	START	FUNCS	EXP	DEF
$		FUNCS → FUNCS FUNCS	EXP → ε	
T_Comment			EXP → T_COMMENT	
T_Character				
T_String				
T_Hexadecimal				
T_Decimal				
T_Id			EXP → T_ID = EXP1;	
T_Comma				
T_Semicolon			EXP → ε	
T_RSB				
T_LSB				
T_RB			EXP → ε	
T_LB				
T_RP				
T_LP				
T_Assign				
T_LOp_NOT				
T_Lop_OR				
T_LOp_AND				
T_ROp_E				
T_ROp_NE				
T_ROp_GE				
T_ROp_SE				
T_ROp_G				
T_ROp_S				
T_AOp_RM				
T_AOp_DV				
T_AOp_ML				
T_AOp_MN				
T_AOp_PL				
T_True				
T_Return			EXP → T_RETURN EXP1;EXP	
T_Print			EXP → T_PRINT;EXP;	
T_Int	START → FUNC FUNCS	FUNCS → FUNC FUNCS	EXP → DEF EXP;	DEF → TYPE VAR ARRAY
T_If			EXP → IF EXP;	
T_For			EXP → FOR EXP;	
T_False				
T_Else				
T_Continue			EXP → T_CONTINUE;EXP;	
T_Char	START → FUNC FUNCS	FUNCS → FUNC FUNCS	EXP → DEF EXP;	DEF → TYPE VAR ARRAY
T_Break			EXP → T_BREAK;EXP;	
T_Bool	START → FUNC FUNCS	FUNCS → FUNC FUNCS	EXP → DEF EXP;	DEF → TYPE VAR ARRAY
\	START	FUNCS	EXP	DEF

Parsing table (rotated). Non-terminals are given as column headers (bottom labels): TYPE, VAR, ARRAY, FUNC, PARAMS.

	TYPE	VAR	ARRAY	FUNC	PARAMS
	TYPE		ARRAY → ε		PARAMS → ε
			ARRAY → ε		
	TYPE → T_BOOL		ARRAY → ε	FUNC → rules	PARAMS → T_BOOL T_ID,PARAMS
	TYPE → T_CHAR		ARRAY → ε	FUNC → rules	PARAMS → T_CHAR T_ID,PARAMS
			ARRAY → ε		
			ARRAY → ε		
	TYPE → T_INT		ARRAY → ε	FUNC → rules	PARAMS → T_INT T_ID,PARAMS
			ARRAY → ε		
			ARRAY → ε		
			ARRAY → ε		
			ARRAY → rules		
			ARRAY → ε		
		VAR → T_ID	T_ID = EXP1	ARRAY → ε		
			ARRAY → ε		PARAMS → ε
			ARRAY → ε		

Grammar rules (visible):

- TYPE → T_BOOL
- TYPE → T_CHAR
- TYPE → T_INT
- VAR → T_ID | T_ID = EXP1
- ARRAY → ε
- ARRAY → rules
- FUNC → rules
- PARAMS → T_INT T_ID,PARAMS
- PARAMS → T_CHAR T_ID,PARAMS
- PARAMS → T_BOOL T_ID,PARAMS
- PARAMS → ε

Column labels (bottom): TYPE, VAR, ARRAY, FUNC, PARAMS

Nonterminal	Production / Rule	Rule 2	Rule 3
PARAM	MORE_PARAM	FOR	DEF_FOR	EXP1
LASTPARAMS → T_BOOL T_ID	MORE_PARAM		DEF_FOR → TYPE VAR;RELEXP;EXP1	
LASTPARAMS → T_CHAR T_ID			DEF_FOR → TYPE VAR;RELEXP;EXP1	
LASTPARAMS → T_INT T_ID		FOR → T_FOR(DEF_FOR|EXP)	DEF_FOR → TYPE VAR;RELEXP;EXP1	EXP1 → rules
				EXP1 → rules
	MORE_PARAM → ε			EXP1 → rules
	MORE_PARAM → , PARAM PARAMS			EXP1 → rules
				EXP1 → rules
				EXP1 → rules
				EXP1 → rules
	MORE_PARAM → ε			EXP1 → rules

Parsing table (non-terminals as columns, entries are productions; red "rules" indicate rule actions):

	TERM	OPERAND	CALL_FUNC	CALL_PARAMS	CALL_PARAM
			CALL_FUNC → ε	CALL_PARAMS → ε	CALL_PARAM → rules
	OPERAND → rules	OPERAND → rules	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
	TERM → rules	OPERAND → T_STRING	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
	TERM → rules	OPERNAD → T_HEX	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
	TERM → rules	OPERNAD → T_DEC	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
	TERM → rules	OPERAND → T_ID ++	T_ID --	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
	TERM → rules	OPERAND → (EXP1)	CALL_FUNC → rules	CALL_PARAMS → ε	CALL_PARAM → rules
	TERM → rules	OPERAND → rules	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
	TERM → rules	OPERAND → rules	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
	TERM → rules	OPERAND → rules	CALL_FUNC → rules	CALL_PARAMS → rules	CALL_PARAM → rules
TERM	OPERAND	CALL_FUNC	CALL_PARAMS	CALL_PARAM

Non-terminal	Productions
CALL_MORE_PARAMS	CALL_MORE_PARAMS → ε · CALL_MORE_PARAMS → rules · CALL_MORE_PARAMS → ε · CALL_MORE_PARAMS → ε
IF	IF → rules
RELEXP	RELEXP → rules · RELEXP → rules · RELEXP → rules · RELEXP → rules · RELEXP → rules · RELEXP → rules · RELEXP → rules · RELEXP → rules · RELEXP → rules
RELOP	RELOP → ROP_NE · RELOP → ROP_E · RELOP → rules · RELOP → rules
ELSE	ELSE → ε · ELSE → ε · ELSE → T ELSE(EXP) · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε · ELSE → ε

PRINT						PRINT → T_PRINT (T_STRING,PARAMS_PRINT																							PRINT_PARAMS → rules		
PRINT_PARAMS				PRINT_PARAMS → rules			PRINT_PARAMS → rules											PARAMS_PRINT → EXP1						PARAMS_PRINT → T_ID,PARAMS_PRINT	PARAMS_PRINT → EXP1	PARAMS_PRINT → EXP1	PARAMS_PRINT → EXP1					