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

1. $\forall n, a, b$:$\mathbb{N}$.
   $\{m$:$\mathbb{N}$ |
    $\forall k$:$\mathbb{N}$.
    $(a = \text{fib}(k))$
    $\Rightarrow ((k \leq 0) \Rightarrow (b = 0))$
    $\Rightarrow ((0 < k) \Rightarrow (b = \text{fib}(k - 1)))$
    $\Rightarrow (m = \text{fib}(n+k))\}$

$\vdash \forall n$:$\mathbb{N}$. $\{m$:$\mathbb{N} \mid m = \text{fib}(n)\}$
  by UseWitness $\lambda n.f(n,1,0)$

  1:

    $\vdash (\lambda n.f(n,1,0)) \in (\forall n$:$\mathbb{N}$. $\{m$:$\mathbb{N} \mid m = \text{fib}(n)\}$)
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http://www.nuprl.org/FDLcontent/p0_963683_/p25_528941_{less-fast-fib}2_1.html