

Inference at * 2 1
of proof for Lemma primrec_add:

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1. T : Type
2. n : ℤ
3. 0 < n
4. ∀m:ℕ, b:T, c:({0..(n - 1)+m}⁻}→T→T).
   primrec((n - 1)+m;b;c) = primrec(n - 1;primrec(m;b;c);λi,t. c(i+m,t))
5. m : ℕ
6. b : T
7. c : {0..(n+m)⁻}→T→T
8. primrec((n - 1)+m;b;c) = primrec(n - 1;primrec(m;b;c);λi,t. c(i+m,t))
⊢ primrec(n+m;b;c) = primrec(n;primrec(m;b;c);λi,t. c(i+m,t))
  by ((((((MoveToConcl (-1))
    CollapseTHEN (GenConcl primrec(m;b;c) = b'))·)
      CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok
        SupInf:t) inil_term))))·)·)
    CollapseTHEN (Try ((ExtWith ['z'] [{0..(n+m)⁻}→T→T])

      CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok
        SupInf:t) inil_term))))·)·)

1:
8. b' : T
9. primrec(m;b;c) = b'
10. primrec((n - 1)+m;b;c) = primrec(n - 1;b';λi,t. c(i+m,t))
⊢ primrec(n+m;b;c) = primrec(n;b';λi,t. c(i+m,t))
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