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

1. A : Type
2. B : A→Type
3. Q : x:A→$B(x)$→Type
4. g : x:A→y:$B(x)$ × $Q(x,y)$
5. x : A

⊢$Q(x,(g(x)).1)$
 by ((With x (D 4))
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 4:n)) (first_tok :t) inil_term)))·

 1:

 6. y : y:$B(x)$ × $Q(x,y)$
 7. $y = g(x)$
 ⊢ $Q(x,(g(x)).1)$
 .