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```

1 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/begin-1
2 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
3 > % =====
4 % begin. (value=3)
5
6 begin
7   1;
8   2;
9   3
10 end
11
12 % =====
13 3
14 >
15 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/begin-2
16 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
17 > % =====
18 % begin. (value=#t)
19
20 begin
21   1;
22   zero?(0)
23 end
24
25 % =====
26 #t
27 >
28 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/begin-3
29 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
30 > % =====
31 % begin. (value=77)
32
33 begin
34   1;
35   zero?(0);
36   if zero?(10) then 33 else 77
37 end
38
39 % =====
40 77
41 >
42 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/counter
43 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
44 > % =====
45 % function counter. (value=-1)
46
47 let g=let counter=0
48   in proc(dummy) begin
49     set counter=-(counter,-1);
50     counter
51   end
52 in -((g 11),(g 22))
53
54 % =====
55 -1
56 >
57 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/currying
58 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
59 > % =====
60 % Currying. (value=12)
61
62 let f=proc(x) proc(y)
63   begin
64     set x=-(x,-1);
65     -(x,y)
66   end

```

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```

67 in ((f 44) 33)
68
69 % =====
70 12
71 >
72 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/even-odd
73 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
74 > % =====
75 % functions even and odd in IMPLICIT-REF. pl17. (value=1)
76
77 let x=0
78 in letrec
79   even(dummy)
80     = if zero?(x)
81       then 1
82       else begin
83         set x=-(x,1);
84         (odd 888)
85       end
86   odd(dummy)
87     = if zero?(x)
88       then 0
89       else begin
90         set x=-(x,1);
91         (even 888)
92       end
93 in begin
94   set x=7;
95   (odd 888)
96 end
97
98 % =====
99 1
100 >
101 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/fib
102 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
103 > % =====
104 % fib. (value=13)
105
106 letrec fib(n)
107   = if zero?(n)
108     then 0
109     else if zero?(-(n,1))
110       then 1
111       else -((fib -(n,1)),-(0,(fib -(n,2))))
112 in (fib 7)
113
114 % =====
115 13
116 >
117 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/variable-1
118 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
119 > % =====
120 % variables in IMPLICIT-REFS. (value=17)
121
122 let x=17
123 in x
124
125 % =====
126 17
127 >
128 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/variable-2
129 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
130 > % =====
131 % variables in IMPLICIT-REFS. (value=77)
132

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```
133 let x=17
134 in begin
135     set x=77;
136     x
137 end
138
139 % =====
140 77
141 >
142 [dshin@acacia implicit-refs]$ implicit-refs /home/pl/hw08/tests/variable-3
143 Welcome to MzScheme v370 [3m], Copyright (c) 2004-2007 PLT Scheme Inc.
144 > % =====
145 % variables in IMPLICIT-REFS. (value=76)
146
147 let x=17
148 in begin
149     set x=77;
150     set x=-(x,1)
151 end
152
153 % =====
154 76
155 >
156 [dshin@acacia implicit-refs]$
```