1 program :PROGTOK IDTOK ‘(‘‘)’CONSTPART VARPART BEGTOK stat morestats ENDTOK IDTOK'.'

2|3 CONSTPART : CONSTTOK constdecl moreconsdecls | <empty>

4|5 VARPAET : VARTOK vardecl morevardecls | <empty>

6|7 moreconstdecls : constdecl moreconsdecls | <empty>

8|9 morevardecls : vardecl morevardecls | <empty>

10 vardecl : IDTOK ':' BASTYPETOK ';'

11 constdecl : IDTOK '=' LITTOK ';'

12|13 morestats : ‘;” statmt morestats | <empty>

14|15|16|17|18|19 statmt : assignstat| ifstat| readstat| writestat

| blockst | whilest

20 assignstat : idnonterm ASTOK express

21 ifstat : IFTOK express THENTOK stat

22 readstat : READTOK '(' idnonterm ')'

23 writestat : WRITETOK '(' writeexp ')'

24 whilest : WHILETOK express DOTOK stat

25 blockst : varpart BEGINTOK stats ENDTOK

26|27 writeexp : STRLITTOK | express

28 express : term expprime

29|30 expprime : ADDOPTOK term expprime | <empty>

31 term : relfactor termprime

32|33 termprime : MULOPTOK relfactor termprime | <empty>

34 relfactor : factor factorprime

35|36 factorprime : RELOPTOK factor | <empty>

37|38|39|40factor : NOTTOK factor| idnonterm| LITTOK

| '(' express ')'

41 idnonterm : IDTOK