

Inference at \*  
of proof for Lemma nat\_plus\_inc:

```
⊢ ℕ+ ⊆ 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))))
)
```