CLIQUES

Minimum Set Size: 3
Input dataset: Q2 (C:\Users\Sota\Desktop\Question◆rio fase 1 Sota\Q2\Q2)

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

```
   1:  E6 A1 A2 A3 A4 A7 A9 A10 A11 A14
   2:  E6 A1 A2 A3 A4 A5 A7 A9 A10
   3:  E6 A1 A2 A3 A7 A9 A10 A11 A12 A14
   4:  E6 A1 A2 A3 A5 A7 A9 A10 A12
   5:  E3 E4 E6 E9 E11
   6:  E4 E6 E7 E11
   7:  E3 E6 E8 E9
   8:  E2 A1 A2 A3 A4 A7 A9 A10 A11 A14
   9:  E2 A1 A2 A3 A4 A5 A7 A9 A10
  10:  E2 OT3 A2 A3 A4 A9 A11 A14
  11:  E2 A1 A2 A3 A7 A9 A10 A11 A12 A14
  12:  E2 A1 A2 A3 A5 A7 A9 A10 A12
  13:  E13 A2 A9
  14:  OT2 OT3 OT5
  15:  OT3 OT8 A2
  16:  OT3 OT4 OT5
  17:  OT3 OT7 OT8 OT9
  18:  OT8 A2 A13
  19:  A1 A3 A6 A12 A14
  20:  A1 A2 A3 A7 A9 A10 A11 A12 A13 A14
  21:  A1 A2 A3 A4 A7 A9 A10 A11 A13 A14
  22:  A9 A12 A15
```

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

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              1     2     3     4     5     6     7     8     9    10    11    12    13    14
15    16    17    18    19    20    21    22
          ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----
----- ----- ----- ----- ----- ----- ----- -----
  1   M1  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
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
3 M3 0.000 0.000 0.000 0.000 0.200 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
4 M4 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
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 0.250 0.000 0.000 0.000 0.000 0.000
6 E1 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
7 E2 0.900 0.889 0.900 0.889 0.200 0.000 0.250 1.000 1.000 1.000 1.000 1.000 0.667 0.333
0.667 0.333 0.250 0.333 0.800 0.900 0.900 0.667
8 E3 0.100 0.111 0.100 0.111 1.000 0.750 1.000 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 0.100 0.111 0.100 0.111 1.000 1.000 0.750 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
10 E5 0.000 0.000 0.000 0.000 0.200 0.250 0.000 0.000 0.000 0.125 0.000 0.000 0.000 0.333
0.333 0.333 0.250 0.000 0.000 0.000 0.000 0.000
11 E6 1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.900 0.889 0.750 0.900 0.889 0.667 0.000
0.333 0.000 0.000 0.333 0.800 0.900 0.900 0.667
12 E7 0.100 0.111 0.100 0.111 0.600 1.000 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
13 E8 0.100 0.111 0.100 0.111 0.600 0.250 1.000 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
14 E9 0.100 0.111 0.100 0.111 1.000 0.750 1.000 0.100 0.111 0.125 0.100 0.111 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
15 E10 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
16 E11 0.100 0.111 0.100 0.111 1.000 1.000 0.750 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
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
18 E13 0.200 0.222 0.200 0.222 0.000 0.000 0.000 0.200 0.222 0.250 0.200 0.222 1.000 0.000
0.333 0.000 0.000 0.333 0.000 0.200 0.200 0.333
19 OT1 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 0.333
0.333 0.333 0.250 0.000 0.000 0.000 0.000 0.000
20 OT2 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 1.000
0.333 0.667 0.250 0.000 0.000 0.000 0.000 0.000
21 OT3 0.600 0.444 0.500 0.333 0.000 0.000 0.000 0.700 0.556 1.000 0.600 0.444 0.667 1.000

1.000 1.000 1.000 0.667 0.400 0.500 0.600 0.333
22 OT4 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 0.667
0.333 1.000 0.250 0.000 0.000 0.000 0.000 0.000
23 OT5 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 1.000
0.333 1.000 0.250 0.000 0.000 0.000 0.000 0.000
24 OT6 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 0.333
0.333 0.333 0.250 0.000 0.000 0.000 0.000 0.000
25 OT7 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.125 0.000 0.000 0.000 0.333
0.667 0.333 1.000 0.333 0.000 0.000 0.000 0.000
26 OT8 0.100 0.111 0.100 0.111 0.000 0.000 0.000 0.100 0.111 0.250 0.100 0.111 0.333 0.333
1.000 0.333 1.000 1.000 0.000 0.200 0.200 0.000
27 OT9 0.100 0.111 0.100 0.111 0.000 0.000 0.000 0.100 0.111 0.125 0.100 0.111 0.000 0.333
0.667 0.333 1.000 0.333 0.200 0.100 0.100 0.000
28 OT10 0.100 0.000 0.100 0.000 0.000 0.000 0.000 0.100 0.000 0.125 0.100 0.000 0.000 0.000
0.333 0.000 0.250 0.333 0.200 0.100 0.100 0.000
29 A1 1.000 1.000 1.000 1.000 0.200 0.250 0.250 1.000 1.000 0.875 1.000 1.000 0.667 0.000
0.333 0.000 0.250 0.667 1.000 1.000 1.000 0.667
30 A2 1.000 1.000 1.000 1.000 0.200 0.250 0.250 1.000 1.000 1.000 1.000 1.000 1.000 0.333
1.000 0.333 0.500 1.000 0.800 1.000 1.000 0.667
31 A3 1.000 1.000 1.000 1.000 0.200 0.250 0.250 1.000 1.000 1.000 1.000 1.000 0.667 0.333
0.667 0.333 0.250 0.667 1.000 1.000 1.000 0.667
32 A4 1.000 1.000 0.900 0.889 0.200 0.250 0.250 1.000 1.000 1.000 0.900 0.889 0.667 0.333
0.667 0.333 0.250 0.667 0.600 0.900 1.000 0.333
33 A5 0.800 1.000 0.800 1.000 0.200 0.250 0.250 0.800 1.000 0.625 0.800 1.000 0.667 0.000
0.333 0.000 0.000 0.333 0.600 0.700 0.700 0.667
34 A6 0.300 0.222 0.400 0.333 0.000 0.000 0.000 0.300 0.222 0.250 0.400 0.333 0.000 0.000
0.000 0.000 0.000 0.000 1.000 0.400 0.300 0.333
35 A7 1.000 1.000 1.000 1.000 0.200 0.250 0.250 1.000 1.000 0.875 1.000 1.000 0.667 0.000
0.333 0.000 0.000 0.667 0.800 1.000 1.000 0.667
36 A8 0.100 0.111 0.100 0.111 0.000 0.000 0.000 0.100 0.111 0.125 0.100 0.111 0.333 0.000
0.333 0.000 0.000 0.333 0.000 0.100 0.100 0.000
37 A9 1.000 1.000 1.000 1.000 0.200 0.250 0.250 1.000 1.000 1.000 1.000 1.000 1.000 0.333
0.667 0.333 0.250 0.667 0.800 1.000 1.000 1.000
38 A10 1.000 1.000 1.000 1.000 0.200 0.250 0.250 1.000 1.000 0.875 1.000 1.000 0.667 0.000
0.333 0.000 0.000 0.667 0.800 1.000 1.000 0.667
39 A11 1.000 0.889 1.000 0.889 0.200 0.250 0.250 1.000 0.889 1.000 1.000 0.889 0.667 0.333
0.667 0.333 0.250 0.667 0.800 1.000 1.000 0.667
40 A12 0.900 0.889 1.000 1.000 0.200 0.250 0.250 0.900 0.889 0.750 1.000 1.000 0.667 0.000
0.333 0.000 0.000 0.667 1.000 1.000 0.900 1.000
41 A13 0.900 0.778 0.900 0.778 0.000 0.000 0.000 0.900 0.778 0.750 0.900 0.778 0.667 0.000

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0.667 0.000 0.250 1.000 0.800 1.000 1.000 0.667
 42  A14  1.000 0.889 1.000 0.889 0.200 0.250 0.250 1.000 0.889 1.000 1.000 0.889 0.667 0.333
0.667 0.333 0.250 0.667 1.000 1.000 1.000 0.667
 43  A15  0.100 0.111 0.200 0.222 0.000 0.000 0.000 0.100 0.111 0.125 0.200 0.222 0.333 0.000
0.000 0.000 0.000 0.000 0.200 0.200 0.100 1.000
```

Actor-by-Actor Clique Co-Membership Matrix

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

13 E8 0 0 0 0 0 0 0 1 0 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 0 0 0 0 0 0 0 2 1 0 2 0 1 2 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
15 E10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
16 E11 0 0 0 0 0 0 0 1 2 0 2 1 0 1 0 2 0 0 0 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 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 1 0 0 0 0 0 0
19 OT1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 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 1 1 0 1 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 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 5 1 2 0 1 2 1 0
0 2 1 1 0 0 0 0 1 0 1 0 0 1 0
22 OT4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 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 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 1 2 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
24 OT6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 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 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 1 1 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 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 1 3 1 0
0 2 0 0 0 0 0 0 0 0 0 0 1 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 1 1 1 0
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 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
29 A1 0 0 0 0 0 0 4 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 10 11 5 4 1 10 0 10 10 6 6 2 7 0
30 A2 0 0 0 0 0 0 5 0 0 0 4 0 0 0 0 0 0 1 0 0 2 0 0 0 0 2 0 0
10 14 11 6 4 0 10 0 12 10 7 5 3 7 0
31 A3 0 0 0 0 0 0 5 0 0 0 4 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0
11 11 12 6 4 1 10 0 11 10 7 6 2 8 0
32 A4 0 0 0 0 0 0 3 0 0 0 2 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0
5 6 6 6 2 0 5 0 6 5 4 0 1 4 0

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   33    A5   0  0  0  0  0  0  2  0  0  0  2  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 4  4  4  2  4  0  4  0  4  4  0  2  0  0  0
   34    A6   0  0  0  0  0  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  0  1  0  0  1  0  0  0  0  0  1  0  1  0
   35    A7   0  0  0  0  0  0  4  0  0  0  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
10 10 10  5  4  0 10  0 10 10  6  5  2  6  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  0
   37    A9   0  0  0  0  0  0  5  0  0  0  4  0  0  0  0  0  0  1  0  0  1  0  0  0  0  0  0  0  0
10 12 11  6  4  0 10  0 13 10  7  6  2  7  1
   38   A10   0  0  0  0  0  0  4  0  0  0  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
10 10 10  5  4  0 10  0 10 10  6  5  2  6  0
   39   A11   0  0  0  0  0  0  3  0  0  0  2  0  0  0  0  0  0  0  0  0  1  0  0  0  0  0  0  0  0
 6  7  7  4  0  0  6  0  7  6  7  3  2  7  0
   40   A12   0  0  0  0  0  0  2  0  0  0  2  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 6  5  6  0  2  1  5  0  6  5  3  7  1  4  1
   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  1  0  0
 2  3  2  1  0  0  2  0  2  2  2  1  3  2  0
   42   A14   0  0  0  0  0  0  3  0  0  0  2  0  0  0  0  0  0  0  0  0  1  0  0  0  0  0  0  0  0
 7  7  8  4  0  1  6  0  7  6  7  4  2  8  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  1  0  0  1  0  0  1
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HIERARCHICAL CLUSTERING OF OVERLAP MATRIX

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

                     1 1 1 1 2 2 3 2 2 2 2 2 2 2 1 1   1 1   1 3 4 3 1   4 3 3 2 3 3 3 3 3 4 4
 Level   1 2 3 4 5 6 0 5 7 9 4 8 6 2 0 1 3 5 6 7 8 3 8 4 2 9 6 4 1 3 1 7 0 2 5 9 1 0 7 8 9 2 3
------   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
12.000   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11.000   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10.667   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10.000   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 7.000   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 6.421   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 4.573   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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3.928   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXXXXXXXXXXXXXXXX .
3.378   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXXXXXXXXXXXXXXXXXX .
2.476   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XXXXXXXXXXXXXXXXXXXXXXX .
2.000   . . . . . . . . . . . . . . . XXX . . . . . XXX . XXX . . . XXXXXXXXXXXXXXXXXXXXXXX .
1.802   . . . . . . . . . . . . . . . XXX . . . . . XXX . XXX . . XXXXXXXXXXXXXXXXXXXXXXXXX .
1.452   . . . . . . . . . . . . . . . XXX . . . . . XXX . XXX . XXXXXXXXXXXXXXXXXXXXXXXXXXX .
1.000   . . . . . . . . . . . . . . XXXXX XXXXX . XXXXX XXXXX . XXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.750   . . . . . . . . . . . . . XXXXXXX XXXXX . XXXXX XXXXX . XXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.563   . . . . . . . . . . . . . XXXXXXX XXXXX . XXXXXXXXXXX . XXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.328   . . . . . . . . . . . . . XXXXXXX XXXXX . XXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.253   . . . . . . . . . . . . . XXXXXXXXXXXXX . XXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.109   . . . . . . . . . . . . . XXXXXXXXXXXXX . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX .
0.080   . . . . . . . . . . . . . XXXXXXXXXXXXX . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.023   . . . . . . . . . . . . . XXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.021   . . . . . . . . . . . . . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.000   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

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
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1	10	8	9	7	1	1	1	9	7	6	8	6	2	0	1	0	0	1	3	8	9	1
2	8	9	7	8	1	1	1	7	8	4	6	7	2	0	1	0	0	1	2	6	7	1
3	9	7	10	8	1	1	1	8	6	5	9	7	2	0	1	0	0	1	4	9	8	2
4	7	8	8	9	1	1	1	6	7	3	7	8	2	0	1	0	0	1	3	7	6	2
5	1	1	1	1	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	9	7	8	6	0	0	0	10	8	7	9	7	2	0	1	0	0	1	3	8	9	1
9	7	8	6	7	0	0	0	8	9	5	7	8	2	0	1	0	0	1	2	6	7	1
10	6	4	5	3	0	0	0	7	5	8	6	4	2	1	2	1	1	1	2	5	6	1
11	8	6	9	7	0	0	0	9	7	6	10	8	2	0	1	0	0	1	4	9	8	2

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

HIERARCHICAL CLUSTERING OF OVERLAP MATRIX

```
                1 1 1 1 1 1 1 1       1     1   2 2 2
Level   5 6 7 4 6 5 7 8 3 9 0 2 4 9 2 3 1 1 8 0 1 2
-----   - - - - - - - - - - - - - - - - - - - - - -
9.000   . . . . . . . . . . . . . . . . XXX XXX XXX .
8.500   . . . . . . . . . . . . . . . . XXXXXXXXXXX .
8.000   . . . . . . . . . . . . XXX XXX XXXXXXXXXXX .
7.500   . . . . . . . . . . . . XXXXXXX XXXXXXXXXXX .
6.833   . . . . . . . . . . . . XXXXXXXXXXXXXXXXXXX .
5.100   . . . . . . . . . . . XXXXXXXXXXXXXXXXXXXXX .
3.000   XXX . . . . . . . . XXXXXXXXXXXXXXXXXXXXXXX .
2.000   XXXXX XXX XXX . . XXXXXXXXXXXXXXXXXXXXXXXXX .
1.833   XXXXX XXX XXX . XXXXXXXXXXXXXXXXXXXXXXXXXXX .
1.500   XXXXX XXX XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXX .
1.385   XXXXX XXX XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.667   XXXXX XXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.429   XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
0.211   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

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 14:10:48
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