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

3

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**
- three
- one

- two

- new

- four

- **Content of collisionmap**

- three

- one

- new

- four

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