Chapter 1

Loops

1.1   List based loops

The sun is rising.The sun is shining.The sun is setting.

1.2   Range based loops

135

1.3   Loops using repeat

1 3 5 7 9

Chapter 2

Arrays

Basics taken from topskip on SO (https://stackoverflow.com/questions/2647674/does-▮
latex-have-an-array-data-structure). Array implementation ex-
pands on this in a more generic way.

2.1 Declaration

2.2 Access hardcoded

myfirstelement

2.3   Access using variable

mysecondelement

2.4   Stack

2.4.1   Looping over it

- first item

- second item

- third item

2.4.2   Pushing and popping

third item
second item
fith item
fourth item

2.4.3   Looping over it (again)

- first item

Chapter 3

Map

3.1   Simple test

Content of newmap

- first test string
- second test string

3.2   Collision

Content of collisionmap

- one
- two

- new

- four

- three

Content of collisionmap

- one

- new

- four

- three

new value

Chapter 4

Context

Content of Formulas

Content of Alice

4.1 Formula

This section introduces the pythagorean theorem.

Content of Formulas

- pythagorean theorem

4.2   Hutmacher

Alice received a beautiful hat from the Hutmacher.

Content of Alice

- beautiful hat

4.3   Big Bad Bear

Unfortunately the big bad bear stole Alice's beautiful hat.

Content of Alice

- does not like the bear

4.4   What happened so far

Content of Alice

- does not like the bear

Content of Formulas

- pythagorean theorem