

Inference at * 1 1
of proof for Lemma ax_choice:

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1. A : Type
2. B : Type
3. Q : A → B → ℙ
4. x:A→y:B × Q(x,y)
⊢ ∃ f:A→B. (∀ x:A. Q(x,f(x)))
  by ((((((With λz.(g(z)).1 (D 0))
    CollapseTHENM (D 0)).)
    CollapseTHENM (Reduce 0)).)

```

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CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

```

1:

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5. x : A
⊢ Q(x,(g(x)).1)
.

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