	kwdprog	brace1	brace2
Pgm	Pgm = kwdprog Block		
Block		Block = brace1 Stmts brace2	
Stmts			Stmts = eps
Stmt			
Astmt			
Y			
Ostmt			
Wstmt			
Fstmt			
Else2			
Elist			
Elist2			
E'			
E			
T'			
T			
F			
Pexpr			
Fatom			
Opadd			
Opmul			

semi	id	equal	kwdinput
	Stmts = Stmt semi Stmts		
	Stmt = Astmt		
	Astmt = id equal Y		
	Y = E		Y = kwdinput
Else2 = eps			
	Elist = E Elist2		
E' = eps			
	E = TE'		
T' = eps			
	T = FT'		
	F = Fatom		
	Fatom = id		

kwdprint	paren1	paren2
Stmts = Stmt semi Stmts		
Stmt = Ostmt		
	Y = E	
Ostmt = kwdprint paren1 Elist paren2		
	Elist = E Elist2	Elist = eps
		Elist2 = eps
		E' = eps
	E = TE'	
		T' = eps
	T = FT'	
	F = Pexpr	
	Pexpr = paren1 E paren2	

kwdwhile	kwdif
Stmts = Stmt semi Stmts	Stmts = Stmt semi Stmts
Stmt = Wstmt	Stmt = Fstmt
Wstmt = kwdwhile Pexpr Block	
	Fstmt = kwdif Pexpr Block Else2

kwdelseif	kwdelse	comma
Else2 = kwdelseif Pexpr Block Else2	Else2 = kwdelse Block	
		Elist2 = comma Elist
		E' = eps
		T' = eps

int	float	string	plus
Y = E	Y = E	Y = E	
Elist = E Elist2	Elist = E Elist2	Elist = E Elist2	
			E' = Opadd T E'
E = TE'	E = TE'	E = TE'	
			T' = eps
T = FT'	T = FT'	T = FT'	
F = Fatom	F = Fatom	F = Fatom	
Fatom = int	Fatom = float	Fatom = string	
			Opadd = plus

minus	aster	slash	caret
E' = Opadd T E'			
T' = eps	T' = Opmul F T'	T' = Opmul F T'	T' = Opmul F T'
Opad = minus			
	Opmul = aster	Opmul = slash	Opmul = caret

$