

(\* The start of a nix expression \*)

**Expression** →

( *ExpressionNoAssignment* | *Assignment* )

**ExpressionNoAssignment** →

( *Attrset* | *Function* | *Arithmetic* )

(\* Expression of an attrset \*)

**Attrset** →

[ *let-in* ] { { *Assignment* } }

(\* Let in \*)

(\* (*let* *a* = 5; *in* ... \*) \*)

**let-in** →

*let* { *Assignment* } *in*

(\* An assignment \*)

(\* (*a* = 5; \*) \*)

**Assignment** →

[ *let-in* ] ? someIdentifier ? ` = ` *ExpressionNoAssignment* ;

(\* A string, integer or float \*)

**Primary** →

( ? string ? | ? integer ? | ? float ? | `true` | `false` )

(\* A function \*)

(\* (*input*: *output* \*) , \*)

**Function** →

[ *let-in* ] ? InputIdentifier ? ` : ` [ *let-in* ] *ExpressionNoAssignment* ;

**Arithmetic** →

*ArithmeticOrPrimary* { ( ` - ` | ` + ` | ` \* ` | ` / ` ) *ArithmeticOrPrimary* }

**ArithmeticOrPrimary** →

( *Primary* | ( ` ( ` *Arithmetic* ` ) ` ) )