Contents

Exercise 1.1	1
Exercise 1.2	2
Exercise 1.3	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
(-91)
(/ 6 2)
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)
(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

Translation of the following expression into prefix notation

Exercise 1.3

Definition of a procedure that takes three numbers as arguments and returns the sum of the squares of the two larger numbers.