Inference at $*$ 2 1 1 1 1
of proof for Lemma primrec_add:

1. T : Type
2. n : $\mathbb{Z}$
3. $0 < n$
4. $\forall m{:}\mathbb{N}$, $b{:}T$, $c{:}(\{0..((n - 1)+m)^-\}\to T\to T)$.
   primrec($(n - 1)+m$;b;c) = primrec(n - 1;primrec(m;b;c);$\lambda i,t.\ c(i+m,t)$)
5. m : $\mathbb{N}$
6. b : T
7. c : $\{0..(n+m)^-\}\to T\to T$
8. b' : T
9. primrec(m;b;c) = b'
10. primrec($(n - 1)+m$;b;c) = primrec(n - 1;b';$\lambda i,t.\ c(i+m,t)$)
11. $\neg(n+m = 0)$
12. $\neg(n = 0)$

$\vdash c((n - 1)+m,\text{primrec}((n - 1)+m;b;c)) = c((n - 1)+m,\text{primrec}(n - 1;b';\lambda i,t.\ c(i+m,t)))$
by ((HypSubst (-3) 0)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n
),(first_nat 3:n)) (first_tok SupInf:t) inil_term)))·

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http://www.nuprl.org/FDLcontent/p0_963683_/p122_108670_{primrec_add}2_1_1_1_1.html