Chapters

Basics

- Introduction
- Enumerated Types
 - Days of the Week
 - Booleans
 - Function Types
 - Numbers
- Proof by Simplification
- Proof by Rewriting
- Proof by Case Analysis
- More Exercises
- More on Notation (Advanced)

Induction

- Naming Cases
- Proof by Induction
- Proofs within Proofs
- More Exercises
- Formal vs. Informal Proof (Advanced)

Lists

- Pairs of Numbers
- Lists of Numbers
 - Bags via Lists
- Reasoning about Lists
 - Micro-Sermon
 - Induction on Lists
 - SearchAbout
- Options
- Dictionaries

Poly

- Polymorphism
 - Polymorphic Lists
 - * Type Annotation Inference
 - * Type Argument Synthesis
 - * Implicit Arguments
 - Polymorphic Pairs
 - Polymorphic Options
- Functions as Data
 - Higher-Order Functions
 - Partial Application
 - Digression: Currying
 - Filter
 - Anonymous Functions
 - Map
 - Map for options
 - Fold
 - Functions for Constructing Functions
- The unfold Tactic
- Additional Exercises

MoreCoq

- The apply Tactic
- The apply ... with ... Tactic
- The inversion Tactic
- Using Tactics on Hypotheses
- Varying the Induction Hypothesis
- Using destruct on Compound Expressions
- Review
- Additional Exercises

Progression

Tactic	Chapter	Line
reflexivity	Basics	141
simpl	Basics	141
intros	Basics	649
rewrite	Basics	709
admit	Basics	741
destruct (var)	Basics	805
induction	Induction	194
assert	Induction	312
replace	Induction	564
unfold	Poly	1072
fold	Poly	1110
apply	MoreCoq	39
symmetry	MoreCoq	97
apply with	MoreCoq	165
inversion	MoreCoq	217
in	MoreCoq	339
generalize dependent	MoreCoq	602
destruct (expr)	MoreCoq	848
destruct (eqn:)	MoreCoq	946

Syntax	Chapter	Line
Inductive	Basics	70
Definition	Basics	86
match	Basics	87
Eval	Basics	108
Example	Basics	131
Proof / Qed	Basics	141
Check	Basics	284
Fixpoint	Basics	412
Notation	Basics	519
Theorem	Basics	625
Admitted	Basics	741
Case	Induction	29
SearchAbout	Lists	726
if	Lists	1002
Argument	Poly	284

Alphabetical

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