https://jsmachines.sourceforge.net/machines/lr1.html

Goto	Kernel	State
goto(125, ASSIGN)	[[STMT -> ASSIGN., REPEATEDIF/}/id/iffy/oneb/twob/fob/ateb]}	67
goto(125, COND)	[[STMT -> COND., REPEATEDIF/]/id/iffy/oneb/twob/fob/ateb]}	68
goto(125, REPEATEDI	F) {[STMT -> REPEATEDIF., REPEATEDIF/}/id/iffy/oneb/twob/fob/ateb]}	69
goto(125, TYPE)	[[DECLARE -> TYPE.id;, REPEATEDIF/}/id/iffy/oneb/twob/fob/ateb]}	70
goto(125, id)	{[ASSIGN -> id.= EXPR ;, REPEATEDIF/}/id/iffy/oneb/twob/fob/ateb]}	71
goto(125, iffy)	[[COND -> iffy.BOOLEXPR { CODEBLOCK, REPEATEDIF/}/id/iffy/oneb/twob/fob/ateb]; [COND -> iffy.BOOLEXPR { CODEBLOCK, REPEATEDIF/}/id/iffy/oneb/twob/fob/ateb]}	72
goto(125, oneb)	{[TYPE -> oneb., id;]}	13
goto(125, twob)	[[TYPE -> twob., id;]]	14
goto(125, fob)	{[TYPE -> fob., id;]}	15
goto(125, ateb)	{[TYPE -> ateb., id;]}	16

LR table

											A	ACTION																				GOTO								
tate BEGII	N END REPEATEDIE	Fid; oneb	twob fo	bate	b id	= ;	; if	fy {	ew	repeat	if )	} (	) < <= >	>= ==	= -	. %	/ *	-	litone	blitt	wob li	fob l	Litateb	\$ S'	STMTL	STMI	DECLA	RE TYPE	ASSIGN	COND REP	EATIF	ODEBLOC	BOOLEX	PR COM	OP EXI	PR SUM	MOD D7	IV MUL	SUB FA	JTOR VI
s2																									1								Ti Ti							
								Ti-			T T												- la	acc	T	Ti T		<u> </u>	i				1	=	=	70		=	iπ	<u>—</u>
	s5 s9	913	s14 s1	5 916	911		s1	2			==				T										3	4	6	10	7	8			1	-	_				H	=
	00 00	1010	011	-	- 011			-							╬	-			-			-			- 1	-1-	-		1				1	+			+-+		$\vdash$	
																_		_					1	r <sub>1</sub>													<u></u>			
	s5 s9	s13	s14 s1	5 s16	s11		s1	.2																	17	4	6	10	7	8							_اا			
																							r	r3															1	
	r <sub>4</sub> r <sub>4</sub>	ra	r <sub>4</sub> r <sub>4</sub>	r,	r,		r <sub>4</sub>			Ì	T				imi										Ti T	TÍ T	Ť –	Ti	ĺ							7				
									_							-		_	-	-					_	_		-		_			-	+			+		$\vdash$	
	r <sub>5</sub> r <sub>5</sub>	r <sub>5</sub>	r <sub>5</sub> r <sub>5</sub>	r <sub>5</sub>	r <sub>5</sub>		r <sub>5</sub>																														<u> </u>			
	r <sub>6</sub> r <sub>6</sub>	r <sub>6</sub>	r <sub>6</sub> r <sub>6</sub>	r <sub>6</sub>	r <sub>6</sub>		r <sub>6</sub>																																1	
	r7 r7	r7	r7 r7	r7	r7		r7											T								Ti T												7		T
			H	÷												-				_					_	_		_	1								+		$\vdash$	<u></u> +
		s18		_			_	_			_							_										_								_	<del> </del>			
						s19												_							_												<u> </u>			
												s21																					20							
		r <sub>9</sub>																																						
				-	_			_								-			_								_	-	-								+		$\vdash$	
		r <sub>10</sub>																		_						_							_			_	44			
		r <sub>11</sub>																																					1	
		r <sub>12</sub>									TÎT										T)	T																		TÎ
_				-	1			-		<u> </u>				$\vdash$		-	$\vdash$	+	+	-		<del>-</del>	i.		1	-	1	-1	1				1	-	-		-		$\vdash$	=
			<u> </u>	_	_		_ _				_				1	_	$\perp \perp$	4		4	_		1	r <sub>2</sub>	4			_		$\sqsubseteq \sqsubseteq$			1	—		_	뉴	_	<del></del>	<u>_</u>
	r <sub>8</sub> r <sub>8</sub>	r <sub>8</sub>	r <sub>8</sub> r <sub>8</sub>	rg	rg		r <sub>8</sub>																															IL'	LLL	
					s35							s29							s31	s32	s3:	s	34												22	23	24 25	5 26	27 28	3
			$\vdash$	1			-	s36		i	T)T	$\neg \neg$		$\vdash$		_		Ť																$\neg$	$\neg$			$\neg$	$\Box$	一
	<del>                                     </del>		<del>                                     </del>	-	0.40	-	_	330			-				+	-	-	-	0.20	0.30		L	- 4.1		1		1		1				1		-				$\vdash$	
_	<del> </del>	+	$\vdash$	_	s42		_	_						-	+	_	$\vdash$	4	s38	s39	s4	s	341	_ _	-	-	1		-				-				+		-	
			<u> </u>			s4	3					_		$\Box$	$\perp \perp \perp$	_	$\Box$	_ _	_	_				ЩЦ	1	_		_	<u> </u>	$\Box$			1			'لسالـــــــــــــــــــــــــــــــــــ	<b>⊥</b> ⊥L		<u></u>	
						r <sub>2</sub>	6																																	
				i	Ť	r <sub>28</sub>	-	Ti-	ī		ΠİT				s	4		Ť	ì			T			TÎ .	Ti T	Ť –	_i	i				1	$\neg$	$\neg$	700				$\neg$
				-	-		-	_			_								_	-	_				-	-	-	_	-				-	-	-		<del></del>		$\vdash$	
						r30	0								r	0 s45																								
						r32	2								r	2 r32	s46																					-     '		
	i i				Ť	r34	4		Ti		T					==	r34 s4	7		T								Ti	i –					=	=	7	m	$\neg$	m	- f
				-	-			_			_					===				-	_				-	-	-	_	-				-	-	-		<del></del>		$\vdash$	
						r36	6								r	6 F36	r <sub>36</sub> r <sub>3</sub>	6 54							_												<u> </u>			
					s62							s56							s58	s59	s 6	s	61												49	50	51 52	2 53	54 55	5
						r38	8								r	8 r38	r <sub>38</sub> r <sub>3</sub>	8 r3	8																					
				_	_		-															— i				_		_					_	-	-		HH	$\rightarrow$	$\vdash$	
		<u> </u>				r39	9									===	r <sub>39</sub> r <sub>3</sub>																			_	느느			
						r40	0								r	0 r <sub>40</sub>	r <sub>40</sub> r <sub>4</sub>	0 r40	0																				1	
						r <sub>4</sub>	1								r	1 r41	r <sub>41</sub> r <sub>4</sub>	1 r4	1																			$\neg \Box$		
				-	_		=	_				_									_	_						_	1								+		$\vdash$	<del></del>
					_	r <sub>42</sub>	2				_					==	r <sub>42</sub> r <sub>4</sub>	==							_	_	<u> </u>									_	<u></u>	_		
						r43	3								r	3 r <sub>43</sub>	r <sub>43</sub> r <sub>4</sub>	3 r4:	3																					
	s69	s13	s14 s1	5 s16	s71		s7.	12			s6	5														64	66	70	67	68	6	3								
											T i		s74 s75 s76	s77 s78	3 9 7 9											Ti T								73			m	-		=
				-	_		-	_			-			=		_			_							_	_	_	-						-	$\neg$	$\vdash$		$\vdash$	
													r39 r39 r39	==						_						_							_			_	44			
													r <sub>40</sub> r <sub>40</sub> r <sub>40</sub>	r <sub>40</sub> r <sub>40</sub>	r <sub>40</sub>																									
								T İ					r <sub>41</sub> r <sub>41</sub> r <sub>41</sub>	r41 r41	r41										T)	T)		TÌ.	Ĭ											
_		-	<del></del>	-	+			_	7	<u> </u>				==		-	$\vdash$	+	+	-		<del></del>	-		1		1	-1	1	$\vdash$			1		-		$\vdash$		$\vdash$	<del>-</del>
_			$\vdash$	_	-		4	_			_		r <sub>42</sub> r <sub>42</sub> r <sub>42</sub>	==			$\vdash$	4		-	_		-		-	-	-		1	$\vdash$			-				+		$\vdash$	
													r43 r43 r43	r43 r43	r43	L					I			LL							L					'	_الا		علي	
	r <sub>13</sub> r <sub>13</sub>	r <sub>13</sub>	r <sub>13</sub> r <sub>1</sub>	3 r <sub>13</sub>	r <sub>13</sub>		r <sub>1</sub>	.3																																
		-		+	s35			_			-	s29				+	$\vdash$	-	s31	s32	s3:	-	34		-	-	1	-	1				1	-	$\dashv$	80	24 21	5 26	27 28	
_			$\vdash\vdash\vdash$	-										$\vdash$		-	$\vdash\vdash$	-							-		-		1	$\vdash$			-		-					
_			-	_	s35		_				_	s29		$\vdash$		_	$\Box$	_	s31	s32	s3:		34	4	-				1	$\vdash$			-			_			27 28	3
			<u> </u>		s35				لـــــالــــ			s29			_الــــالــ				s31	s32	s3:	s	34					_								الصال	82		27 28	3
					s35							s29							s31	s32	s3:	s	34															83	27 28	
					s35						TÎT	s29							s31	s32	s3:	s	34																84 28	İ
			$\vdash$	1			-			i	T)T		s85	$\vdash$		_		Ť				T F												$\neg$	$\neg$			$\neg$		-
			$\vdash\vdash\vdash$	-	-	-				1				$\vdash$	+-	+	$\vdash$	+	-	-	_	-	-		-		1		1				+	-	+		<del></del>		=	$\rightarrow$
											_		r <sub>26</sub>	$\square$	_  _				_	_						_		_	1	$\square$						_		_	<u> </u>	
													r <sub>28</sub>		s	6											1													
							T	Ti T	ī		TiT		r30			o s87		Ť				T			Ti-										-	700		$\neg \Box$		Ti-
	<del>                                     </del>		<del>                                     </del>	-		-	_				-							-	_	-							1		1				1		-				$\vdash$	-
			$\square$				_ _	_	_		_ _		r <sub>32</sub>				s88		_	4	_	_			_			_	1	$\sqsubseteq$			1			_	닏닏	_	<u></u>	
													r <sub>34</sub>				r <sub>34</sub> s8											_									11	L'		
								Ti T					r <sub>36</sub>				r <sub>36</sub> r <sub>3</sub>		0						ì	TI T			İ				1			70				T
				-	060			-												050		-	-61		-	-1	1	-1	1				1				E1 F1	2 = 2	54 -	
			-	_	s62		_	_			_	s56		$\vdash$						s59	56	) s	101		-				1	$\vdash$			-		- 91	_ 00	JI 52	2 33	54 55	
													r <sub>38</sub>		r	8 r38	r <sub>38</sub> r <sub>3</sub>	8 r38	8																	['				
											TÎT		r <sub>39</sub>		r	9 r30	r <sub>39</sub> r <sub>3</sub>	g ra	9		T)	T																		T
				-												-   -		-   -	- 1	-		_				-1	1	-1	1						-		-		=	-
							ļ				ļ_		r <sub>40</sub>		r	0 r40	r <sub>40</sub> r <sub>4</sub>	0 r40	0						_					$oxed{oxed}$						_	<u></u>		اللب	
													r <sub>41</sub>		r	1 r41	r41 r4	1 r4:	1																					
			$\vdash$	1			-			i	-		r <sub>42</sub>		r	2 1140	r <sub>42</sub> r <sub>4</sub>	2 7.	2															$\neg$	$\neg$			$\neg$	$\Box$	-
			$\vdash$			-	_																				1	_	1	$\vdash$			1		$ \vdash$		<del></del>		$\vdash\vdash$	
								!					r <sub>43</sub>		r,	3 r <sub>43</sub>	r <sub>43</sub> r <sub>4</sub>	3 r4:	3															_		_		_		
	r <sub>14</sub> r <sub>14</sub>	r <sub>14</sub>	r <sub>14</sub> r <sub>1</sub>	4 r <sub>14</sub>	r <sub>14</sub>		r <sub>1</sub>	4	s92																															
	14 14						s7.			<del></del>	s 6	_		=				=;=							-i	=;		_;	í .	===				-	==			_;'	==	<del></del>
	s69	s13	s14 le1	5 s 1 6	s71		IS /	(2 II																		64	66	70	167	68	l Q	3				h	1 1	- 11	1 11	11.

5 of 6 12/7/2022, 5:14 PM

https://jsmachines.sourceforge.net/machines/lr1.html

							LR table																											
State						1.65	,		ACTION						0 (	_	1.44			-1-1-2-		a. la la	a lam	ar		n   ac		GOTO	w noor n				Cree	
BEGI	IN END REPEATE				= ;	T) Tî	{ ew			)	< <= >	>=	-	: +	% /	* -	liton	eb litt	wob lits	ob litate	ab \$	S' S STMTI	S STMT DEC	CLARE TY	PE ASSIG	N COND	REPEATIF	CODEBLOC	K BOOLEXPR COM	OP EXPE	R SUM MOI	DIVMUI	SUB FA	CTOR VAI
7	r <sub>4</sub>		4 r4 r			r <sub>4</sub>			r <sub>4</sub>					_																				<u>-</u>
	r <sub>5</sub>		5 r <sub>5</sub> r		_	r <sub>5</sub>			r <sub>5</sub>			-	_	-			_	_			_									_				
3	r <sub>6</sub>		6 r6 r			r <sub>6</sub>			r <sub>6</sub>			_		-		_		_																
9	r <sub>7</sub>		7 r7 r	7 r7		r <sub>7</sub>			r7									_																
		s94			-05					-				-		_	-								-					_			-	
					s95				s21					-		_		_						<del></del>		-			96	_				
3				s102					521				_			-	s98	s99	9100	s101					-				90	-				97
				r <sub>20</sub>										+		_	r <sub>20</sub>	r <sub>20</sub>	r <sub>20</sub>	r <sub>20</sub>					1									
				r <sub>21</sub>												_	r <sub>21</sub>	r <sub>21</sub>	r <sub>21</sub>	r <sub>21</sub>														
5				r <sub>22</sub>													r <sub>22</sub>	r <sub>22</sub>	r <sub>22</sub>	r <sub>22</sub>						-								
7				r <sub>23</sub>		-ii								-		_	r <sub>23</sub>	r <sub>23</sub>	r <sub>23</sub>	r <sub>23</sub>														
3				r <sub>24</sub>		<del>-</del>										_	r <sub>24</sub>	r <sub>24</sub>	r <sub>24</sub>	r <sub>24</sub>			_		-									
9				r <sub>25</sub>		-ii								-		_	r <sub>25</sub>	r <sub>25</sub>	r <sub>25</sub>	r <sub>25</sub>														
				-23	r <sub>27</sub>												-23	-23	-23	-23														-
					r <sub>29</sub>									r <sub>29</sub>																				
2					r <sub>31</sub>				_					r <sub>31</sub> r	31	-	-	-																-
3					r <sub>33</sub>				_						33 <b>r</b> 33	-	-	-																
1					r <sub>35</sub>										35 r35 1	C35	-		_															
5					r <sub>37</sub>							-	-		35 F35 F		17	-	_												+			
;				s62	1-3/	+	_		s56	-		╫	_	-3/	3/ [-3/]	3/ 1-3	s58	s59	s60	s61	╫									_	103 51	52 53	54 55	57
7				s62			_		s56					+		-	s58	s59	s60	s61		<del></del>	_									1 52 53		
				s62		T			s56								s58	s59	s60	s61													54 55	
9				s62					s56	6		ī		T			s58	s59	s60	s61												106	54 55	57
)				s62					s56	5							s58	s59	s60	s61													107 55	57
										s108																								
							s109																											
3	r <sub>17</sub> r <sub>17</sub>		17 r <sub>17</sub> r			r <sub>17</sub>	r <sub>17</sub>																											
1	r <sub>8</sub>	r <sub>8</sub> r	g rg r			r <sub>8</sub>			r <sub>8</sub>							_																		
5				s35					s29	9		4					s31	s32	s33	s34										110	23 24	25 26	27 28	30
5 7							s111			-110		-		-		_		_			_		_		_					_				
8						-				s112				-		_		-												-				
9										r39				-		_		-							-					-				_
00										r <sub>40</sub>		-		-		_	_	_							-							-		
01										r <sub>41</sub>		-		-		_	_	_							-							-		
02										r <sub>42</sub>				-				_												_				
03										r <sub>43</sub>				-		_	-								-								-	
									-	r <sub>27</sub>				-		_	-								-					_			-	
04										r <sub>29</sub>				r <sub>29</sub>		_	_	_							-							-		
06										r <sub>31</sub>				r <sub>31</sub> r		_	_	_							-							-		
										r <sub>33</sub>				r <sub>33</sub> r			_	_							-							-		
07										r <sub>35</sub>			-		35 r35 1										-									
)8	s69	013	14 s15 s	16 071	-	s72			s115	r <sub>37</sub>		-	_	±37 I	37 r <sub>37</sub> 1	-37 F3	17	_					114 66	7.0	67	68		113		-			++	
.0	303		14 S13 S	3/1	s11				2113	╁			_	+			-		_				114 00	1/0	07	00		110						
.1	s69	s13 s	14 s15 s	16 s71	10111	s72	-		s119							-	1	-					118 66	70	67	68		117						
12							r <sub>19</sub>									_	1	_							1									
.3	r <sub>15</sub> r <sub>15</sub>	r <sub>15</sub> r	<sub>15</sub> r <sub>15</sub> r	15 r15		r <sub>15</sub>										_																	i i	
	s69			16 s71		s72			s115	İ													114 66	70	67	68		120						
.5	r <sub>18</sub> r <sub>18</sub>		18 r <sub>18</sub> r			r <sub>18</sub>	<u> </u>		<u> </u>																T T									
. 6	r <sub>13</sub>		<sub>13</sub> r <sub>13</sub> r			r <sub>13</sub>			r <sub>13</sub>	i						T					T			T i		Ti Ti								
.7	r <sub>14</sub>			14 r <sub>14</sub>		r <sub>14</sub>	s121		r <sub>14</sub>			T					Ti T	T)	i	Ti Ti	T		TÍT Í	<u> </u>	Ť	i								
.8	s69	s13 s	14 s15 s	16 s71		s72			s119														118 66	70	67	68		122						
.9	r <sub>18</sub>			18 r <sub>18</sub>		r <sub>18</sub>	r <sub>18</sub>		r <sub>18</sub>																									
:0	r <sub>17</sub> r <sub>17</sub>		<sub>17</sub> r <sub>17</sub> r			r <sub>17</sub>																												
21							s123																											
22	r <sub>17</sub>	r <sub>17</sub>   r	<sub>17</sub> r <sub>17</sub> r	17 r <sub>17</sub>		r <sub>17</sub>	r <sub>17</sub>		r <sub>17</sub>																									
3	s69	s13 s	14 s15 s	16 s71		s72			s126														125 66	70	67	68		124						
24	r <sub>15</sub>	r <sub>15</sub> r	<sub>15</sub> r <sub>15</sub> r	15 r <sub>15</sub>		r <sub>15</sub>			r <sub>15</sub>																									
25	s69	s13 s	14 s15 s	16 s71		s72			s126														125 66	70	67	68		127						
26	r <sub>18</sub>			18 r <sub>18</sub>		r <sub>18</sub>			r <sub>18</sub>																									
27	r <sub>17</sub>	r <sub>17</sub> r	17 r <sub>17</sub> r	17 r <sub>17</sub>		r <sub>17</sub>			r <sub>17</sub>																									

6 of 6 12/7/2022, 5:14 PM