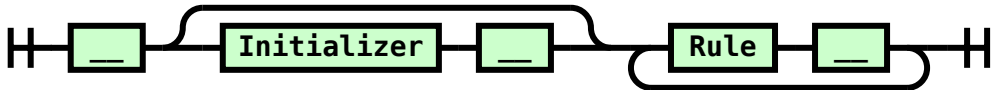# MAL

Micro Animation Language using PEG.js

Syntax diagrams

Grammar

Referring: Initializer   Rule   __
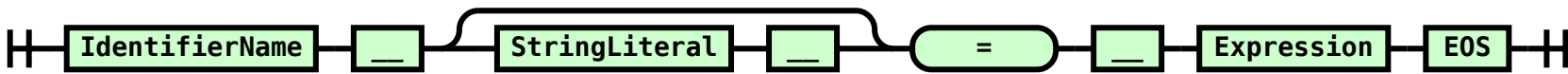
Used by: Not used by other rules

Initializer

Referring: CodeBlock   EOS

Used by: Grammar

Rule

Referring: EOS   Expression   IdentifierName   StringLiteral   __
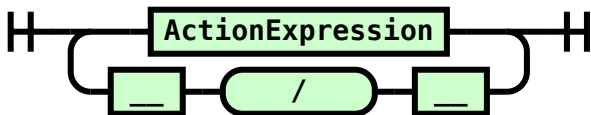
Used by: Grammar

Expression

Referring: ChoiceExpression

Used by: PrimaryExpression   Rule

ChoiceExpression

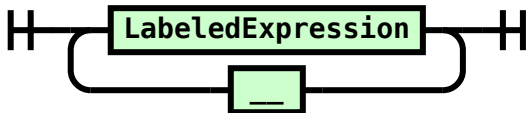Referring: ActionExpression   __

Used by: Expression

ActionExpression

Referring: CodeBlock   SequenceExpression   __

Used by: ChoiceExpression

SequenceExpression

Referring: LabeledExpression   __
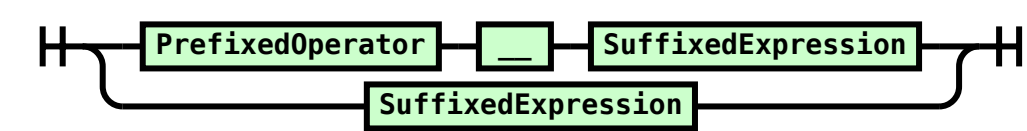
Used by: ActionExpression

LabeledExpression
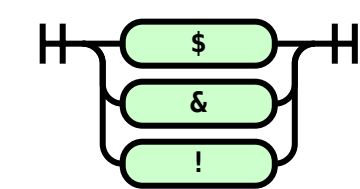

Referring: Identifier   PrefixedExpression   __
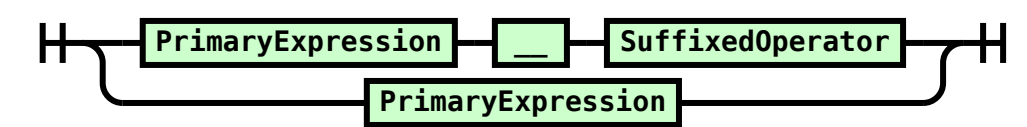
Used by: SequenceExpression

PrefixedExpression

Referring: PrefixedOperator   SuffixedExpression   __
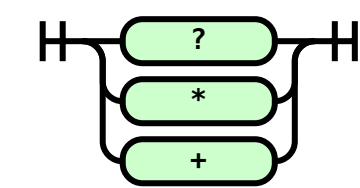
Used by: LabeledExpression

PrefixedOperator

Referring: No reference to other rules
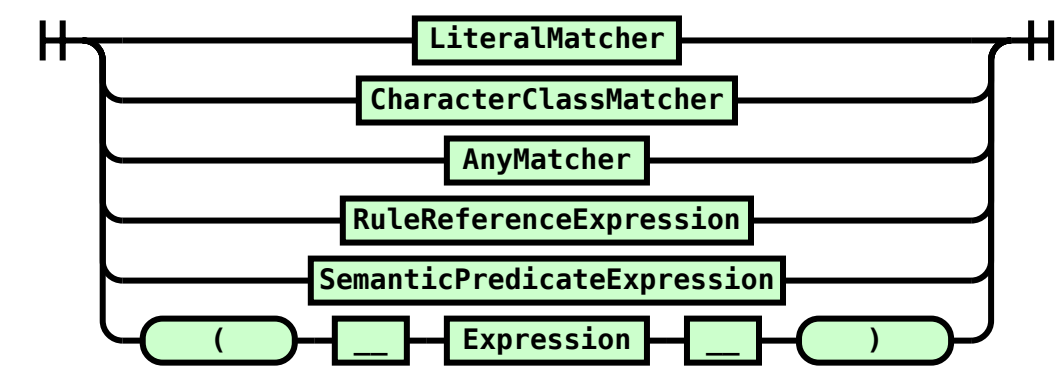
Used by: PrefixedExpression

SuffixedExpression

Referring: PrimaryExpression   SuffixedOperator   __
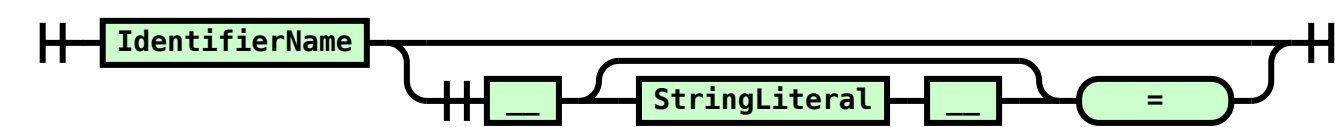
Used by: PrefixedExpression

SuffixedOperator

Referring: No reference to other rules
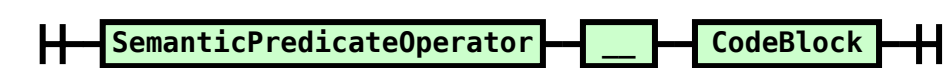
Used by: SuffixedExpression

PrimaryExpression

Referring: AnyMatcher   CharacterClassMatcher   Expression   LiteralMatcher   RuleReferenceExpression   SemanticPredicateExpression   __

Used by: SuffixedExpression

RuleReferenceExpression
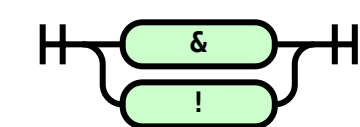

Referring: IdentifierName   StringLiteral   __

Used by: PrimaryExpression

SemanticPredicateExpression

Referring: CodeBlock   SemanticPredicateOperator   __

Used by: PrimaryExpression

SemanticPredicateOperator

Referring: No reference to other rules
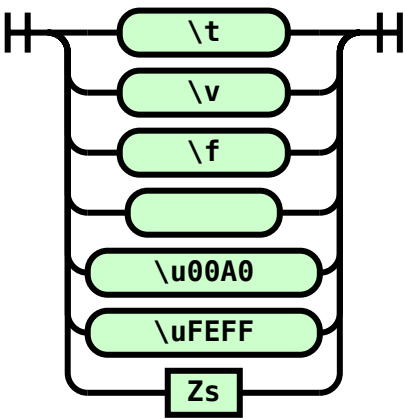
Used by: SemanticPredicateExpression

SourceCharacter

[any character]

Referring: No reference to other rules

Used by: ClassCharacter   Code   DoubleStringCharacter   MultiLineComment   MultiLineCommentNoLineTerminator
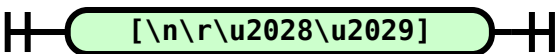NonEscapeCharacter   SingleLineComment   SingleStringCharacter

WhiteSpace

\t
\v
\f
[ ]
\u00A0
\uFEFF
Zs

Referring: Zs

Used by: _   __

LineTerminator

[\n\r\u2028\u2029]
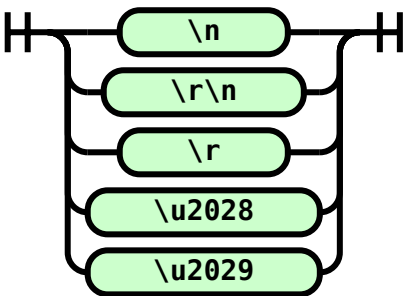
Referring: No reference to other rules

Used by: ClassCharacter   DoubleStringCharacter   MultiLineCommentNoLineTerminator   NonEscapeCharacter   Single
LineComment   SingleStringCharacter

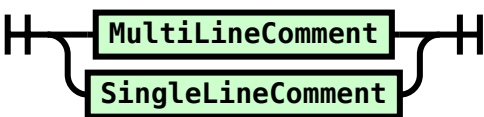## LineTerminatorSequence

\n
\r\n
\r
\u2028
\u2029

Referring: No reference to other rules

Used by: EOS   LineContinuation   __

Comment

MultiLineComment
SingleLineComment

Referring: MultiLineComment   SingleLineComment

Used by: __

MultiLineComment
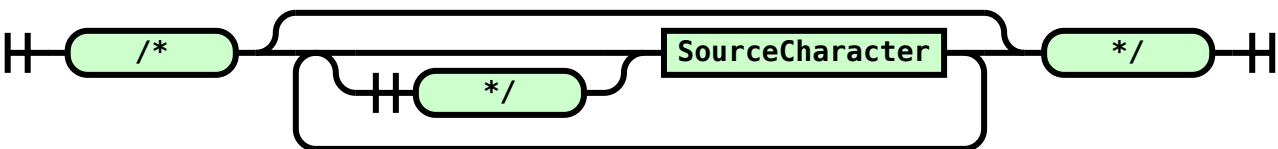
/*   */   SourceCharacter   */

Referring: SourceCharacter

Used by: Comment

MultiLineCommentNoLineTerminator

/*   */   SourceCharacter   */
LineTerminator
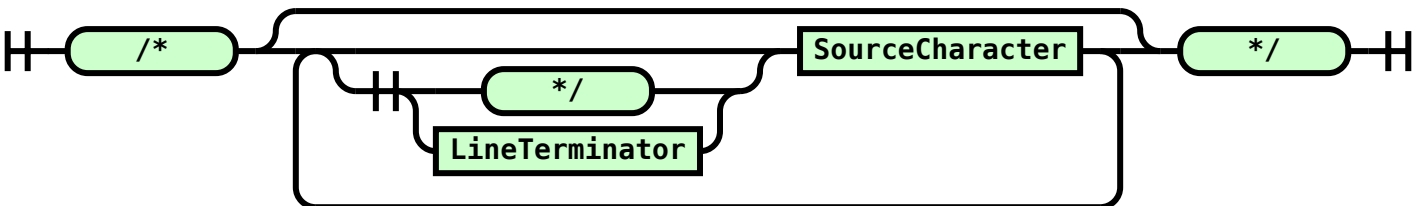
Referring: LineTerminator   SourceCharacter

Used by: _

SingleLineComment

//   LineTerminator   SourceCharacter
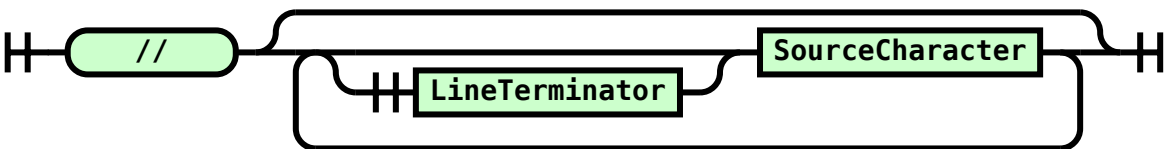
Referring: LineTerminator   SourceCharacter
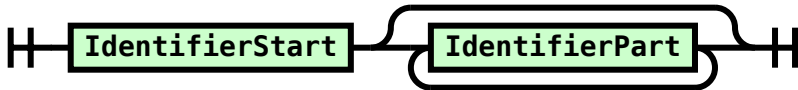
Used by: Comment   EOS

Identifier
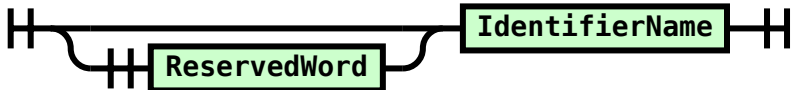
Referring: IdentifierName   ReservedWord
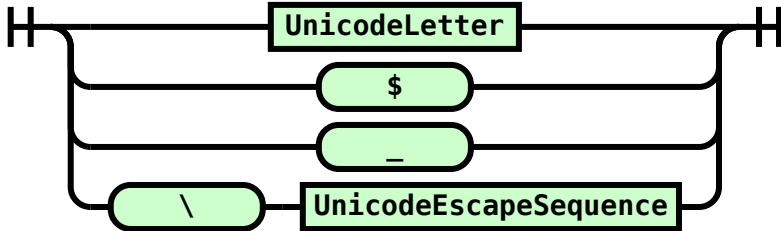
Used by: LabeledExpression

IdentifierName

Referring: IdentifierPart   IdentifierStart

Used by: Identifier   Rule   RuleReferenceExpression

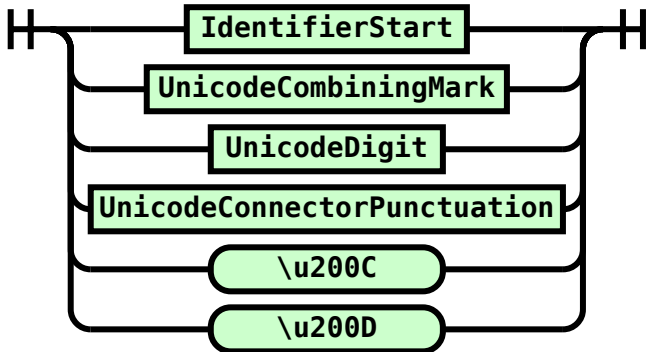## IdentifierStart

Referring: UnicodeEscapeSequence   UnicodeLetter

Used by: IdentifierName   IdentifierPart
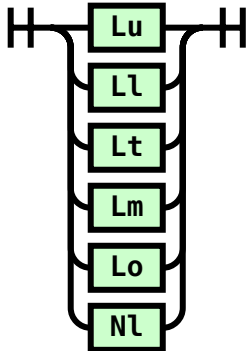
IdentifierPart

Referring: IdentifierStart   UnicodeCombiningMark   UnicodeConnectorPunctuation   UnicodeDigit

Used by: BreakToken   CaseToken   CatchToken   ClassToken   ConstToken   ContinueToken   DebuggerToken   DefaultToken   DeleteToken   DoToken   ElseToken   EnumToken   ExportToken   ExtendsToken   FalseToken   FinallyToken   ForToken   FunctionToken   IdentifierName   IfToken   ImportToken   InToken   InstanceofToken   NewToken   NullToken   ReturnToken   SuperToken   SwitchToken   ThisToken   ThrowToken   TrueToken   TryToken   TypeofToken   VarToken   VoidToken   WhileToken   WithToken

UnicodeLetter

Referring: Ll   Lm   Lo   Lt   Lu   Nl

Used by: IdentifierStart

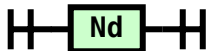## UnicodeCombiningMark
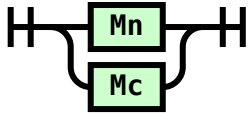
Referring: Mc   Mn

Used by: IdentifierPart

UnicodeDigit
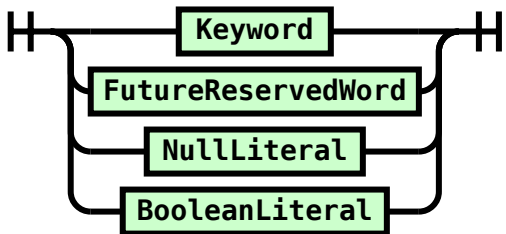

Referring: Nd

Used by: IdentifierPart

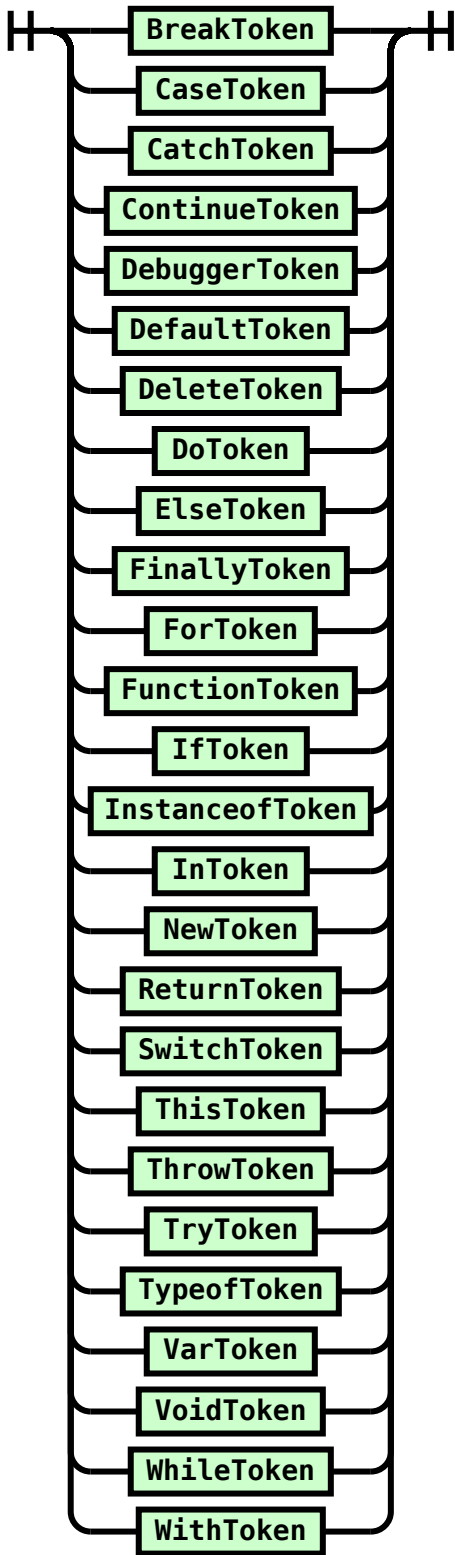## UnicodeConnectorPunctuation
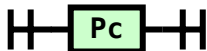
Referring: Pc

ReservedWord

Referring: BooleanLiteral   FutureReservedWord   Keyword   NullLiteral

Used by: Identifier

Keyword

Referring: BreakToken   CaseToken   CatchToken   ContinueToken   DebuggerToken   DefaultToken   DeleteToken   DoTo
ken   ElseToken   FinallyToken   ForToken   FunctionToken   IfToken   InToken   InstanceofToken   NewToken   Ret
urnToken   SwitchToken   ThisToken   ThrowToken   TryToken   TypeofToken   VarToken   VoidToken   WhileTo
ken   WithToken

Used by: ReservedWord

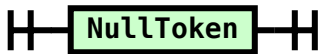## FutureReservedWord
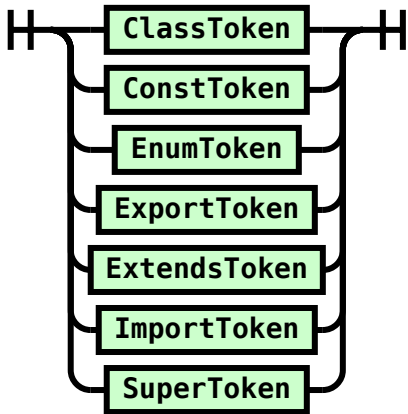
Referring: ClassToken   ConstToken   EnumToken   ExportToken   ExtendsToken   ImportToken   SuperToken

Used by: ReservedWord

NullLiteral

Referring: NullToken

Used by: ReservedWord

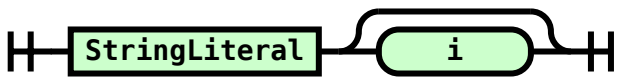## BooleanLiteral
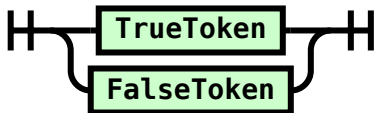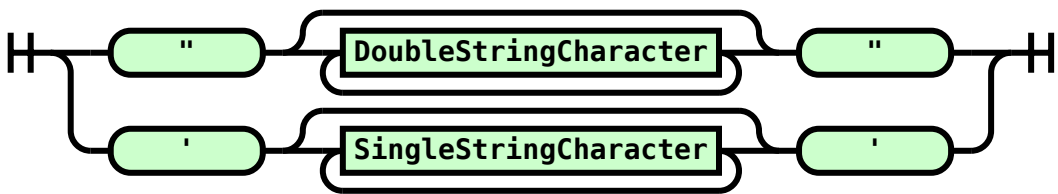

Referring: FalseToken   TrueToken

LiteralMatcher

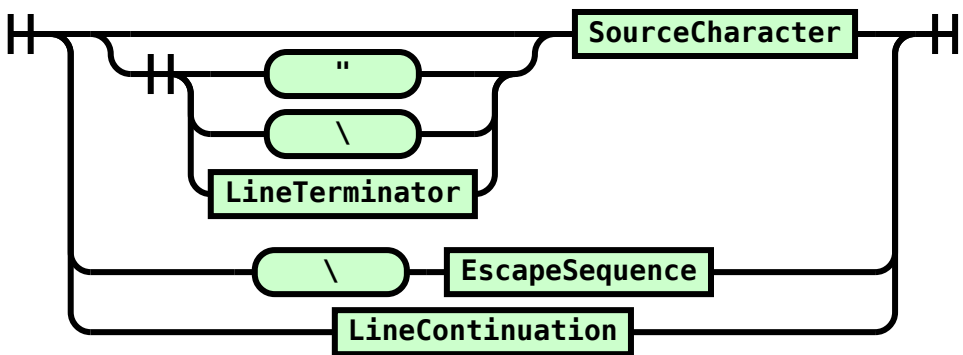Referring: StringLiteral

Used by: PrimaryExpression

StringLiteral

Referring: DoubleStringCharacter   SingleStringCharacter

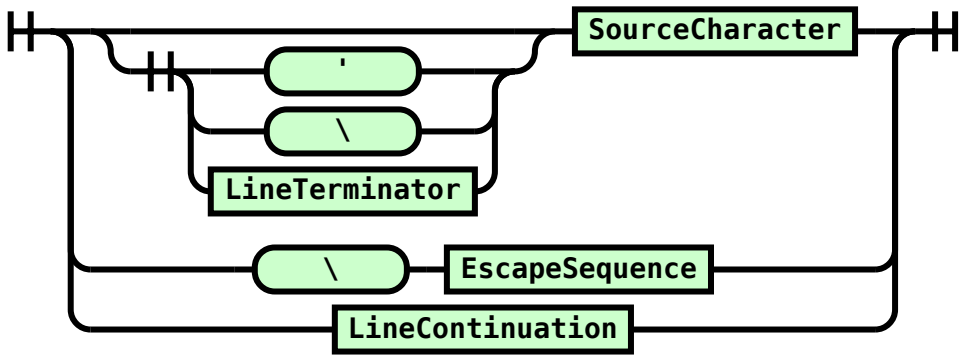Used by: LiteralMatcher   Rule   RuleReferenceExpression

DoubleStringCharacter

Referring: EscapeSequence   LineContinuation   LineTerminator   SourceCharacter
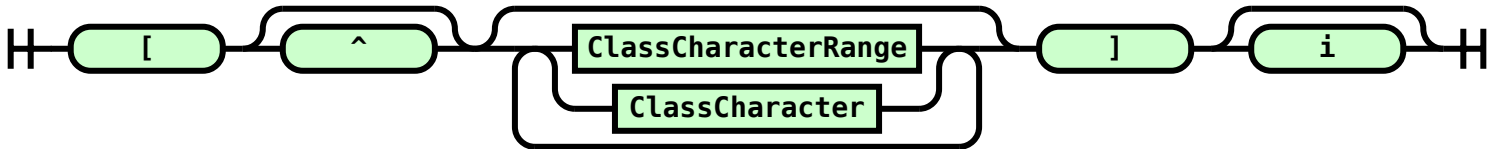
Used by: StringLiteral

SingleStringCharacter

Referring: EscapeSequence   LineContinuation   LineTerminator   SourceCharacter
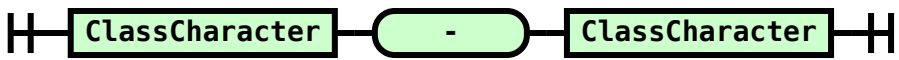
Used by: StringLiteral

CharacterClassMatcher

Referring: ClassCharacter   ClassCharacterRange
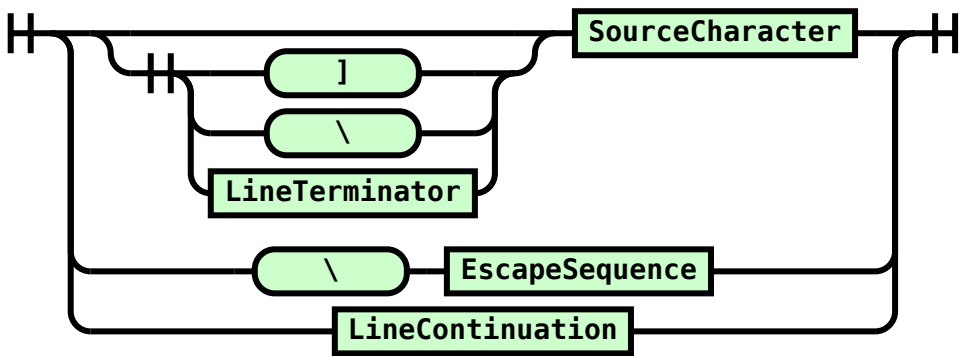
Used by: PrimaryExpression

ClassCharacterRange

Referring: ClassCharacter

Used by: CharacterClassMatcher

ClassCharacter

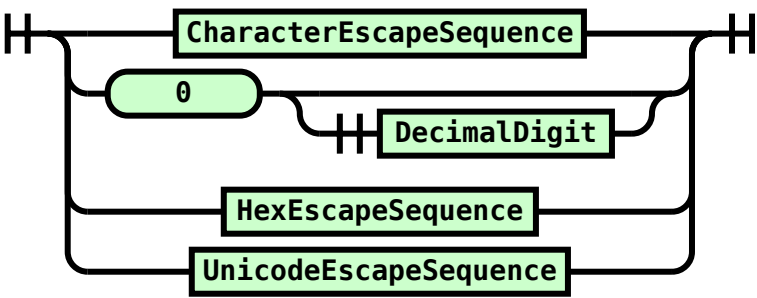Referring: EscapeSequence   LineContinuation   LineTerminator   SourceCharacter

Used by: CharacterClassMatcher   ClassCharacterRange

LineContinuation
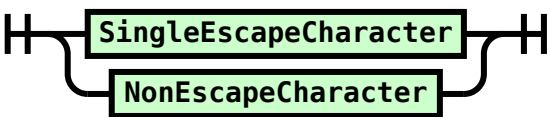
Referring: LineTerminatorSequence

Used by: ClassCharacter DoubleStringCharacter SingleStringCharacter

EscapeSequence

Referring: CharacterEscapeSequence DecimalDigit HexEscapeSequence UnicodeEscapeSequence

Used by: ClassCharacter DoubleStringCharacter SingleStringCharacter
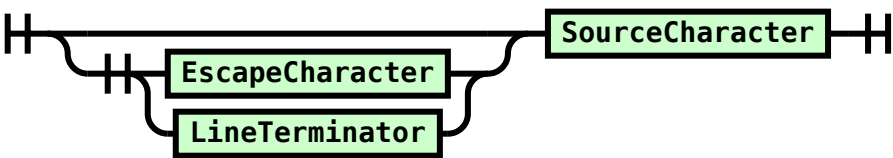
CharacterEscapeSequence

Referring: NonEscapeCharacter SingleEscapeCharacter
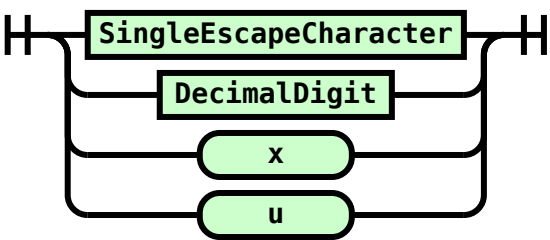
Used by: EscapeSequence

SingleEscapeCharacter
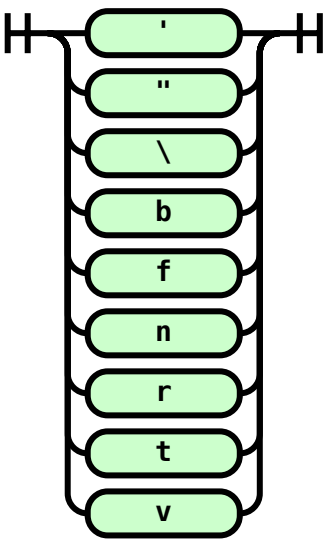
Referring: No reference to other rules

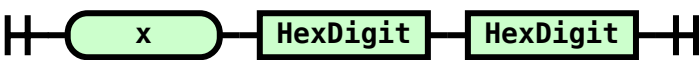Used by: CharacterEscapeSequence EscapeCharacter

NonEscapeCharacter

Referring: EscapeCharacter LineTerminator SourceCharacter
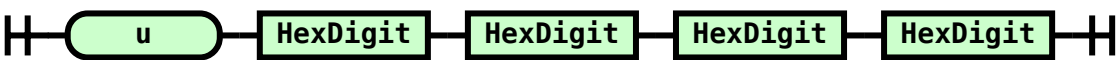
Used by: CharacterEscapeSequence

EscapeCharacter

Referring: DecimalDigit SingleEscapeCharacter

Used by: NonEscapeCharacter

HexEscapeSequence

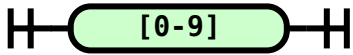Referring: HexDigit
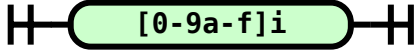
Used by: EscapeSequence

UnicodeEscapeSequence

Referring: HexDigit

Used by: EscapeSequence IdentifierStart

DecimalDigit

```
[0-9]
```
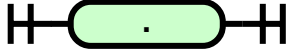
Referring: No reference to other rules

Used by: EscapeCharacter   EscapeSequence
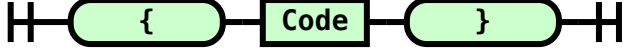
HexDigit

```
[0-9a-f]i
```

Referring: No reference to other rules

Used by: HexEscapeSequence   UnicodeEscapeSequence
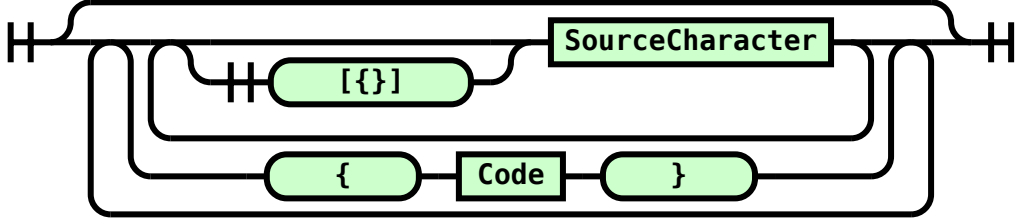
AnyMatcher

```
.
```

Referring: No reference to other rules
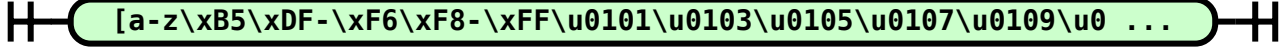
Used by: PrimaryExpression

CodeBlock

```
{   Code   }
```

Referring: Code

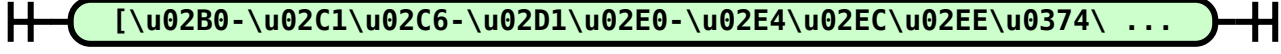Used by: ActionExpression   Initializer   SemanticPredicateExpression

Code

```
SourceCharacter
[{}]
{   Code   }
```

Referring: Code   SourceCharacter

Used by: Code   CodeBlock

Ll

```
[a-z\xB5\xDF-\xF6\xF8-\xFF\u0101\u0103\u0105\u0107\u0109\u0 ...
```

Referring: No reference to other rules

Used by: UnicodeLetter

Lm

```
[\u02B0-\u02C1\u02C6-\u02D1\u02E0-\u02E4\u02EC\u02EE\u0374\ ...
```

Referring: No reference to other rules

Used by: UnicodeLetter

Lo

```
[\xAA\xBA\u01BB\u01C0-\u01C3\u0294\u05D0-\u05EA\u05F0-\u05F ...
```

Referring: No reference to other rules

Used by: UnicodeLetter

Lt

```
[\u01C5\u01C8\u01CB\u01F2\u1F88-\u1F8F\u1F98-\u1F9F\u1FA8-\ ...
```

Referring: No reference to other rules

Used by: UnicodeLetter

Lu

```
[A-Z\xC0-\xD6\xD8-\xDE\u0100\u0102\u0104\u0106\u0108\u010A\ ...
```

Referring: No reference to other rules

Used by: UnicodeLetter

Mc

`[\u0903\u093B\u093E-\u0940\u0949-\u094C\u094E-\u094F\u0982- ...`

Referring: No reference to other rules

Used by: UnicodeCombiningMark

Mn

`[\u0300-\u036F\u0483-\u0487\u0591-\u05BD\u05BF\u05C1-\u05C2 ...`

Referring: No reference to other rules

Used by: UnicodeCombiningMark

Nd

`[0-9\u0660-\u0669\u06F0-\u06F9\u07C0-\u07C9\u0966-\u096F\u0 ...`
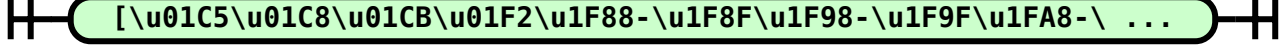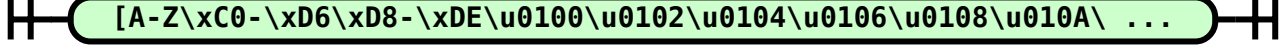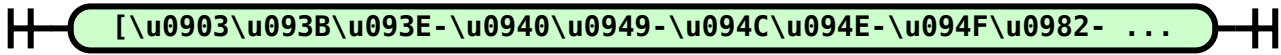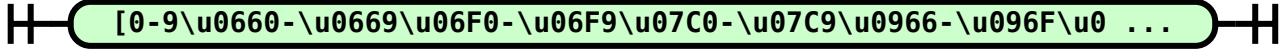
Referring: No reference to other rules

Used by: UnicodeDigit

Nl
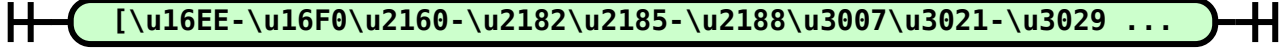
`[\u16EE-\u16F0\u2160-\u2182\u2185-\u2188\u3007\u3021-\u3029 ...`

Referring: No reference to other rules

Used by: UnicodeLetter

Pc

`[_\u203F-\u2040\u2054\uFE33-\uFE34\uFE4D-\uFE4F\uFF3F]`
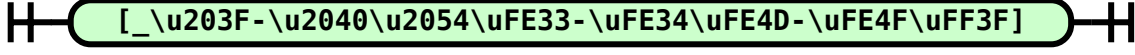
Referring: No reference to other rules

Used by: UnicodeConnectorPunctuation

Zs

`[ \xA0\u1680\u2000-\u200A\u202F\u205F\u3000]`
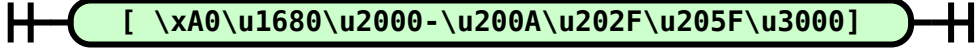
Referring: No reference to other rules

Used by: WhiteSpace

BreakToken

break IdentifierPart
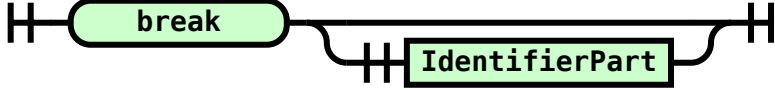
Referring: IdentifierPart

Used by: Keyword

CaseToken

case IdentifierPart
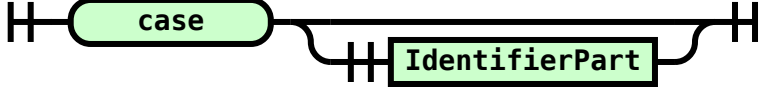
Referring: IdentifierPart

Used by: Keyword

CatchToken

catch IdentifierPart

Referring: IdentifierPart

Used by: Keyword

ClassToken

class IdentifierPart

Referring: IdentifierPart

ConstToken
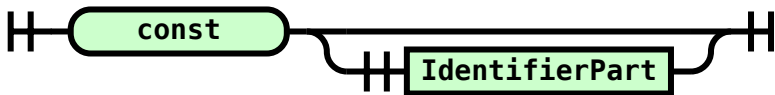
Referring: IdentifierPart
Used by: FutureReservedWord

ContinueToken

Referring: IdentifierPart
Used by: Keyword

DebuggerToken

Referring: IdentifierPart
Used by: Keyword

DefaultToken
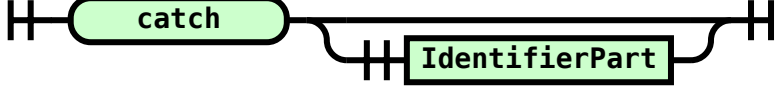

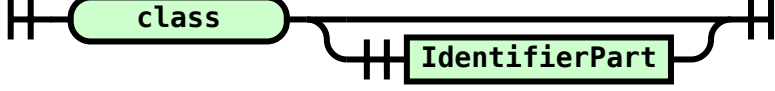Referring: IdentifierPart
Used by: Keyword

DeleteToken
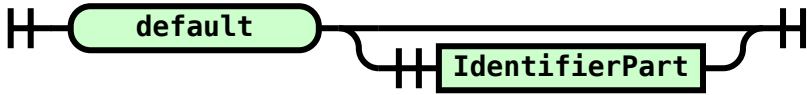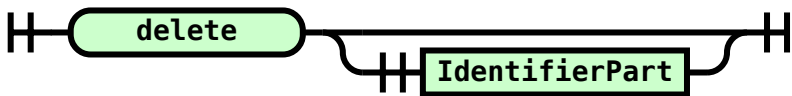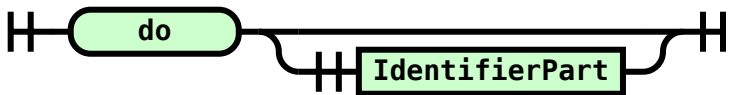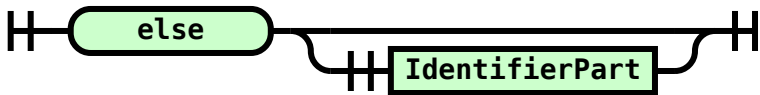

Referring: IdentifierPart
Used by: Keyword

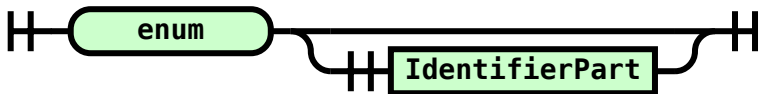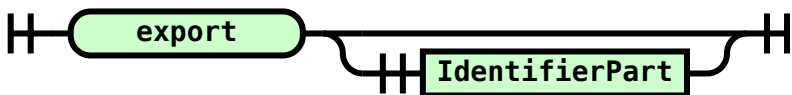## DoToken

Referring: IdentifierPart
Used by: Keyword

ElseToken

Referring: IdentifierPart
Used by: Keyword

EnumToken

Referring: IdentifierPart
Used by: FutureReservedWord

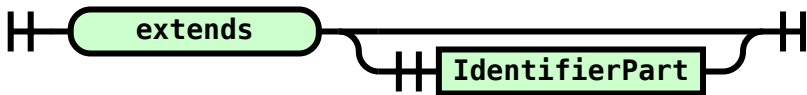## ExportToken

Referring: IdentifierPart

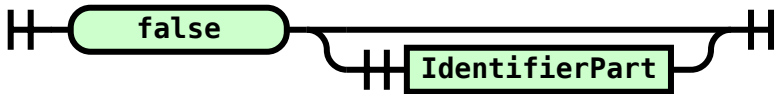## ExtendsToken

Referring: IdentifierPart

Used by: FutureReservedWord

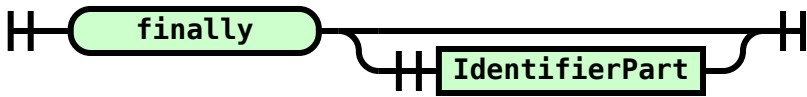## FalseToken

Referring: IdentifierPart
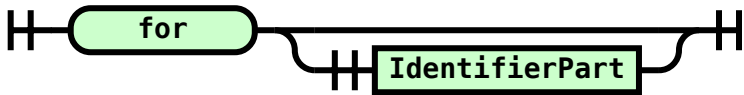
Used by: BooleanLiteral

FinallyToken

Referring: IdentifierPart

Used by: Keyword

ForToken
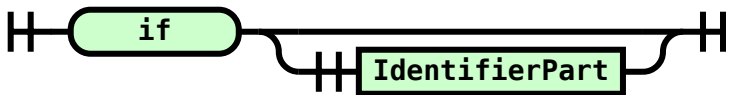

Referring: IdentifierPart

Used by: Keyword

FunctionToken

Referring: IdentifierPart

Used by: Keyword

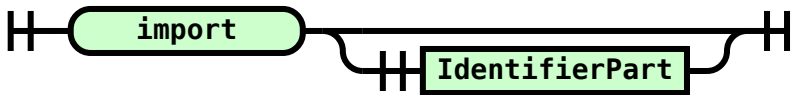## IfToken

Referring: IdentifierPart

Used by: Keyword

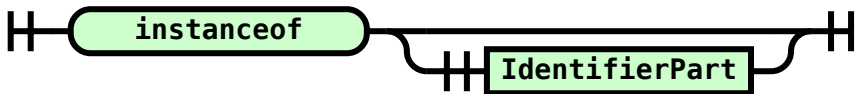## ImportToken

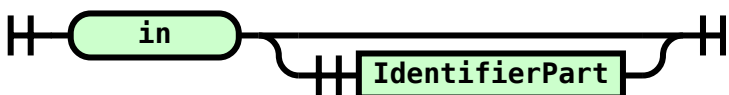Referring: IdentifierPart

Used by: FutureReservedWord

InstanceofToken

Referring: IdentifierPart

Used by: Keyword
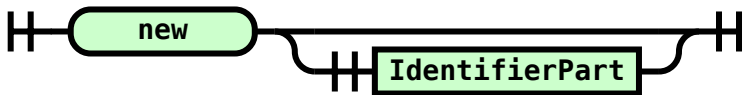
InToken

Referring: IdentifierPart

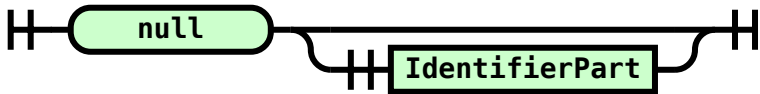## NewToken

Referring: IdentifierPart

Used by: Keyword

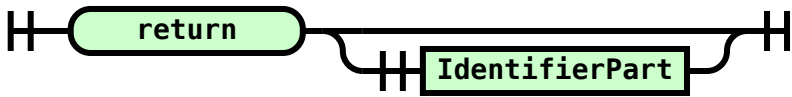## NullToken

Referring: IdentifierPart

Used by: NullLiteral

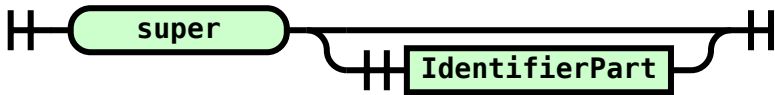## ReturnToken

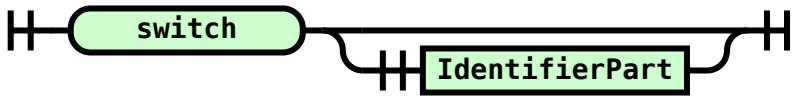Referring: IdentifierPart

Used by: Keyword

SuperToken

Referring: IdentifierPart

Used by: FutureReservedWord

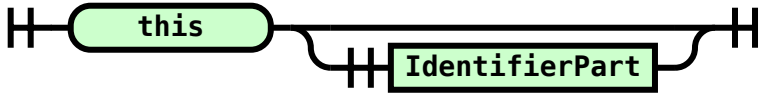## SwitchToken

Referring: IdentifierPart
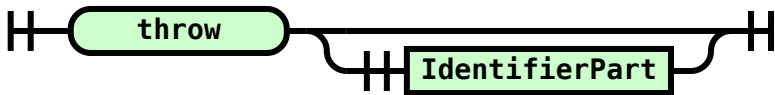
Used by: Keyword

ThisToken

Referring: IdentifierPart

Used by: Keyword

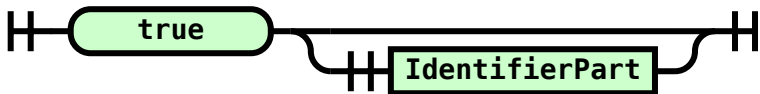## ThrowToken
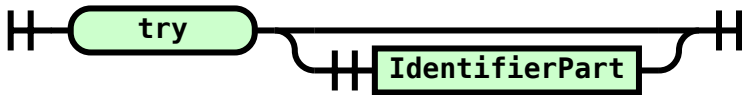

Referring: IdentifierPart

Used by: Keyword

TrueToken

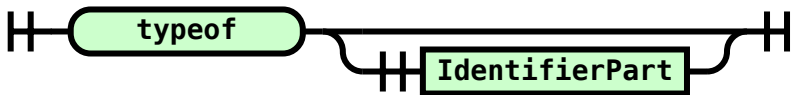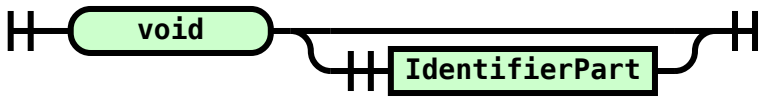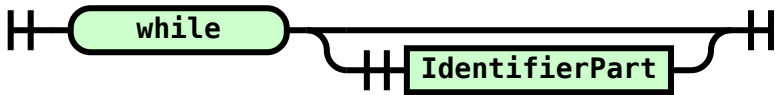Referring: IdentifierPart

Used by: BooleanLiteral

TryToken

Referring: IdentifierPart

TypeofToken

typeof IdentifierPart

Referring: IdentifierPart
Used by: Keyword

VarToken

var IdentifierPart
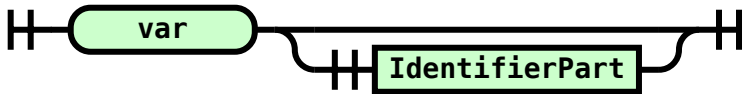
Referring: IdentifierPart
Used by: Keyword

VoidToken

void IdentifierPart

Referring: IdentifierPart
Used by: Keyword

WhileToken

while IdentifierPart

Referring: IdentifierPart
Used by: Keyword

WithToken

with IdentifierPart

Referring: IdentifierPart
Used by: Keyword

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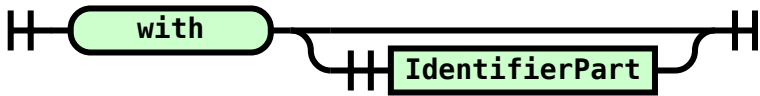
WhiteSpace
LineTerminatorSequence
Comment
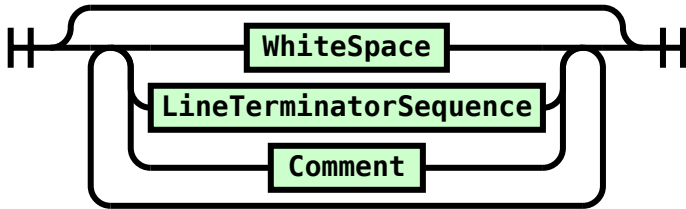
Referring: Comment   LineTerminatorSequence   WhiteSpace
Used by: ActionExpression   ChoiceExpression   EOS   Grammar   LabeledExpression   PrefixedExpression   PrimaryExpression   Rule   RuleReferenceExpression   SemanticPredicateExpression   SequenceExpression   SuffixedExpression
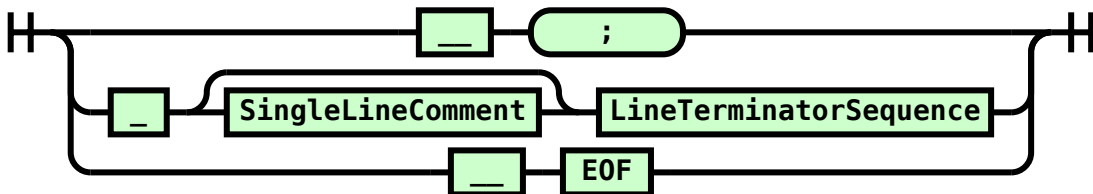
_

WhiteSpace
MultiLineCommentNoLineTerminator

Referring: MultiLineCommentNoLineTerminator   WhiteSpace
Used by: EOS
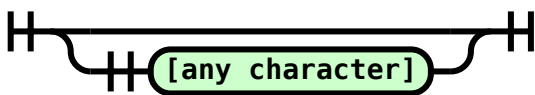
EOS

__ ;
_ SingleLineComment   LineTerminatorSequence
__ EOF

Referring: EOF   LineTerminatorSequence   SingleLineComment   _   __
Used by: Initializer   Rule

EOF

Referring: No reference to other rules

Used by: EOS