CLIQUES

Minimum Set Size: 3
Input dataset: Q6 (C:\Users\Sota\Desktop\Question⋄rio fase 1 Sota\Q6\Q6)

NOTE: Directed graph. You may prefer to symmetrize first.
25 cliques found.

```
   1:  M1 E2 E4 E6 E9 OT1 A2 A3 A4
   2:  M1 E4 E6 E9 E11
   3:  E4 E6 E8 E9
   4:  E4 E6 E9 OT3 OT7
   5:  E4 E6 E9 OT7 OT8
   6:  E4 E6 E7 E11
   7:  M1 E2 E4 E6 A1 A2 A3 A4
   8:  E4 E6 OT8 A1
   9:  E4 E5 E11
  10:  E4 E5 OT3
  11:  M1 E1 E4 E10 OT6
  12:  M1 E1 E4 E11
  13:  E1 E4 E10 OT3 OT6
  14:  E4 E10 OT3 OT6 OT7
  15:  E4 E7 E10
  16:  M1 E4 E10 A1
  17:  E4 E13 OT1 A2 A3
  18:  E4 OT6 OT7 OT8
  19:  M1 M4 E11
  20:  E1 E10 OT3 OT5
  21:  E10 OT3 OT5 OT7
  22:  OT3 OT9 OT10
  23:  E2 A4 A6
  24:  A4 A6 A14
  25:  A1 A2 A3 A4 A11 A14
```

Clique Participation Scores: Prop. of clique members that each node is adjacent to

```
              1     2     3     4     5     6     7     8     9    10    11    12    13    14
15    16    17    18    19    20    21    22    23    24    25
```

1	M1	1.000	1.000	0.750	0.600	0.600	0.750	1.000	0.750	0.667	0.333	1.000	1.000	0.800	0.600	0.667	1.000	0.800	0.500	1.000	0.500	0.250	0.333	0.667	0.333	0.667
2	M2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	M3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.000	0.200	0.200	0.333	0.250	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000
4	M4	0.111	0.400	0.000	0.000	0.000	0.250	0.125	0.000	0.333	0.000	0.200	0.500	0.000	0.000	0.000	0.250	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000
5	M5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	E1	0.222	0.600	0.250	0.400	0.200	0.500	0.250	0.250	0.667	0.667	1.000	1.000	1.000	0.800	0.667	0.750	0.200	0.500	0.667	1.000	0.750	0.333	0.000	0.000	0.000
7	E2	1.000	0.800	0.750	0.600	0.600	0.500	1.000	0.750	0.333	0.333	0.400	0.500	0.200	0.200	0.333	0.750	0.800	0.250	0.333	0.000	0.000	0.000	1.000	0.667	0.667
8	E3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	E4	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.667	0.750	0.750	0.333	0.667	0.333
10	E5	0.111	0.400	0.250	0.400	0.200	0.500	0.125	0.250	1.000	1.000	0.200	0.500	0.400	0.400	0.333	0.250	0.200	0.250	0.333	0.250	0.250	0.333	0.000	0.000	0.000
11	E6	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.667	0.667	0.400	0.750	0.400	0.600	0.667	0.750	0.800	0.750	0.667	0.250	0.500	0.333	0.667	0.333	0.667
12	E7	0.222	0.600	0.500	0.400	0.400	1.000	0.250	0.500	0.667	0.333	0.400	0.500	0.400	0.400	1.000	0.500	0.200	0.250	0.333	0.250	0.250	0.000	0.000	0.000	0.000
13	E8	0.333	0.600	1.000	0.600	0.600	0.500	0.250	0.500	0.333	0.333	0.200	0.250	0.200	0.200	0.333	0.250	0.200	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	E9	1.000	1.000	1.000	1.000	1.000	0.750	0.875	0.750	0.667	0.667	0.400	0.750	0.400	0.600	0.333	0.500	0.800	0.750	0.667	0.250	0.500	0.333	0.667	0.333	0.500
15	E10	0.222	0.400	0.250	0.600	0.400	0.500	0.375	0.500	0.333	0.667	1.000	0.750	1.000	1.000	1.000	1.000	0.200	0.750	0.333	1.000	1.000	0.333	0.000	0.000	0.167
16	E11	0.444	1.000	0.750	0.600	0.600	1.000	0.375	0.500	1.000	0.667	0.600	1.000	0.400	0.200	0.667	0.500	0.200	0.250	1.000	0.250	0.000	0.000	0.000	0.000	0.000
17	E12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	E13	0.444	0.200	0.250	0.200	0.200	0.250	0.375	0.250	0.333	0.333	0.200	0.250	0.200	0.200	0.333	0.250	1.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.333
19	OT1	1.000	0.800	0.750	0.600	0.600	0.500	0.875	0.500	0.333	0.333	0.400	0.500	0.200	0.200	0.333	0.500	1.000	0.250	0.333	0.000	0.000	0.000	0.667	0.333	0.500

20 OT2 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.200 0.250 0.200 0.000
0.000 0.000 0.000 0.000 0.000 0.250 0.000 0.000 0.000 0.000 0.000
21 OT3 0.333 0.600 0.750 1.000 0.800 0.500 0.250 0.500 0.667 1.000 0.800 0.500 1.000 1.000
0.667 0.500 0.200 0.750 0.000 1.000 1.000 1.000 0.000 0.000 0.000
22 OT4 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
23 OT5 0.000 0.000 0.000 0.400 0.200 0.000 0.000 0.000 0.000 0.333 0.400 0.250 0.600 0.600
0.333 0.250 0.000 0.250 0.000 1.000 1.000 0.333 0.000 0.000 0.000
24 OT6 0.222 0.400 0.250 0.600 0.600 0.250 0.250 0.500 0.333 0.667 1.000 0.750 1.000 1.000
0.667 0.750 0.200 1.000 0.333 0.750 0.750 0.333 0.000 0.000 0.000
25 OT7 0.333 0.600 0.750 1.000 1.000 0.500 0.250 0.750 0.333 0.667 0.600 0.250 0.800 1.000
0.667 0.500 0.200 1.000 0.000 0.750 1.000 0.333 0.000 0.000 0.000
26 OT8 0.333 0.600 0.750 0.800 1.000 0.500 0.375 1.000 0.333 0.333 0.400 0.250 0.400 0.600
0.333 0.500 0.200 1.000 0.000 0.000 0.250 0.000 0.000 0.000 0.167
27 OT9 0.000 0.000 0.000 0.200 0.000 0.000 0.000 0.000 0.000 0.333 0.000 0.000 0.200 0.200
0.000 0.000 0.000 0.000 0.000 0.250 0.250 1.000 0.000 0.000 0.000
28 OT10 0.111 0.200 0.000 0.200 0.000 0.000 0.125 0.000 0.000 0.333 0.200 0.250 0.200 0.200
0.000 0.250 0.000 0.000 0.333 0.250 0.250 1.000 0.000 0.000 0.000
29 A1 0.778 0.600 0.500 0.400 0.600 0.500 1.000 1.000 0.333 0.333 0.600 0.500 0.400 0.400
0.667 1.000 0.600 0.500 0.333 0.250 0.250 0.000 0.667 0.667 1.000
30 A2 1.000 0.800 0.750 0.600 0.600 0.500 1.000 0.750 0.333 0.333 0.400 0.500 0.200 0.200
0.333 0.750 1.000 0.250 0.333 0.000 0.000 0.000 0.667 0.667 1.000
31 A3 1.000 0.800 0.750 0.600 0.600 0.500 1.000 0.750 0.333 0.333 0.400 0.500 0.200 0.200
0.333 0.750 1.000 0.250 0.333 0.000 0.000 0.000 0.667 0.667 1.000
32 A4 1.000 0.800 0.750 0.600 0.600 0.500 1.000 0.750 0.333 0.333 0.400 0.500 0.200 0.200
0.333 0.750 0.800 0.250 0.333 0.000 0.000 0.000 1.000 1.000 1.000
33 A5 0.111 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.200 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.167
34 A6 0.222 0.000 0.000 0.000 0.000 0.000 0.250 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 1.000 1.000 0.333
35 A7 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
36 A8 0.111 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.200 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.167
37 A9 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
38 A10 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
39 A11 0.333 0.000 0.000 0.000 0.000 0.000 0.500 0.250 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.250 0.400 0.000 0.000 0.000 0.000 0.000 0.333 0.667 1.000

40 A12 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
41 A13 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.333 0.167
42 A14 0.333 0.000 0.000 0.000 0.000 0.000 0.500 0.250 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.250 0.400 0.000 0.000 0.000 0.000 0.000 0.667 1.000 1.000
43 A15 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

Actor-by-Actor Clique Co-Membership Matrix

```
                1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43
               M1 M2 M3 M4 M5 E1 E2 E3 E4 E5 E6 E7 E8 E9 E1 E1 E1 E1 OT OT OT OT OT OT OT OT OT OT
A1 A2 A3 A4 A5 A6 A7 A8 A9 A1 A1 A1 A1 A1 A1
               -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
-- -- -- -- -- -- -- -- -- -- -- -- -- -- --
    1    M1   7  0  0  1  0  2  2  0  6  0  3  0  0  2  2  3  0  0  1  0  0  0  0  1  0  0  0  0
 2  2  2  2  0  0  0  0  0  0  0  0  0  0  0
    2    M2   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
    3    M3   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
    4    M4   1  0  0  1  0  0  0  0  0  0  0  0  0  0  0  1  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
    5    M5   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
    6    E1   2  0  0  0  0  4  0  0  3  0  0  0  0  0  3  1  0  0  0  0  2  0  1  2  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
    7    E2   2  0  0  0  0  0  3  0  2  0  2  0  0  1  0  0  0  0  1  0  0  0  0  0  0  0  0  0
 1  2  2  3  0  1  0  0  0  0  0  0  0  0  0
    8    E3   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
    9    E4   6  0  0  0  0  3  2  0 18  2  8  2  1  5  5  4  0  1  2  0  4  0  0  4  4  3  0  0
 3  3  3  2  0  0  0  0  0  0  0  0  0  0  0
   10    E5   0  0  0  0  0  0  0  0  2  2  0  0  0  0  0  1  0  0  0  0  1  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   11    E6   3  0  0  0  0  0  2  0  8  0  8  1  1  5  0  2  0  0  1  0  1  0  0  0  2  2  0  0
```

2 2 2 2 0 0 0 0 0 0 0 0 0 0 0
12 E7 0 0 0 0 0 0 0 0 2 0 1 2 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
13 E8 0 0 0 0 0 0 0 0 1 0 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
14 E9 2 0 0 0 0 0 1 0 5 0 5 0 1 5 0 1 0 0 1 0 1 0 0 0 2 1 0 0
0 1 1 1 0 0 0 0 0 0 0 0 0 0 0
15 E10 2 0 0 0 0 3 0 0 5 0 0 1 0 0 7 0 0 0 0 0 4 0 2 3 2 0 0 0
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
16 E11 3 0 0 1 0 1 0 0 4 1 2 1 0 1 0 5 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
17 E12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
18 E13 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0
0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
19 OT1 1 0 0 0 0 0 1 0 2 0 1 0 0 1 0 0 0 1 2 0 0 0 0 0 0 0 0 0
0 2 2 1 0 0 0 0 0 0 0 0 0 0 0
20 OT2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 OT3 0 0 0 0 0 2 0 0 4 1 1 0 0 1 4 0 0 0 0 0 7 0 2 2 3 0 1 1
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
22 OT4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
23 OT5 0 0 0 0 0 1 0 0 0 0 0 0 0 0 2 0 0 0 0 0 2 0 2 0 1 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
24 OT6 1 0 0 0 0 2 0 0 4 0 0 0 0 0 3 0 0 0 0 0 2 0 0 4 2 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
25 OT7 0 0 0 0 0 0 0 0 4 0 2 0 0 2 2 0 0 0 0 0 3 0 1 2 5 2 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
26 OT8 0 0 0 0 0 0 0 0 3 0 2 0 0 1 0 0 0 0 0 0 0 0 0 1 2 3 0 0
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
27 OT9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
28 OT10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
29 A1 2 0 0 0 0 0 1 0 3 0 2 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0
4 2 2 2 0 0 0 0 0 0 1 0 0 1 0
30 A2 2 0 0 0 0 0 2 0 3 0 2 0 0 1 0 0 0 1 2 0 0 0 0 0 0 0 0 0
2 4 4 3 0 0 0 0 0 0 1 0 0 1 0
31 A3 2 0 0 0 0 0 2 0 3 0 2 0 0 1 0 0 0 1 2 0 0 0 0 0 0 0 0 0

```
 2  4  4  3  0  0  0  0  0  0  1  0  0  1  0
   32    A4   2  0  0  0  0  0  3  0  2  0  2  0  0  1  0  0  0  0  1  0  0  0  0  0  0  0  0  0
 2  3  3  5  0  2  0  0  0  0  1  0  0  2  0
   33    A5   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   34    A6   0  0  0  0  0  0  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  2  0  2  0  0  0  0  0  0  0  1  0
   35    A7   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   36    A8   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   37    A9   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   38   A10   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   39   A11   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 1  1  1  1  0  0  0  0  0  0  1  0  0  1  0
   40   A12   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   41   A13   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
   42   A14   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 1  1  1  2  0  1  0  0  0  0  1  0  0  2  0
   43   A15   0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
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HIERARCHICAL CLUSTERING OF OVERLAP MATRIX

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                                                O
                 E O O        A A A O T        O          E O E O O O E O A            A A
        M M M E 1 T T A A A A 1 1 1 T 1 E E E E T M E E E M 1 T 1 T T T 1 T 1 A A A A E A 1 1
        2 3 5 3 2 2 4 5 7 8 9 0 2 3 9 0 8 7 5 1 5 4 4 6 9 1 1 6 0 3 7 8 3 1 1 6 1 2 3 2 4 4 5

                 1 2 2 3 3 3 3 3 4 4 2 2 1 1 1   2    1 1   1 2 1 2 2 2 1 1 3 3 2 3 3   3 4 4
Level   2 3 5 8 7 0 2 3 5 6 7 8 0 1 7 8 3 2 0 6 3 4 9 1 4 1 6 4 5 1 5 6 8 9 9 4 9 0 1 7 2 2 3
-----   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
8.000   . . . . . . . . . . . . . . . . . . . . . . XXX . . . . . . . . . . . . . . . . . .
5.000   . . . . . . . . . . . . . . . . . . . . . . XXXXX . . . . . . . . . . . . . . . . .
4.000   . . . . . . . . . . . . . . . . . . . . . . XXXXX . . . XXX . . . . . . . XXX . . . .
3.000   . . . . . . . . . . . . . . . . . . . . . . XXXXX XXX . XXX . . . . . . . XXX XXX . .
```

```
2.667   . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXX XXX . XXXXX . . . . . . XXXXXXX . .
2.133   . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXX XXX XXXXXXX . . . . . . XXXXXXX . .
2.044   . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXXXXXX XXXXXXX . . . . . . XXXXXXX . .
1.778   . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXXXXXX XXXXXXX . . . . . XXXXXXXXX . .
1.185   . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXXXXXX XXXXXXX . . . . . XXXXXXXXXXX .
1.160   . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXXXXXX XXXXXXXXX . . . . XXXXXXXXXXX .
1.000   . . . . . . . . . . . . . . . . . . XXX . . . XXX . XXXXXXXXX XXXXXXXXX XXX . . XXXXXXXXXXX .
0.966   . . . . . . . . . . . . . . . . . . XXX . . . XXX . XXXXXXXXX XXXXXXXXX XXX . XXXXXXXXXXXXX .
0.801   . . . . . . . . . . . . . . . . . . XXX . . . XXX . XXXXXXXXX XXXXXXXXX XXX XXXXXXXXXXXXXXX .
0.625   . . . . . . . . . . . . . . . . . . XXX . . . XXX XXXXXXXXXXX XXXXXXXXX XXX XXXXXXXXXXXXXXX .
0.530   . . . . . . . . . . . . . . . . . . XXX . . . XXX XXXXXXXXXXXXXXXXXXXXX XXX XXXXXXXXXXXXXXX .
0.424   . . . . . . . . . . . . . . . . . . XXX . . . XXXXXXXXXXXXXXXXXXXXXXXXX XXX XXXXXXXXXXXXXXX .
0.295   . . . . . . . . . . . . . . . . . . XXX . . . XXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX .
0.189   . . . . . . . . . . . . . . . . . . XXX . . XXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX .
0.176   . . . . . . . . . . . . . . . . . . XXX . XXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX .
0.094   . . . . . . . . . . . . . . . . . . XXX . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.032   . . . . . . . . . . . . . . . . . . XXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.017   . . . . . . . . . . . . . . . . . . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.000   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

Group indicator matrix saved as dataset CliqueSets
Actor-by-Actor clique co-membership matrix saved as dataset CliqueOverlap
Clique co-membership partition-by-actor indicator matrix saved as dataset CliquePart

Clique-by-Clique Actor Co-membership matrix

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	9	4	3	3	3	2	7	2	1	1	2	2	1	1	1	2	4	1	1	0	0	0	2	1	3
2	4	5	3	3	3	3	3	2	2	1	2	3	1	1	1	2	1	1	2	0	0	0	0	0	0
3	3	3	4	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
4	3	3	3	5	4	2	2	2	1	2	1	1	2	3	1	1	1	2	0	1	2	1	0	0	0
5	3	3	3	4	5	2	2	3	1	1	1	1	1	2	1	1	1	3	0	0	1	0	0	0	0
6	2	3	2	2	2	4	2	2	2	1	1	2	1	1	2	1	1	1	1	0	0	0	0	0	0
7	7	3	2	2	2	2	8	3	1	1	2	2	1	1	1	3	3	1	1	0	0	0	2	1	4

8	2	2	2	2	3	2	3	4	1	1	1	1	1	1	1	2	1	2	0	0	0	0	0	0	1
9	1	2	1	1	1	2	1	1	3	2	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0
10	1	1	1	2	1	1	1	1	2	3	1	1	2	2	1	1	1	1	0	1	1	1	0	0	0
11	2	2	1	1	1	1	2	1	1	1	5	3	4	3	2	3	1	2	1	2	1	0	0	0	0
12	2	3	1	1	1	2	2	1	2	1	3	4	2	1	1	2	1	1	2	1	0	0	0	0	0
13	1	1	1	2	1	1	1	1	1	2	4	2	5	4	2	2	1	2	0	3	2	1	0	0	0
14	1	1	1	3	2	1	1	1	1	2	3	1	4	5	2	2	1	3	0	2	3	1	0	0	0
15	1	1	1	1	1	2	1	1	1	1	2	1	2	2	3	2	1	1	0	1	1	0	0	0	0
16	2	2	1	1	1	1	3	2	1	1	3	2	2	2	2	4	1	1	1	1	1	0	0	0	1
17	4	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	5	1	0	0	0	0	0	0	2
18	1	1	1	2	3	1	1	2	1	1	2	1	2	3	1	1	1	4	0	0	1	0	0	0	0
19	1	2	0	0	0	1	1	0	1	0	1	2	0	0	0	1	0	0	3	0	0	0	0	0	0
20	0	0	0	1	0	0	0	0	0	1	2	1	3	2	1	1	0	0	0	4	3	1	0	0	0
21	0	0	0	2	1	0	0	0	0	1	1	0	2	3	1	1	0	1	0	3	4	1	0	0	0
22	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	1	3	0	0	0
23	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1
24	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2
25	3	0	0	0	0	0	4	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	2	6

HIERARCHICAL CLUSTERING OF OVERLAP MATRIX

```
        2 2 2 2 2 1   1                 1 1 1 1 1 1 1 1 2
Level   3 4 0 1 2 9 9 0 6 3 4 5 2 1 7 8 5 2 1 3 4 6 8 7 5
-----   - - - - - - - - - - - - - - - - - - - - - - - - -
7.000   . . . . . . . . . . . . . . XXX . . . . . . . . .
4.000   . . . . . . . . . . . XXX . XXX . . . XXX . . . . .
3.500   . . . . . . . . . . . XXX XXXXX . . . XXXXX . . . .
3.000   . . XXX . . . . . XXXXX XXXXX . . . XXXXX . . . .
2.667   . . XXX . . . . . XXXXXXXXXXX . . . XXXXX . . . .
2.333   . . XXX . . . . . XXXXXXXXXXXXX . . XXXXXXX . . .
2.143   . . XXX . . . . XXXXXXXXXXXXXXX . . XXXXXXX . . .
2.000   XXX XXX . . XXX XXXXXXXXXXXXXXX . XXXXXXXXX . XXX
1.800   XXX XXX . . XXX XXXXXXXXXXXXXXX XXXXXXXXXXX . XXX
1.667   XXX XXX . . XXX XXXXXXXXXXXXXXX XXXXXXXXXXXXX XXX
1.393   XXX XXX . . XXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXX
1.200   XXX XXX . . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXX
1.000   XXX XXXXX . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXX
0.912   XXX XXXXX . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.526   XXX XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.483   XXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
0.196   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX



Clique-by-Clique co-membership matrix saved as dataset Clique-by-cliqueOverlap
Clique by clustering partition matrix saved as dataset Clique-by-partition

----------------------------------------
Running time:  00:00:01
Output generated:  16 Set 12 14:53:56
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```