Bachelor Project in Compiler Construction

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Report from group GROUPNUMBER:
STUDENT1, STUDENT2, STUDENT3

1 Introduction

1.1 Clarifications

1.2 Limitations

1.3 Extensions

1.4 Implementation Status

2 Parsing and Abstract Syntax Trees

2.1 The Grammar

2.2 Use of the `flex` Tool

2.3 Use of the `bison` Tool

2.4 Abstract Syntax Trees

2.5 Syntactic Sugar

2.6 Weeding

2.7 Test

3 The Symbol Table

3.1 Scope Rules

3.2 Symbol Data

3.3 The Algorithm

3.4 Test

4 Type Checking

4.1 Types

4.2 Type Rules

4.3 The Algorithm

4.4 Test

5 Resource Computations

5.1 Resources

5.2 The Algorithm

A Source Code