

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

1. $T : \text{Type}$
 2. $n : \mathbb{Z}$
 3. $0 < n$
 4. $\forall h, f : (T \rightarrow (T + \text{Top})). f \circ h = \text{primrec}(n - 1; h; \lambda i, g. f \circ g)$
 5. $T \rightarrow (T + \text{Top})$
 6. $f : T \rightarrow (T + \text{Top})$
 7. $id : T \rightarrow (T + \text{Top})$
 8. $\text{p-id}() = id$
- $\vdash \text{primrec}(1 + (n - 1); id; \lambda i, g. f \circ g) = f \circ \text{primrec}(n - 1; id; \lambda i, g. f \circ g)$
by RWO "primrec.add" 0 THEN Auto THEN Reduce 0 THEN Auto