[Front matter]
[Chapter A
[Chapter B]

Appendices
[Appendix A
[Appendix B]

These brackets indicate blocks which contain multiple components. Each block is described on a separate sheet.

At the top level, the book is mostly a succession of chapters. All you need to do is add or rearrange chapters.

Implicit dependencies X

How to write due to dependency graph in advance.

Chapter |
Intro Chapter title Acronym The "components" of a Chapter. Other blocks contained within a chapter. [Section Except for some identifying material and an introduction, a Chapter is just a succession of Sections.

Rob puts exercises at the end of each Section, not at the end of the Chapter.

belongs to the hour

	Section
Section Acronym Section title	
Intro	
[ Theorem # Definition   Example   Textblick   Su	bsection
g.	

[Reading Questims [Exercises

All sections start in a particular way and end in a particular way. In between there are 5 types of blocks which can occur -- any number of them in any order.

A block exists as a unit. When you move or rearrange items in a document, it is a block that you are moving. It makes no sense to move only one component of a block, or to export part of a block to another document (unless it is a block itself).

However, edit-in-place for each component would be nice.

belongs to a chapter

Preamble

Theorem [Acronym]

Theorem title

Statement

Prist

The proof

Postscapt

In Rob's book, proofs always immediately follow the statement of a theorem. Other books (at least occasionally) separate the proof from the statement. Also, other books tend to have lemmas, propositions, and corollaries. Allowing other theorem-like blocks is easy: just have theorem/lemma/proposition/corollary as one of the parameters of the block. Separating the proof from the theorem takes more thought.

belongs to a sector or subsection

	Definition
1	

Proguble

Definition I Acronyon

The definition.

(use \terms ne tem?)

Postscapt

belong to a section or subsection

E	Xam	ple
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Pramble

Example TACronym

Example title

The example

postsonet

belong hasecting with subsection

A block of text

Textblock

This is not really part of Rob's structure, but I have attached a hidden property to a block of text. The idea is that a several pages of straight text may actually cover a few different ideas. By grouping the material into a few separate text blocks (which have descriptive names), organizing, editing, and rearranging is easier. So, a text block could contain more than one paragraph.

If you look at Rob's Section PEE, after the Proof of Theorem HMRE there is a postscript followed by two paragraphs. Those are TWO text blocks. I leave it as an exercise to determine reasonable descriptions for them.

belongs to a section, subsection, --

Subsection | Acronyon

Subsection title

Intro

I Theorem | Definition || Example 11 Textblock

Belongs to a section

Reading Questions

Reading questions

Equestion Equestion Equeston

guestion

number

Statement

belongs to a section

Exercises

[Exercise | Textblock

12.1

Exercises

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Text Execus

Rob actually has something like subsections in his exercise section, for exercises with a similar theme. I haven't actually processed Rob's exercise sections yet, so I got that wrong when I wrote this page.

	Number: L
Contributed by:	I Me
Statement	
	Rob has 3 types of exercises: C, M, and T. He numbers them with human-generated numbers (not sequentially) because he wants permanent numbers across editions. So there are gaps which can be filled later.
Antor Solution	Note also that he has "solutions," not "answers."  I don't know if Rob uses identifiers or name-strings for the "contributed by" field. Identifiers would be better.

belongs to a section