

Java version used for this program is 1.8.0_141
GraphTest.java starts

----- 13 -----

UNDIRECTED GRAPH

Num Vertices = 7

Num Edges = 24

1 Fanouts: 2,3,4

1 FanIns: 2,3,4

2 Fanouts: 1,5,4

2 FanIns: 1,5,4

3 Fanouts: 1,6,4

3 FanIns: 1,6,4

4 Fanouts: 1,2,3,5,7,6

4 FanIns: 1,2,3,5,7,6

5 Fanouts: 2,4,7

5 FanIns: 2,4,7

6 Fanouts: 3,7,4

6 FanIns: 3,7,4

7 Fanouts: 4,5,6

7 FanIns: 4,5,6

----- 14 -----

WEIGHTED_UNDIRECTED GRAPH

Num Vertices = 6

Num Edges = 20

1 Fanouts: 2,3,4

1 FanIns: 2,3,4

2 Fanouts: 1,3,5

2 FanIns: 1,3,5

3 Fanouts: 1,2,4,5,6

3 FanIns: 1,2,4,5,6

4 Fanouts: 1,3,6

4 FanIns: 1,3,6

5 Fanouts: 2,3,6

5 FanIns: 2,3,6

6 Fanouts: 3,4,5

6 FanIns: 3,4,5

----- 15 -----

DIRECTED GRAPH

Num Vertices = 6

Num Edges = 6

A Fanouts: B

A FanIns: NONE

B Fanouts: C

B FanIns: A,D

E Fanouts: F,D

E FanIns: C

F Fanouts: NONE

F FanIns: E

D Fanouts: B

D FanIns: E

C Fanouts: E

C FanIns: B

----- 16 -----

WEIGHTED_DIRECTED GRAPH

Num Vertices = 5

```
Num Edges    = 6
A Fanouts: C,D
A FanIns: B,E
C Fanouts: B,D
C FanIns: A
D Fanouts: NONE
D FanIns: A,C
B Fanouts: A
B FanIns: C
E Fanouts: A
E FanIns: NONE
GraphTest.java Ends
goggle: grapviz online
```