

Inference at * 2
of proof for Lemma length_of_not_nil:

1. $A : \text{Type}$
 2. $u : A$
 3. $v : A \text{ List}$
 4. $\neg([u / v] = [])$
- $\vdash (\|v\|+1) \geq 1$
by (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok SupInf:t)
) inil_term)

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