Inference at $*$ 1 2 2
of proof for Lemma p-fun-exp-add1-sq:

.....falsecase..... NILNIL

1. A : Type
2. f : $A \rightarrow (A$ + Top)
3. x : A
4. $\uparrow$isl($f(x)$)
5. n : $\mathbb{Z}$
6. $0 < n$
7. (primrec(n - 1;f o p-id() ;$\lambda i,g.\ f$ o g)(x))
   $\sim$
   (primrec(n - 1;p-id();$\lambda i,g.\ f$ o g)(outl($f(x)$)))
8. $\neg(n = 0)$

$\vdash$(($\lambda i,g.\ f$ o g)((n - 1),primrec(n - 1;f o p-id() ;$\lambda i,g.\ f$ o g),x))
$\sim$
(($\lambda i,g.\ f$ o g)((n - 1),primrec(n - 1;p-id();$\lambda i,g.\ f$ o g),outl($f(x)$)))
by (Reduce 0)
CollapseTHEN ((RW (SubC (AddrC [1] (UnfoldTopAbC))) 0)
CollapseTHEN ((
RepUR “can-apply do-apply“ (0)$\cdot$)
CollapseTHEN (ProveSqEq)$\cdot$)$\cdot$)$\cdot$

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