nput\state	else	"0"	"number"	"+"	"_"	ngn	"/"	"("	")"	" \0"
NUM	SYNTAX	VALID_NUM	VALID_NUM	VALID_UNARY	VALID_UNARY	SYNTAX	SYNTAX	LEFT_B_NUM	SYNTAX	SYNTAX
OP	SYNTAX	SYNTAX	SYNTAX	VALID_OPERATOR	VALID_OPERATOR	VALID_OPERATOR	Go2NonZ	VALID_LEFT_B	EVALUATE_B	EVALUATE_E
JNARY	SYNTAX	VALID_NUM	VALID_NUM	SYNTAX	SYNTAX	SYNTAX	SYNTAX	VALID_OPERATOR	SYNTAX	SYNTAX
NON_Z	SYNTAX	MATH	VALID_NUM	VALID_UNARY	VALID_UNARY	SYNTAX	SYNTAX	LEFT_B_NON_Z	SYNTAX	SYNTAX
TRAP										
#	event name	end state	actions							
TT .	1 Go2NonZ	NON_Z	push to OP_STACK							
	2 VALID_OPERATOR	NUM	push to OP_STACK b	y presedency						
	3 VALID_NUM	OP	push to NUM_STACK							
	4 EVALUATE_E	OP	evaluate all stacks							
	5 EVALUATE_B	OP	evaluate brackets in s	tacks						
	6 VALID_LEFT_B	OP	push '(' to OP_STACK	(if * implicit make explic	cit					
	7 MATH	TRAP	end parsing, status =	MATH_ERROR						
	8 SYNTAX	TRAP	end parsing, status =	SYNTAX_ERROR	SYNTAX					
	9 VALID_UNARY	UNARY	push '-' / '+' (with high presedency) to OP_STACK and '0' to NUM_STACK							
1	LO LEFT_B_NUM	NUM	push "("to OP_STACK	(
	11 LEFT_B_NON_Z	NUM								