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

1. A : Type
2. B : Type
3. Q : $A \to B \to \mathbb{P}$
4. g : $x{:}A \to y{:}B \times Q(x,y)$
5. x : A
6. y_1 : B
7. y_2 : $Q(x,y_1)$
8. $<y_1, y_2> = g(x)$

$\vdash Q(x,(g(x)).1)$
 by ((RevHypSubst 8 0)
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 3:n)) (first_tok :t) inil_term)))·

 1:

 $\vdash Q(x,<y_1, y_2>.1)$
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