedge (r1\_tarski (k9\_xtuple\_0 X0) (k2\_finseq\_1 X1))) \wedge \\ (\forall X1.((v1\_relat\_1 X1) \wedge (v1\_funct\_1 X1) \wedge (v1\_finseq\_1 \\ X1))) \Rightarrow (\neg r1\_tarski X0 X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.((v1\_relat\_1 X0) \wedge (v1\_funct\_1 X0)) \Rightarrow ((v2\_finseq\_1 \\ X0) \Leftrightarrow (\exists X1.(v7\_ordinal1 X1) \wedge (r1\_tarski (k9\_xtuple\_0 X0) \\ (k2\_finseq\_1 X1)))) \end{aligned} \quad (2)$$

**Theorem 1**

$$\begin{aligned} \forall X0.((v1\_relat\_1 X0) \wedge ((v1\_funct\_1 X0) \wedge (v2\_finseq\_1 X0))) \Rightarrow \\ (\exists X1.((v1\_relat\_1 X1) \wedge (v1\_funct\_1 X1) \wedge (v1\_finseq\_1 \\ X1))) \wedge (r1\_tarski X0 X1) \end{aligned}$$