Contents

Exercise 1.1

Exercise 1.2

Exercise 1.1

In below expressions, the result printed by the interpreter is given. It's assumed that the sequence is to be evaluated in the order they are presented.

```
10
10
(+534)
12
(- 9 1)
(/62)
3
(+ (* 2 4) (- 4 6))
(define a 3)
implementation dependent a = 3
(define b (+ a 1))
implementation dependent b = 4
(+ a b (* a b))
19
(= a b)
false
(if (and (> b a) (< b (* a b)))
    a)
4
(cond ((= a 4) 6)
      ((= b 4) (+ 6 7 a))
      (else 25))
16
(+ 2 (if (> b a) b a))
6
(* (cond ((> a b) a)
         ((< a b) b)
         (else -1)
    (+ a 1)
```

16

Exercise 1.2

Tanslation of the following expression into prefix notation

$$\frac{5+4+(2-(3-(6+\frac{4}{5})))}{3(6-2)(2-7)}$$