Inference at $*$ 1
of proof for Lemma comp_assoc:

1. A : Type
2. B : Type
3. C : Type
4. D : Type
5. f : $A \rightarrow B$
6. g : $B \rightarrow C$
7. h : $C \rightarrow D$

$\vdash$ $(\lambda x.h(g(f(x)))) = (\lambda x.h(g(f(x))))$
by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)

.