Inference at ∗
 of proof for Lemma nat_plus_inc:

⊢ $\mathbb{N}^+ \subseteq \mathbb{N}$
  by (without_lemmas “nat_plus_inc_nat“ ((Unfold ‘subtype‘ 0)
  CollapseTHEN (
    (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)))·
)

    .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_94513_{nat_plus_inc}.html