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State	ACTION																															
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					New
(20) TERM	-> + TERM -	goto(5, BOR)	{{BAND -> BOR.BAND' BOR, ==]}	11	[{[BAND -> BOR.BAND' BOR, ==];
TERM	3	goto(5, EXPR)	{[BOR -> EXPR.BOR' EXPR, &&]}	12	{[BOR -> EXPR.BOR' EXPR, &&];
TERM -	> FACT TERM'	▼ goto(5, TERM)	{[EXPR -> TERM.EXPR' TERM,]}	13	{[EXPR -> TERM.EXPR' TERM,]
	-> * FACT /	goto(5, FACT)	{[TERM -> FACT.TERM' FACT, +]}	14	{[TERM -> FACT.TERM' FACT, +];
,		goto(5, ID)	{[FACT -> ID. INT_LIT FLOAT_LIT (EXPR), *]}	15	{[FACT -> ID. INT_LIT FLOAT_I
FIRST	table	goto(6,)	{[STMT -> IF_STMT BLOCK .ASSIGN DECLARE WHILE_LOOP, \$]}	16	{[STMT -> IF_STMT BLOCK .ASS]
Nonterminal	FIRST	goto(7, })	{[BLOCK -> { }. { STMT_LIST },]}	17	{[BLOCK -> { }. { STMT_LIST },
s'	{if}	goto(8,))	{[IF_STMT -> if (BOOL_EXPR).BLOCK if (BOOL_EXPR) BLOCK else BLOCK,]}	18	{[IF_STMT -> if (BOOL_EXPR).BI
STMT	{if}	goto(9, BOOL_EXPR')	{[BOOL_EXPR -> BTERM BOOL_EXPR'. BTERM,)]}	19	{ [BOOL_EXPR -> BTERM BOOL_EXPR'.
STMT_LIST	{if}	goto(9, >)	{[BOOL_EXPR' -> >.BTERM < BTERM >= BTERM <= BTERM ε,]}	20	{[BOOL_EXPR' -> >.BTERM < BTEF
WHILE_LOOP	{while}	goto(10, BTERM')	{[BTERM -> BAND BTERM'. BAND, >]}	21	{[BTERM -> BAND BTERM'. BAND, >
IF_STMT	{if}	goto(10, ==)	{[BTERM' -> ==.BAND != BAND ε,]}	22	{[BTERM' -> ==.BAND != BAND
BLOCK	{ { }	goto(11, BAND')	{[BAND -> BOR BAND'. BOR, ==]}	23	{[BAND -> BOR BAND'. BOR, ==]}
DECLARE	{DataType}	goto(11, &&)	{[BAND' -> &&.BOR ε,]}	24	{[BAND' -> &&.BOR ε,]; [BOR
ASSIGN	{ID}	goto(12, BOR')	{[BOR -> EXPR BOR'. EXPR, &&]}	25	{[BOR -> EXPR BOR'. EXPR, &&]}
EXPR	{ID}	goto(12,)	{[BOR' -> .EXPR ε,]}	26	{[BOR' -> .EXPR ε,]; [EXPF
EXPR'	{+}	goto(13, EXPR')	{[EXPR -> TERM EXPR'. TERM,]}	27	{[EXPR -> TERM EXPR'. TERM,]
TERM	{ID}	goto(13, +)	{[EXPR' -> +.TERM - TERM &,]}	28	{[EXPR' -> +.TERM - TERM ε,
TERM'	{*}	goto(14, TERM')	{[TERM -> FACT TERM'. FACT, +]}	29	{[TERM -> FACT TERM'. FACT, +]]
FACT	{ID}	goto(14, *)	{[TERM' -> *.FACT / FACT % FACT ε,]}	30	{[TERM' -> *.FACT / FACT % [
BOOL_EXPR	{ID}	goto(15,)	{[FACT -> ID .INT_LIT FLOAT_LIT (EXPR), *]}	31	{[FACT -> ID .INT_LIT FLOAT_I
BOOL_EXPR'	{>}	goto(16, ASSIGN)	{[STMT -> IF_STMT BLOCK ASSIGN. DECLARE WHILE_LOOP, \$]}	32	{[STMT -> IF_STMT BLOCK ASS]
BTERM	{ID}	goto(16, ID)	{[ASSIGN -> ID.= EXPR,]}	33	{[ASSIGN -> ID.= EXPR,]}
BTERM'	{==}	goto(17,)	{[BLOCK -> { } .{ STMT_LIST },]}	34	{[BLOCK -> { } .{ STMT_LIST },
BAND	{ID}	goto(18, BLOCK)	{[IF_STMT -> if (BOOL_EXPR) BLOCK. if (BOOL_EXPR) BLOCK else BLOCK,]}	35	{[IF_STMT -> if (BOOL_EXPR) BI
BAND'	{&&}	goto(18, {)	{[BLOCK -> {.} { STMT_LIST },]}	7	
BOR	{ID}	goto(19,)	{[BOOL_EXPR -> BTERM BOOL_EXPR' .BTERM,)]}	36	{ [BOOL_EXPR -> BTERM BOOL_EXPR'
BOR'	{ }	goto(20, BTERM)	{[BOOL_EXPR' -> > BTERM. < BTERM >= BTERM <= BTERM ε,]}	37	{[BOOL_EXPR' -> > BTERM. < BTER
		goto(20, BAND)	{[BTERM -> BAND.BTERM' BAND,]}	38	{[BTERM -> BAND.BTERM' BAND,
		goto(20, BOR)	{[BAND -> BOR.BAND' BOR, ==]}	11	
		goto(20, EXPR)	{[BOR -> EXPR.BOR' EXPR, &&]}	12	
		acto(20. TERM)	([EXPR -> TERM.EXPR' TERM.)	13	
4)

(0) S' -> !		_ >>	Goto	Kernel	State	
(1) STMT -: (2) BLOCK				{[S' -> .STMT, \$]}		{[S' -> .STMT, \$]; [STMT -> .
	8) DECLARE WHILE_LOOP 1) STMT_LIST -> STMT; 5) STMT ; STMT_LIST 5) WHILE LOOP -> while		goto(0, STMT)	{[S' -> STMT., \$]}	1	{[S' -> STMT., \$]}
(5) STMT			goto(0, IF_STMT)	{[STMT -> IF_STMT. BLOCK ASSIGN DECLARE WHILE_LOOP, \$]}	2	{[STMT -> IF_STMT. BLOCK .
	EXPR) BLOCK		goto(0, if)	{[IF_STMT -> if.(BOOL_EXPR) BLOCK if (BOOL_EXPR) BLOCK else BLOCK,]}	3	{[IF_STMT -> if.(BOOL_EXPR
(8) IF_STM	r -> if (goto(2,)	{[STMT -> IF_STMT .BLOCK ASSIGN DECLARE WHILE_LOOP, \$]}	4	{[STMT -> IF_STMT .BLOCK
9) BOOL EXPR) BLOCK goto (3,			goto(3, ()	{[IF_STMT -> if (.BOOL_EXPR) BLOCK if (BOOL_EXPR) BLOCK else BLOCK,]}	5	{[IF_STMT -> if (.BOOL_EXPR
	1) BLOCK else BLOCK Goto (4 PT			{[STMT -> IF_STMT BLOCK. ASSIGN DECLARE WHILE_LOOP, \$]}	6	{[STMT -> IF_STMT BLOCK.
3) STMT_LIST } goto		goto(4, {)	{[BLOCK -> {.} { STMT_LIST },]}	7	{[BLOCK -> {.} { STMT_LIST	
	E -> DataType ataType ID ,		goto(5, BOOL_EXPR)	{[IF_STMT -> if (BOOL_EXPR.) BLOCK if (BOOL_EXPR) BLOCK else BLOCK,]}	8	{[IF_STMT -> if (BOOL_EXPR
6) DECLAR	2		goto(5, BTERM)	{[BOOL_EXPR -> BTERM.BOOL_EXPR' BTERM,)]}	9	{ [BOOL_EXPR -> BTERM.BOOL_E
	7) ASSIGN -> ID = EXPR 8) EXPR -> TERM EXPR' goto		goto(5, BAND)	{[BTERM -> BAND.BTERM' BAND, >]}	10	{[BTERM -> BAND.BTERM' BA
TERM g		goto(5, BOR)	{[BAND -> BOR.BAND' BOR, ==]}	11	{[BAND -> BOR.BAND' BOR,	
0) EXPR' -> + TERM - TERM & goto (5, EXPR)		goto(5, EXPR)	{[BOR -> EXPR.BOR' EXPR, &&]}	12	{[BOR -> EXPR.BOR' EXPR,	
TERM -:	TERM -> FACT TERM'		goto(5, TERM)	{[EXPR -> TERM.EXPR' TERM,]}	13	{[EXPR -> TERM.EXPR' TERM
	-> * FACT /	/	goto(5, FACT)	{[TERM -> FACT.TERM' FACT, +]}	14	{[TERM -> FACT.TERM' FACT
			goto(5, ID)	{[FACT -> ID. INT_LIT FLOAT_LIT (EXPR), *]}	15	{[FACT -> ID. INT_LIT FL
FIRST	table		goto(6,)	{[STMT -> IF_STMT BLOCK .ASSIGN DECLARE WHILE_LOOP, \$]}	16	{[STMT -> IF_STMT BLOCK
terminal	FIRST		goto(7, })	{[BLOCK -> { }. { STMT_LIST },]}	17	{[BLOCK -> { }. { STMT_LIS
	{if}		goto(8,))	{[IF_STMT -> if (BOOL_EXPR).BLOCK if (BOOL_EXPR) BLOCK else BLOCK,]}	18	{[IF_STMT -> if (BOOL_EXPR
Т	{if}		goto(9, BOOL_EXPR')	{[BOOL_EXPR -> BTERM BOOL_EXPR'. BTERM,)]}	19	{ [BOOL_EXPR -> BTERM BOOL_E
T_LIST	{if}		goto(9, >)	{[BOOL_EXPR' -> >.BTERM < BTERM >= BTERM <= BTERM ε,]}	20	{[BOOL_EXPR' -> >.BTERM <
LE_LOOP	{while}		goto(10, BTERM')	{[BTERM -> BAND BTERM'. BAND, >]}	21	{[BTERM -> BAND BTERM'. BA
STMT	{if}		goto(10, ==)	{[BTERM' -> ==.BAND != BAND ε,]}	22	{[BTERM' -> ==.BAND != BA
CK	{ { }		goto(11, BAND')	{[BAND -> BOR BAND'. BOR, ==]}	23	{[BAND -> BOR BAND'. BOR,
LARE	{DataType}		goto(11, &&)	{[BAND' -> &&.BOR E,]}	24	{[BAND' -> &&.BOR ε,];
IGN	{ID}		goto(12, BOR')	{[BOR -> EXPR BOR'. EXPR, &&]}	25	{ [BOR -> EXPR BOR'. EXPR,
R	{ID}		goto(12,)	{[BOR' -> .EXPR ε,]}	26	{[BOR' -> .EXPR ε,];
R'	{+}		goto(13, EXPR')	{[EXPR -> TERM EXPR'. TERM,]}	27	{[EXPR -> TERM EXPR'. TERM