

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

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