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

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

$\vdash v = \text{fib}(n)$
 by D (-2)$\cdot$

 1:

  3. $v : \mathbb{N}$
  4. $\forall k$:$\mathbb{N}$.
     $(1 = \text{fib}(k))$
     $\Rightarrow ((k \leq 0) \Rightarrow (0 = 0))$
     $\Rightarrow ((0 < k) \Rightarrow (0 = \text{fib}(k - 1)))$
     $\Rightarrow (v = \text{fib}(n+k))$
  5. $f(n,1,0) = v$

  $\vdash v = \text{fib}(n)$

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http://www.nuprl.org/FDLcontent/p0_963683_/p25_528941_{less-fast-fib}2_1_1_1_1_1.html