

```

(* 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 ` ) ` ) )

```