Opgave 3.3 og 3.4 - Programmer som data

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1 Exercise 3.3

Expr EOF (**rule A**)
LET NAME EQ Expr IN Expr END EOF (**rule F**)
LET NAME EQ Expr IN Expr **TIMES** Expr END EOF (**rule G**)
LET NAME EQ Expr IN Expr TIMES **CSTINT**(3) END EOF (**rule C**)
LET NAME EQ Expr IN Expr **PLUS** Expr TIMES CSTINT(3) END EOF (**rule H**)
LET NAME EQ Expr IN Expr PLUS **CSTINT**(2) TIMES CSTINT(3) END EOF (**rule C**)
LET NAME EQ Expr IN **NAME**(z) PLUS CSTINT(2) TIMES CSTINT(3) END EOF (**rule B**)
LET NAME EQ **LPAR Expr RPAR** IN NAME(z) PLUS CSTINT(2) TIMES CSTINT(3) END EOF (**rule E**)
LET NAME EQ LPAR **CSTINT**(17) RPAR IN NAME(z) PLUS CSTINT(2) TIMES CSTINT(3) END EOF (**rule C**)

2 Exercise 3.4

```
                                          Main
                               Expr                      EOF

        LET   NAME   EQ      Expr       IN        Expr        END

                          LPAR  Expr  RPAR              Expr      TIMES  Expr

                                CSTINT              Expr  PLUS  Expr      CSTINT

                                                    NAME        CSTINT

        let    z     =    (    17    )    in    z    +    2    *    3    end   EOF
```