

Terminal Symbols:

eof := 0
eol := 1
definingSymbol := 2
metaIdentifier := 3
terminalString := 4
SDFGrammar := 5
Syntax := 6
SyntaxRule := 7
EolLoop := 8
DefinitionsList := 9
Definition := 10

0 *SDFGrammar*:

0 *Syntax*

1 *Syntax*:

1 *Syntax* *SyntaxRule*

2 *SyntaxRule*

2 *SyntaxRule*:

3 metaIdentifier definingSymbol eol *DefinitionsList*

3 *EolLoop*:

4 *EolLoop* eol

5 eol

4 *DefinitionsList*:

6 *DefinitionsList* *Definition* *EolLoop*

7 *Definition* *EolLoop*

5 *Definition*:

8 *Definition* metaIdentifier

9 *Definition* terminalString

10 metaIdentifier

11 terminalString

Shift			Reduce			Goto		
	switch	symbol goto		switch	reduce lookahead		switch	symbol goto
S0	0	0 10 3	S0		0 0 0	S0	0	0 6 1
S1	2	1	S1	0	1	S1	3	1 7 2
S2		2 3 3	S2		2 2 0	S2		2
S3	4	3	S3		3 2 3	S3		3 7 4
S4		4 2 5	S4	5	4	S4		4
S5	6	5	S5		5 1 0	S5		5 9 7
S6	8	6 1 6	S6		6 1 3	S6	5	6 10 8
S7	11	7	S7	8	7	S7	8	7
S8	14	8 3 9	S8		8 3 0	S8	10	8 10 11
S9		9 4 10	S9	11	9 3 3	S9		9
S10		10	S10	15	10	S10		10 8 12
S11	18	11 3 9	S11		11 10 0	S11	12	11
S12	22	12 4 10	S12	19	12 10 3	S12		12 8 16
S13		13	S13	23	13 10 4	S13		13
S14		14 3 13	S14	27	14	S14		
S15		15 4 14	S15	31	15 11 0	S15		
S16	24	16 1 15	S16	36	16 11 3	S16		
S17		17	S17	40	17 11 4	S17		
		18 3 13			18			
		19 4 14			19 7 0			
		20 1 15			20 7 3			
		21			21 7 4			
		22 1 17			22			
		23			23 8 1			
		24 1 17			24 8 3			
		25			25 8 4			
					26			
					27 9 1			
					28 9 3			
					29 9 4			
					30			
					31 5 0			
					32 5 1			
					33 5 3			
					34 5 4			
					35			
					36 6 0			
					37 6 3			
					38 6 4			
					39			
					40 4 0			
					41 4 1			
					42 4 3			
					43 4 4			
					44			

$$S_0 = V(\varepsilon)$$

I: $[SDFGrammar \rightarrow \cdot Syntax$, eof] *goto*(S_1)
 $[Syntax \rightarrow \cdot Syntax SyntaxRule$, eof|metaIdenfitier] *goto*(S_1)
 $[Syntax \rightarrow \cdot SyntaxRule$, eof|metaIdenfitier] *goto*(S_2)
 $[SyntaxRule \rightarrow \cdot metaIdenfiter\ definingSymbol\ eol\ DefinitionsList$, eof|metaIdenfitier] *goto*(S_3) *shift*

$$S_1 = V(Syntax)$$

I: $[SDFGrammar \rightarrow Syntax \cdot$, eof] *reduce*(R_0)
 $[Syntax \rightarrow Syntax \cdot SyntaxRule$, eof|metaIdenfitier] *goto*(S_4)
 $[SyntaxRule \rightarrow \cdot metaIdenfiter\ definingSymbol\ eol\ DefinitionsList$, eof|metaIdenfitier] *goto*(S_3) *shift*

$$S_2 = V(SyntaxRule)$$

I: $[Syntax \rightarrow SyntaxRule \cdot$, eof|metaIdenfitier] *reduce* R_2

$$S_3 = V(metaIdenfiter)$$

I: $[SyntaxRule \rightarrow metaIdenfiter \cdot definingSymbol\ eol\ DefinitionsList$, eof|metaIdenfitier] *goto*(S_5) *shift*

$$S_4 = V(Syntax SyntaxRule)$$

I: $[Syntax \rightarrow Syntax SyntaxRule \cdot$, eof|metaIdenfitier] *reduce* R_1

$$S_5 = V(metaIdenfiter\ definingSymbol)$$

I: $[SyntaxRule \rightarrow metaIdenfiter\ definingSymbol \cdot eol\ DefinitionsList$, eof|metaIdenfitier] *goto*(S_6) *shift*

$$S_6 = V(metaIdenfiter\ definingSymbol\ eol)$$

I: $[SyntaxRule \rightarrow metaIdenfiter\ definingSymbol\ eol \cdot DefinitionsList$, eof|metaIdenfitier] *goto*(S_7)
 $[DefinitionsList \rightarrow \cdot DefinitionsList\ Definition\ EolLoop$, eof|metaIdenfitier|terminalString] *goto*(S_7)
 $[DefinitionsList \rightarrow \cdot Definition\ EolLoop$, eof|metaIdenfitier|terminalString] *goto*(S_8)
 $[Definition \rightarrow \cdot Definition\ metaIdenfiter$, eol|metaIdenfitier|terminalString] *goto*(S_8)
 $[Definition \rightarrow \cdot Definition\ terminalString$, eol|metaIdenfitier|terminalString] *goto*(S_8)
 $[Definition \rightarrow \cdot metaIdenfiter$, eol|metaIdenfitier|terminalString] *goto*(S_9) *shift*
 $[Definition \rightarrow \cdot terminalString$, eol|metaIdenfitier|terminalString] *goto*(S_{10}) *shift*

$S_7 = V(\text{metaIdenfitier definingSymbol eol DefinitionsList})$

I: [SyntaxRule → metaIdenfitier definingSymbol eol DefinitionsList·	,	eof metaIdenfitier]	reduce(R_3)	
I: [DefinitionsList → DefinitionsList·Definition EolLoop		, eof metaIdenfitier terminalString]	goto(S_{11})	
[Definition → ·Definition metaIdenfitier		, eol metaIdenfitier terminalString]	goto(S_{11})	
[Definition → ·Definition terminalString		, eol metaIdenfitier terminalString]	goto(S_{11})	
[Definition → ·metaIdenfitier		, eol metaIdenfitier terminalString]	goto(S_9)	shift
[Definition → ·terminalString		, eol metaIdenfitier terminalString]	goto(S_{10})	shift

$S_8 = V(\dots \text{Definition})$

I: [DefinitionsList → Definition·EolLoop	,	eof metaIdenfitier terminalString]	goto(S_{12})	
I: [Definition → Definition· metaIdenfitier	,	eol metaIdenfitier terminalString]	goto(S_{13})	shift
I: [Definition → Definition· terminalString	,	eol metaIdenfitier terminalString]	goto(S_{14})	shift
[EolLoop → ·EolLoop eol	,	eof metaIdenfitier terminalString eol]	goto(S_{12})	
[EolLoop → ·eol	,	eof metaIdenfitier terminalString eol]	goto(S_{15})	shift

$S_9 = V(\dots \text{eol metaIdenfitier})$

I: [Definition → metaIdenfitier·	,	eof metaIdenfitier terminalString]	reduce(R_{10})
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$S_{10} = V(\dots \text{eol terminalString})$

I: [Definition → terminalString·	,	eof metaIdenfitier terminalString]	reduce(R_{11})
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$S_{11} = V(\dots \text{DefinitionsList})$

I: [DefinitionsList → DefinitionsList Definition·EolLoop	,	eof metaIdenfitier terminalString]	goto(S_{16})	
I: [Definition → Definition· metaIdenfitier	,	eol metaIdenfitier terminalString]	goto(S_{13})	shift
I: [Definition → Definition· terminalString	,	eol metaIdenfitier terminalString]	goto(S_{14})	shift
[EolLoop → ·EolLoop eol	,	eof eol metaIdenfitier terminalString]	goto(S_{16})	
[EolLoop → ·eol	,	eof eol metaIdenfitier terminalString]	goto(S_{15})	shift

$S_{12} = V(\dots \text{eol Definition EolLoop})$

I: [DefinitionsList → Definition EolLoop·	,	eof metaIdenfitier terminalString]	reduce(R_7)
I: [EolLoop → EolLoop·eol	,	eof metaIdenfitier terminalString eol]	goto(S_{17}) shift

$S_{13} = V(\dots \text{Definition metaIdenfitier})$

I: [Definition → Definition metaIdenfitier·	,	eol metaIdenfitier terminalString]	reduce(R_8)
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$S_{14} = V(\dots Definition\ terminalString)$

I: $[Definition \rightarrow Definition\ terminalString \cdot \quad , \quad eof|metaIdenfitier|terminalString]$ *reduce*(R_9)

$S_{15} = V(\dots Definition\ eof)$

I: $[EolLoop \rightarrow eof \cdot \quad , \quad eof|metaIdenfitier|terminalString|eof]$ *reduce*(R_5)

$S_{16} = V(\dots eof\ DefinitionsList\ Definition\ EolLoop)$

I: $[DefinitionsList \rightarrow DefinitionsList\ Definition\ EolLoop \cdot \quad , \quad eof|metaIdenfitier|terminalString]$ *reduce*(R_6)

I: $[EolLoop \rightarrow EolLoop \cdot eof \quad , \quad eof|metaIdenfitier|terminalString|eof]$ *goto*(S_{17}) *shift*

$S_{17} = V(\dots EolLoop\ eof)$

I: $[EolLoop \rightarrow EolLoop\ eof \cdot \quad , \quad eof|metaIdenfitier|terminalString|eof]$ *reduce*(R_4)