Inference at $*$ 1 1 1 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. $x$ : $A$
6. $y_1$ : $B(x)$
7. $y_2$ : $Q(x,y_1)$
8. $<y_1, y_2> = g(x)$

⊢$Q(x,<y_1, y_2>.1)$
 by ((AbReduce 0)
 CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
 4:n)) (first_tok :t) inil_term)))·

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