

Project 1 2024 - see also [project description and marking rubric](#)

The *m/* syntax

| means a choice
[...] means zero or one
(...)* means zero or more

Program lines commence at the left-hand margin (no indentation).

Statements forming the body of a function are indented with a single *tab*.

```
program:
    ( program-item )*

program-item:
    statement
    | function identifier [ identifier ( "," identifier )* ]
      ←-tab→ statement1
      ←-tab→ statement2
      ....

statement:
    identifier "<-" expression
    | print expression
    | return expression
    | functioncall

expression:
    term [ ("+" | "-") expression ]

term:
    factor [ ("*" | "/" ) term ]

factor:
    realconstant
    | identifier
    | functioncall
    | "(" expression ")"

functioncall:
    identifier "(" [ expression ( "," expression )* ] ")"
```