```
createV(10) returned: True
     createV(20) returned: True
     createV(30) returned: True
     createV(40) returned: True
     createV(50) returned: True
     createV(60) returned: True
 7
     addEdge(10,20,1) returned: True
8
     addEdge(20,40,3) returned: True
9
     addEdge(10,30,12) returned: True
10
     addEdge(20,30,9) returned: True
11
     addEdge (40,30,4) returned: True
12
     addEdge(30,50,5) returned: True
13
     addEdge(40,60,15) returned: True
14
     addEdge(40,50,13) returned: True
15
     addEdge(50,60,4) returned: True
16
     Graph info:
17
       Graph size = 40
18
       vCount = 6
19
       eCount = -1044431023
20
21
     Graph contents:
22
       Node(0,10): 0 1 12 0 0 0
23
       Node(1,20): 0 0 9 3 0 0
24
       Node(2,30): 0 0 0 0 5 0
25
       Node (3,40): 0 0 4 0 13 15
26
       Node (4,50): 0 0 0 0 4
27
       Node (5,60): 0 0 0 0 0
28
     Degree table (in, out)
29
       Node (0,10): 0, 2
       Node (1,20): 1, 2
30
31
       Node (2,30): 3, 1
32
       Node (3,40): 1, 3
33
       Node (4,50): 2, 1
34
       Node (5,60): 2, 0
35
     10 does not have a path to 10
36
     10 does have a path to 20
37
     10 does have a path to 30
38
     10 does have a path to 40
39
     10 does have a path to 50
40
     10 does have a path to 60
41
     20 does not have a path to 10
42
     20 does not have a path to 20
43
     20 does have a path to 30
44
    20 does have a path to 40
45
     20 does have a path to 50
46
     20 does have a path to 60
47
     30 does not have a path to 10
48
     30 does not have a path to 20
49
     30 does not have a path to 30
50
     30 does not have a path to 40
51
     30 does have a path to 50
52
     30 does have a path to 60
53
     40 does not have a path to 10
54
    40 does not have a path to 20
55
    40 does have a path to 30
56
     40 does not have a path to 40
57
     40 does have a path to 50
58
     40 does have a path to 60
59
     50 does not have a path to 10
60
     50 does not have a path to 20
61
     50 does not have a path to 30
62
     50 does not have a path to 40
63
     50 does not have a path to 50
64
     50 does have a path to 60
65
     60 does not have a path to 10
66
     60 does not have a path to 20
67
     60 does not have a path to 30
68
     60 does not have a path to 40
69
     60 does not have a path to 50
```

```
60 does not have a path to 60
 71
      *** start of bfPrint() output
 72
         Printing from 10
 73
                   Item 0 is (0,10)
 74
                   Item 1 is (1,20)
 75
                   Item 2 is (2,30)
 76
                   Item 3 is (3,40)
 77
                   Item 4 is (4,50)
 78
                   Item 5 is (5,60)
 79
         Printing from 20
 80
                   Item 0 is (1,20)
                   Item 1 is (2,30)
 81
 82
                   Item 2 is (3,40)
                   Item 3 is (4,50)
 83
                   Item 4 is (5,60)
 84
 85
                   Item 0 is (1,20)
         Printing from 30
 86
 87
                   Item 0 is (2,30)
 88
                   Item 1 is (4,50)
 89
                   Item 2 is (5,60)
 90
                   Item 0 is (2,30)
 91
                   Item 0 is (2,30)
 92
                   Item 0 is (2,30)
 93
         Printing from 40
                   Item 0 is (3,40)
 94
 95
                   Item 1 is (2,30)
 96
                   Item 2 is (4,50)
 97
                   Item 3 is (5,60)
 98
                   Item 0 is (3,40)
 99
                   Item 0 is (3,40)
100
         Printing from 50
101
                   Item 0 is (4,50)
102
                   Item 1 is (5,60)
                   Item 0 is (4,50)
103
104
                   Item 0 is (4,50)
                   Item 0 is (4,50)
105
                   Item 0 is (4,50)
106
107
         Printing from 60
108
                   Item 0 is (5,60)
109
                   Item 0 is (5,60)
110
                   Item 0 is (5,60)
111
                   Item 0 is (5,60)
112
                   Item 0 is (5,60)
113
                   Item 0 is (5,60)
114
      *** end of bfPrint() output
115
      *** start of minPath output
116
         MinPaths for 10
117
            to 10: 0
118
            to 20: 1
119
            to 30: 8
120
            to 40: 4
121
            to 50: 15
122
            to 60: 19
123
         MinPaths for 20
124
            to 10: 1000000
125
            to 20: 0
126
            to 30: 7
            to 40: 3
127
128
            to 50: 14
129
            to 60: 18
130
         MinPaths for 30
131
            to 10: 1000000
132
            to 20: 1000000
133
            to 30: 0
134
            to 40: 1000000
135
            to 50: 5
136
            to 60: 9
         MinPaths for 40
137
            to 10: 1000000
138
```

```
to 20: 1000000
          to 30: 4
140
141
          to 40: 0
142
           to 50: 9
to 60: 13
144 MinPaths for 50
145
       to 10: 1000000
146
          to 20: 1000000
147
          to 30: 1000000
148
          to 40: 1000000
149
          to 50: 0
150
           to 60: 4
151
152
        MinPaths for 60
          to 10: 1000000
153
           to 20: 1000000
           to 30: 1000000
154
           to 40: 1000000
155
156
           to 50: 1000000
157
           to 60: 0
158 *** end of minPath() output
159 *** start of isCyclic output
160 This program version does not do isCyclic testing.
161 *** end of isCyclic output
162
```