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. $y = g(x)$

⊢ $Q(x,(g(x)).1)$

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