# Contents

# 1 Building Abstractions with Procedures

**Definition (computational process)**
Abstract beings that inhabit computers.

**Definition (data)**
Computational processes manipulate other abstract things called **data** as they evolve.

**Definition (program)**
A pattern of rules by which the evolution of a computational process is directed.

**Definition (programming language)**
That in which programs are carefully composed from symbolic expressions that prescribe the tasks we want our computational processes to perform.

**Definition (bug, glitch)**
Small errors.

**Definition (debug)**
Remove bugs.

**Programming in Lisp**

See the appendix.

# Appendix

# A    Notes on LISP

## A.1    *Recursive Functions of Symbolic Expressions and Their Computation by Machine*, McCarthy 1960

LISP: "LISt Processor", developed for the IBM 704 computer by the Artificial Intelligence group at M.I.T.

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