

Inference at * 2 1 1
of proof for Lemma p-fun-exp-compose:

....equality.... NILNIL

1. $T : \text{Type}$
 2. $n : \mathbb{Z}$
 3. $0 < n$
 4. $\forall h, f : (T \rightarrow (T + \text{Top})). f \wedge^{n-1} \circ h = \text{primrec}(n-1; h; \lambda i, g. f \circ g)$
 5. $T \rightarrow (T + \text{Top})$
 6. $f : T \rightarrow (T + \text{Top})$
- $\vdash \text{primrec}(1+(n-1); \text{p-id}(); \lambda i, g. f \circ g) = f \circ \text{primrec}(n-1; \text{p-id}(); \lambda i, g. f \circ g)$
by GenConcl p-id() = id THENA Auto

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7. $\text{id} : T \rightarrow (T + \text{Top})$
 8. $\text{p-id}() = \text{id}$
- $\vdash \text{primrec}(1+(n-1); \text{id}; \lambda i, g. f \circ g) = f \circ \text{primrec}(n-1; \text{id}; \lambda i, g. f \circ g)$
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