

Java version used for this program is 12.0.2
GraphTest.java starts

2.txt
Num Verticies = 5
Num Edges = 5
Work done = 10
Has Cycle = NO
DFS topological order = 1 3 2 4 5

3.txt
Num Verticies = 5
Num Edges = 6
Work done = 11
Has Cycle = YES
DFS topological order = 0 1 3 4 2
This order has no meaning

7.txt
Num Verticies = 7
Num Edges = 12
Work done = 19
Has Cycle = NO
DFS topological order = 0 3 1 2 4 5 6

8.txt
Num Verticies = 5
Num Edges = 10
Work done = 15
Has Cycle = YES
DFS topological order = 1 0 2 3 4
This order has no meaning

1.txt
Num Verticies = 5
Num Edges = 8
Work done = 13
Has Cycle = NO
DFS topological order = 1 3 5 4 2

4.txt
Num Verticies = 3
Num Edges = 3
Work done = 6
Has Cycle = NO
DFS topological order = A C B

9.txt
Num Verticies = 3
Num Edges = 3
Work done = 6
Has Cycle = YES
DFS topological order = A B C
This order has no meaning

tinyDG.txt
Num Verticies = 13
Num Edges = 22
Work done = 35
Has Cycle = YES
DFS topological order = 7 6 8 9 11 4 2 0 1 3 5 10 12
This order has no meaning

mediumDG.txt
Num Verticies = 50
Num Edges = 147
Work done = 147
Has Cycle = YES
DFS topological order = 10 0 7 41 28 44 39 18 42 31 32 29 49 34
2 25 19 40 15 8 48 33 12 26 22 6 13 23 11 30 37 47 5 43 38 35 9
46 16 21
This order has no meaning
We have unvisited vertices starting from 10
GraphTest.java Ends
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