

#	Expression	Predict
1	$A \rightarrow \text{PROG ID POINTCOMMA B POINTFINAL}$	PROG
2	$B \rightarrow \text{BEGIN P N}$	BEGIN
3	$B \rightarrow \text{D C}$	VAR
4	$B \rightarrow \text{I M}$	PROC, FUNC
5	$C \rightarrow \text{M}$	BEGIN
6	$C \rightarrow \text{I M}$	PROC, FUNC
7	$D \rightarrow \text{VAR F POINTCOMMA E}$	VAR
8	$E \rightarrow \text{F POINTCOMMA E}$	ID
9	$E \rightarrow \varepsilon$	BEGIN, PROC, FUNC
10	$F \rightarrow \text{ID G TWOPOINT H}$	ID
11	$G \rightarrow \text{COMMA ID G}$	COMMA
12	$G \rightarrow \varepsilon$	TWOPOINT
13	$H \rightarrow \text{INT}$	INT
14	$H \rightarrow \text{BOOL}$	BOOL
15	$I \rightarrow \text{K POINTCOMMA J}$	PROC
16	$I \rightarrow \text{L POINTCOMMA J}$	FUNC
17	$J \rightarrow \text{I}$	PROC, FUNC
18	$J \rightarrow \varepsilon$	BEGIN
19	$K \rightarrow \text{PROC ID POINTCOMMA B}$	PROC
20	$L \rightarrow \text{FUNC ID TWOPOINT H POINTCOMMA B}$	FUNC
21	$M \rightarrow \text{BEGIN P N}$	BEGIN
22	$N \rightarrow \text{POINTCOMMA O}$	POINTCOMMA
23	$N \rightarrow \text{END}$	END
24	$O \rightarrow \text{P N}$	ID, IF, WHILE, READ, WRITE, BEGIN
25	$O \rightarrow \text{END}$	END
26	$P \rightarrow \text{ID Q}$	ID
27	$P \rightarrow \text{IF S THEN P R}$	IF
28	$P \rightarrow \text{WHILE S DO P}$	WHILE
29	$P \rightarrow \text{READ PARE ID PARD}$	READ
30	$P \rightarrow \text{WRITE PARE ID PARD}$	WRITE
31	$P \rightarrow \text{BEGIN P N}$	BEGIN

32	$Q \rightarrow \text{ATRIB } S$	ATRIB
33	$Q \rightarrow \varepsilon$	ELSE, POINTCOMMA, END
34	$R \rightarrow \text{ELSE } P$	ELSE
35	$R \rightarrow \varepsilon$	ELSE, POINTCOMMA, END
36	$S \rightarrow V T$	ADD, SUB, NUM, ID, PARE, TRUE, FALSE, NOT
37	$T \rightarrow U V$	DIFF, EQUAL, SMALL, SMALLEQUAL, BIGGER, BIGGEREQUAL
38	$T \rightarrow \varepsilon$	PARD, THEN, DO, ELSE, POINTCOMMA, END
39	$U \rightarrow \text{DIFF}$	DIFF
40	$U \rightarrow \text{EQUAL}$	EQUAL
41	$U \rightarrow \text{SMALL}$	SMALL
42	$U \rightarrow \text{SMALLEQUAL}$	SMALLEQUAL
43	$U \rightarrow \text{BIGGER}$	BIGGER
44	$U \rightarrow \text{BIGGEREQUAL}$	BIGGEREQUAL
45	$V \rightarrow \text{ADD } W X$	ADD
46	$V \rightarrow \text{SUB } W X$	SUB
47	$V \rightarrow W X$	NUM, ID, PARE, TRUE, FALSE, NOT
48	$X \rightarrow \text{ADD } W X$	ADD
49	$X \rightarrow \text{SUB } W X$	SUB
50	$X \rightarrow \text{OR } W X$	OR
51	$X \rightarrow \varepsilon$	DIFF, EQUAL, SMALL, SMALLEQUAL, BIGGER, BIGGEREQUAL, PARD, THEN, DO, ELSE, POINTCOMMA, END
52	$W \rightarrow Z Y$	NUM, ID, PARE, TRUE, FALSE, NOT
53	$Y \rightarrow \text{MULT } Z Y$	MULT
54	$Y \rightarrow \text{DIV } Z Y$	DIV
55	$Y \rightarrow \text{AND } Z Y$	AND
56	$Y \rightarrow \varepsilon$	ADD, SUB, OR, DIFF, EQUAL, SMALL, SMALLEQUAL, BIGGER, BIGGEREQUAL, PARD, THEN, DO, ELSE, POINTCOMMA, END
57	$Z \rightarrow \text{NUM}$	NUM
58	$Z \rightarrow \text{ID}$	ID
59	$Z \rightarrow \text{PARE } S \text{ PARD}$	PARE
60	$Z \rightarrow \text{TRUE}$	TRUE
61	$Z \rightarrow \text{FALSE}$	FALSE
62	$Z \rightarrow \text{NOT } Z$	NOT