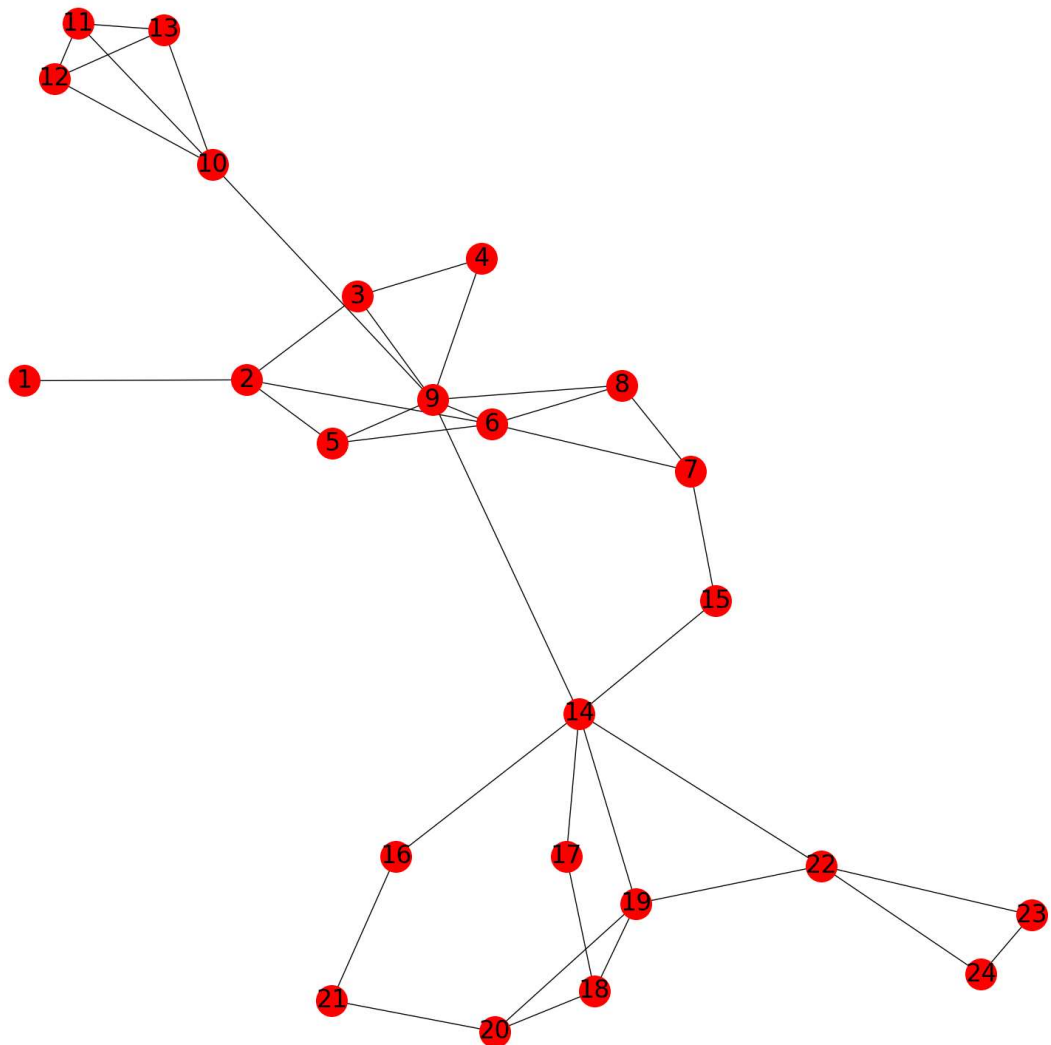


"C:\Program Files\python.exe" C:/.../Finding_key_actors.py
sawmill_strike network 1997



number of nodes 24
number of edges 38
density of networks 0.13768115942028986
average degree 3.1666666666666665
diameter: 6
dgree centrality
9 0.30434782608695654
14 0.2608695652173913
6 0.21739130434782608
2 0.17391304347826086
10 0.17391304347826086
19 0.17391304347826086
22 0.17391304347826086
3 0.13043478260869565
5 0.13043478260869565

7 0.13043478260869565
8 0.13043478260869565
11 0.13043478260869565
12 0.13043478260869565
13 0.13043478260869565
18 0.13043478260869565
20 0.13043478260869565
4 0.08695652173913043
15 0.08695652173913043
16 0.08695652173913043
17 0.08695652173913043
21 0.08695652173913043
23 0.08695652173913043
24 0.08695652173913043
1 0.043478260869565216
closeness centrality
9 0.5111111111111111
14 0.5
6 0.39655172413793105
19 0.38333333333333336
5 0.3770491803278688
8 0.3770491803278688
10 0.3770491803278688
22 0.3770491803278688
3 0.3709677419354839
15 0.3709677419354839
4 0.359375
16 0.35384615384615387
17 0.35384615384615387
7 0.34328358208955223
2 0.3108108108108108
20 0.2987012987012987
18 0.2948717948717949
11 0.2839506172839506
12 0.2839506172839506
13 0.2839506172839506
21 0.2804878048780488
23 0.2804878048780488
24 0.2804878048780488
1 0.23958333333333334
betweenness centrality
9 0.6152832674571804
14 0.5718050065876152
10 0.23715415019762845

22 0.1660079051383399
19 0.11989459815546771
2 0.09222661396574439
6 0.0856389986824769
16 0.06719367588932806
3 0.04743083003952571
5 0.03952569169960474
15 0.03952569169960474
17 0.03096179183135704
7 0.017786561264822132
20 0.017127799736495385
8 0.013175230566534914
18 0.007905138339920948
21 0.005270092226613965
1 0.0
4 0.0
11 0.0
12 0.0
13 0.0
23 0.0
24 0.0
eigenvector centrality
9 0.48550248001297686
6 0.3930610590505457
5 0.29328747229462526
8 0.2801685674987175
14 0.2705650538150313
2 0.25652398311879626
3 0.24017466852720915
10 0.21424264699119358
7 0.2057509138771147
4 0.18750273651861835
19 0.13998418885347427
22 0.12937158108389685
15 0.12307201290471038
13 0.11455468290167929
11 0.11455468290167928
12 0.11455468290167922
17 0.0896153152412126
16 0.07960114836026837
18 0.07626607855788489
1 0.06628147091883589
20 0.065567123581343
23 0.04507372505848297

24 0.04507372505848293

21 0.03750903318298963

k-shell value

10 5

11 5

12 5

13 5

9 4

19 3

2 2

3 2

4 2

5 2

6 2

7 2

8 2

14 2

15 2

16 2

17 2

18 2

20 2

21 2

22 2

23 2

24 2

1 1

K-shell mixed eigenvector centrality

9 1.9420099200519074

10 1.071213234955968

6 0.7861221181010914

5 0.5865749445892505

13 0.5727734145083965

11 0.5727734145083964

12 0.5727734145083961

8 0.560337134997435

14 0.5411301076300626

2 0.5130479662375925

3 0.4803493370544183

19 0.4199525665604228

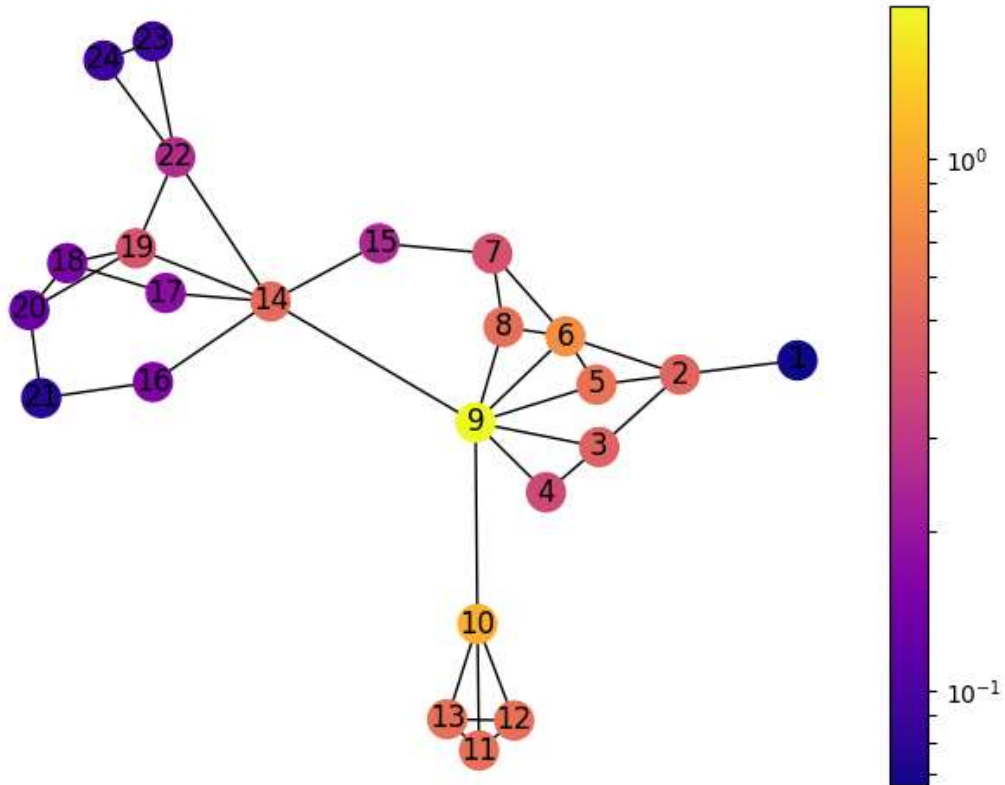
7 0.4115018277542294

4 0.3750054730372367

22 0.2587431621677937

15 0.24614402580942077

17 0.1792306304824252
16 0.15920229672053673
18 0.15253215711576978
20 0.131134247162686
23 0.09014745011696594
24 0.09014745011696586
21 0.07501806636597926
1 0.06628147091883589



Process finished with exit code 0