```
 0 var m;
 1
 1   procedure a(i);
 2
 2     procedure b(j);
 3
 3       procedure c(k);
 4
 4       begin
 5         if k<105 then
 8           call c(k+2)
15         else
15           call stop
16       end;
18
18     begin
19       if j<15 then
22         call b(j+1)
29       else
29         begin
30           m:=i+j;
34           call c(100)
38         end
38     end;
39
39   begin
40     if i<5 then
43       call a(i+1)
50     else
50       call b(10)
55   end;
56
56 begin
57   call a(1)
61 end.
```

```
 0   jmp   0    56
 1   jmp   0    39
 2   jmp   0    18
 3   jmp   0     4
 4   int   0     4 code for c
 5   lod   0     3 k
 6   lit   0   105
 7   opr   0    10 <
 8   jpc   0    16
 9   int   0     3 push args(s) for c
10   lod   0     3 k
11   lit   0     2
12   opr   0     2 +
13   int   0    -4 -(3+number of args)
14   cal   1     4 c
15   jmp   0    17
16   cal   3    -7 stop
17   opr   0     0 return
18   int   0     4 code for b
19   lod   0     3 j
20   lit   0    15
21   opr   0    10 <
22   jpc   0    30
23   int   0     3 push args(s) for b
24   lod   0     3 j
25   lit   0     1
26   opr   0     2 +
27   int   0    -4 -(3+number of args)
28   cal   1    18 b
29   jmp   0    38
30   lod   1     3 i
31   lod   0     3 j
32   opr   0     2 +
33   sto   2     5 m
34   int   0     3 push args(s) for c
35   lit   0   100
36   int   0    -4 -(3+number of args)
37   cal   0     4 c
38   opr   0     0 return
39   int   0     4 code for a
40   lod   0     3 i
41   lit   0     5
42   opr   0    10 <
43   jpc   0    51
44   int   0     3 push args(s) for a
45   lod   0     3 i
46   lit   0     1
47   opr   0     2 +
48   int   0    -4 -(3+number of args)
49   cal   1    39 a
50   jmp   0    55
51   int   0     3 push args(s) for b
52   lit   0    10
53   int   0    -4 -(3+number of args)
54   cal   0    18 b
55   opr   0     0 return
56   int   0     6 code for driver
57   int   0     3 push args(s) for a
58   lit   0     1
59   int   0    -4 -(3+number of args)
60   cal   0    39 a
61   opr   0     0 return
```

```
b=63 p=17
  66      106
  65       15 ret adr
  64       59 d.l.
  63       47 s.l.
  62      104
  61       15 ret adr
  60       55 d.l.
  59       47 s.l.
  58      102
  57       15 ret adr
  56       51 d.l.
  55       47 s.l.
  54      100
  53       38 ret adr
  52       47 d.l.
  51       47 s.l.
  50       15
  49       29 ret adr
  48       43 d.l.
  47       23 s.l.
  46       14
  45       29 ret adr
  44       39 d.l.
  43       23 s.l.
  42       13
  41       29 ret adr
  40       35 d.l.
  39       23 s.l.
  38       12
  37       29 ret adr
  36       31 d.l.
  35       23 s.l.
  34       11
  33       29 ret adr
  32       27 d.l.
  31       23 s.l.
  30       10
  29       55 ret adr
  28       23 d.l.
  27       23 s.l.
  26        5
  25       50 ret adr
  24       19 d.l.
  23        1 s.l.
  22        4
  21       50 ret adr
  20       15 d.l.
  19        1 s.l.
  18        3
  17       50 ret adr
  16       11 d.l.
  15        1 s.l.
  14        2
  13       50 ret adr
  12        7 d.l.
  11        1 s.l.
  10        1
   9       61 ret adr
   8        1 d.l.
   7        1 s.l.
   6       20
   5  -999999
   4  -999999
   3        0 ret adr
   2        0 d.l.
   1        0 s.l.
```

Label the RTS locations (with PL/0 variable names) that are *accessible* at the `call stop`