





Scheme Scheme

Scheme

Lisp "" Scheme "S" "Scheme "Lisp "Scheme" "Lisp"

Scheme Lisp "S"S-expression

"""abstract syntax treeAST"""parse

unun

Lisp Scheme FortranFortran

```
(D '(^ x 2) 'x)
```

D

$$\frac{d}{dx}(x^2)$$

```
d dx x
Lisp SICPLisp
""scope"" x x..... C++ "namespace"
HaskellMLCoqAgda"" Coq Agda "mixfix" ""
Lisp C Pascal Lisp Lisp (+ 10 (if test 1 2)) C C test? 1:2 Lisp if Lisp C Lisp JavaScriptnode.js
S"" Haskell "" case
case x
 Short _ -> 1
 Haskell
case x
 Short
 S
(case x
 (-> (Short _) 1)
 anan
(case x
 "" Lisp case
Lisp "" JavaLisp
```