

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

1. $A : \text{Type}$
2. $B : A \rightarrow \text{Type}$
3. $Q : x:A \rightarrow B(x) \rightarrow \text{Type}$
4. $g : x:A \rightarrow y:B(x) \times Q(x,y)$
5. $x : A$
6. $y_1 : B(x)$
7. $y_2 : Q(x,y_1)$
8. $\langle y_1, y_2 \rangle = g(x)$

$\vdash Q(x, \langle y_1, y_2 \rangle.1)$
by ((AbReduce 0)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
4:n)) (first_tok :t) inil_term)))
.