```
 1:      P -> Fs M
 2:      M -> main ( ) { Sms }
 3:     Fs -> F Fs
 4:        | ε
 5:      F -> R id ( Ps ) { Sms }
 6:      R -> void
 7:        | V
 8:     Ps -> Pm Mp
 9:        | ε
10:     Mp -> , Pm Mp
11:        | ε
12:     Pm -> V id
13:    Sms -> S  Sms
14:        | ε
15:      S -> Cs
16:        | Ls
17:        | Ds
18:        | id S'
19:        | Prs
20:        | Ins
21:     S' -> As
22:        | Fc
23:      E -> T E'
24:     E' -> Ae
25:        | Re
26:      T -> id
27:        | intnum
28:        | floatnum
29:     Ae -> Fac''
30:     Re -> && E
31:        | || E
32:        | < E
33:        | > E
34:        | == E
35:        | ε
36:     Ds -> V Vl ;
37:      V -> int
38:        | float
39:     Vl -> id Vn Vl'
40:     Vn -> := T Ae
41:        | ε
42:     As -> := T Ae ;
43:     Ls -> for ( Ds  T Re ; id As ) { Sms }
44:     Cs -> if ( T Re ) { Sms }
45:     Fc -> ( Ps ) ;
46:    Prs -> cout ( C ) ;
47:      C -> printstring
48:        | id
49:    Ins -> cin ( id ) ;
50:    Ae' -> + T Fac'' Ae'
51:        | - T Fac'' Ae'
52:        | ε
53:  Fac'' -> * T Fac''
54:        | / T Fac''
55:        | ε
56:    Vl' -> , id Vn Vl'
57:        | ε
58:     E' -> ε
59:     Ae -> ε
```

Legend: cells contain GOTO/action numbers. "R" = red cell (Synch). Blank tan = Skip.

| # | | 31 - | 32 $ | 33 && | 34 ( | 35 ) | 36 * | 37 , | 38 / | 39 := | 40 ; | 41 { | 42 \|\| | 43 } | 44 + | 45 < | 46 == | 47 > | 48 cin | 49 cout | 50 float | 51 floatnum | 52 for | 53 id | 54 if | 55 int | 56 intnum | 57 main | 58 printstring | 59 void |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Ae | 29 | | | | 59 | 29 | 59 | 29 | | 59 | | | | 29 | | | | | | | | | | | | | | | |
| 1 | Ae' | 51 | | | | 52 | | 52 | | | 52 | | | | 50 | | | | | | | | | | | | | | | |
| 2 | As | | | | | R | | | | 42 | | | | R | | | | | R | R | R | | R | R | R | | | | | |
| 3 | C | | | | | R | | | | | | | | | | | | | | | | | | 48 | | | | | 47 | |
| 4 | Cs | | | | | R | | | | | | | | R | | | | | R | R | | | R | R | 44 | | | | | |
| 5 | Ds | | | | | | | | | | | | | R | | | | | | | 36 | R | | | | R | 36 | R | | |
| 6 | E | | | | | R | | | | | R | | | | | | | | | | | 23 | | 23 | | | 23 | | | |
| 7 | E' | 24 | | 25 | | 58 | 24 | | 24 | | 58 | | 25 | | 24 | 25 | 25 | 25 | | | | | | | | | | | | |
| 8 | F | | | | | | | | | | | | | | | | | | | | 5 | | | | | 5 | | R | | 5 |
| 9 | Fac'' | 55 | | | | 55 | 53 | 55 | 54 | | 55 | | | | 55 | | | | | | | | | | | | | | | |
| 10 | Fc | | | | 45 | | | | | | | | | | | | | | R | R | R | | R | R | R | | | | | |
| 11 | Fs | | | | | | | | | | | | | 3 | | | | | | | | | | | 3 | | | 4 | | 3 |
| 12 | Ins | | | | | | | | | | | | | R | | | | | | 49 | R | | R | R | R | R | | | | |
| 13 | Ls | | | | | | | | | | | | | | | | | | | | | | | 43 | | | | | | |
| 14 | M | | R | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 15 | Mp | | | | | 11 | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| 16 | P | | R | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | 1 | | 1 |
| 17 | Pm | | | | | R | | R | | | | | | | | | | | | | | | 12 | | | 12 | | | | |
| 18 | Prs | | | | | | | | | | | | | R | | | | | R | 46 | | | R | R | R | | | | | |
| 19 | Ps | | | | | 9 | | | | | | | | | | | | | | | | | 8 | | | 8 | | | | |
| 20 | R | | | | | | | | | | | | | | | | | | | | | | 7 | R | | 7 | | | | 6 |
| 21 | Re | | | 30 | | 35 | | | | | 35 | | 31 | | | 32 | 34 | 33 | | | | | | | | | | | | |
| 22 | S | | | | | | | | | | | | | R | | | | | 20 | 19 | 17 | | 16 | 18 | 15 | 17 | | | | |
| 23 | S' | | | | 22 | | | | | 21 | | | | | | | | | | | | | | | | | | | | |
| 24 | Sms | | | | | | | | | | | | | 14 | | | | | 13 | 13 | 13 | | 13 | 13 | 13 | 13 | | | | |
| 25 | T | R | | R | | R | R | R | R | | R | | R | | R | R | R | R | | | | 28 | | 26 | | | | 27 | | |
| 26 | V | | | | | | | | | | | | | | | | | | | | 38 | | | R | | | 37 | | | |
| 27 | Vl | | | | | | | | | | R | | | | | | | | | | | | | 39 | | | | | | |
| 28 | Vl' | | | | | | | 56 | | | 57 | | | | | | | | | | | | | | | | | | | |
| 29 | Vn | | | | | | | 41 | | 40 | 41 | | | | | | | | | | | | | | | | | | | |

Legend: Skip · Synch