

Inference at * 2 1 1 1
of proof for Lemma less-fast-fib:

....subterm.... T:t1:n

1. $f :$
 $\forall n, a, b:\mathbb{N}.$
 $\{m:\mathbb{N} \mid$
 $\forall k:\mathbb{N}.$
 $(a = \text{fib}(k))$
 $\Rightarrow ((k \leq 0) \Rightarrow (b = 0))$
 $\Rightarrow ((0 < k) \Rightarrow (b = \text{fib}(k - 1)))$
 $\Rightarrow (m = \text{fib}(n+k))\}$
2. $n : \mathbb{N}$
 $\vdash f(n,1,0) \in \{m:\mathbb{N} \mid m = \text{fib}(n)\}$
by (Auto·)
CollapseTHEN (Auto'·).

1:set predicate.... NILNIL

$\vdash f(n,1,0) = \text{fib}(n)$

.