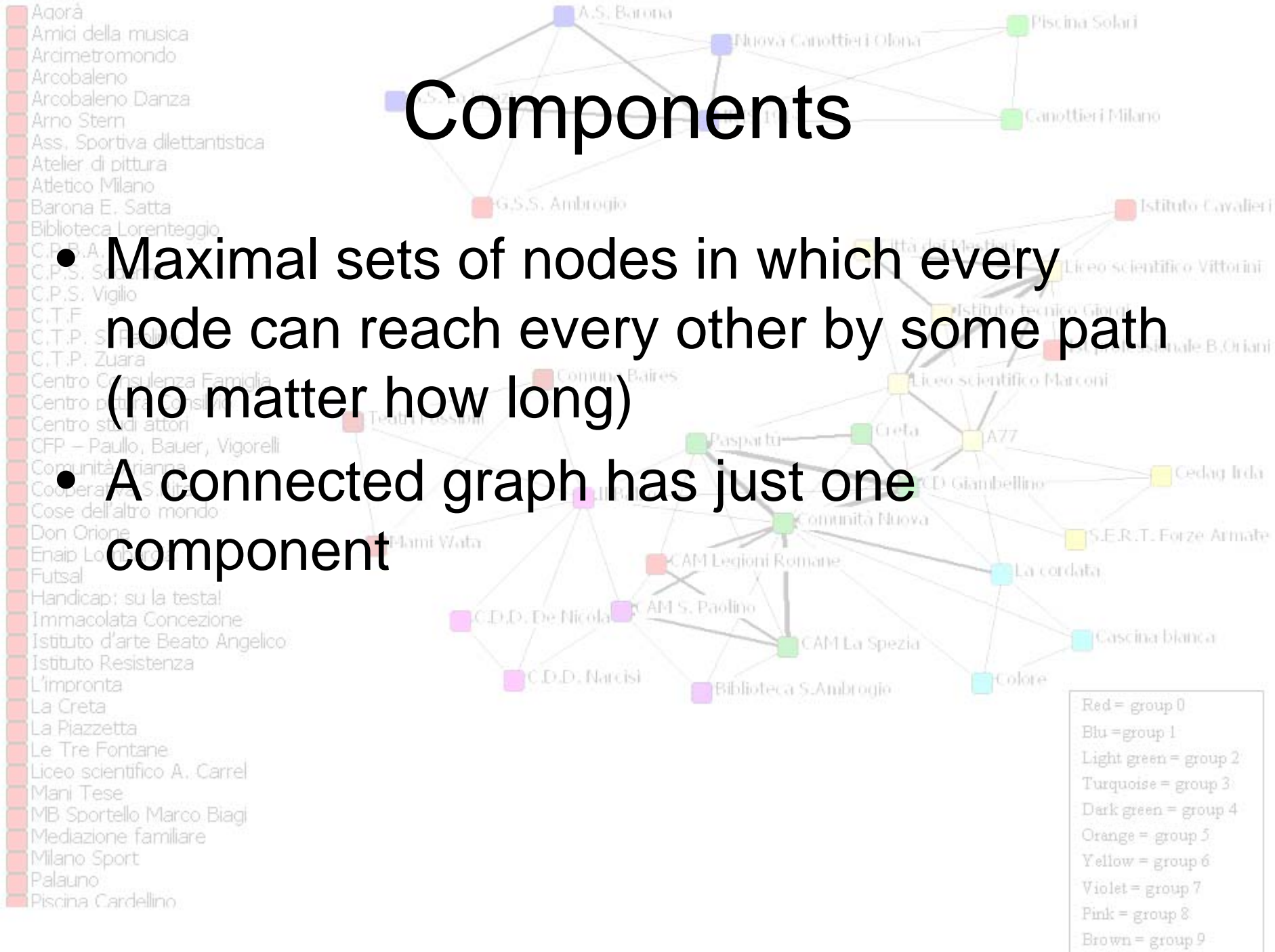
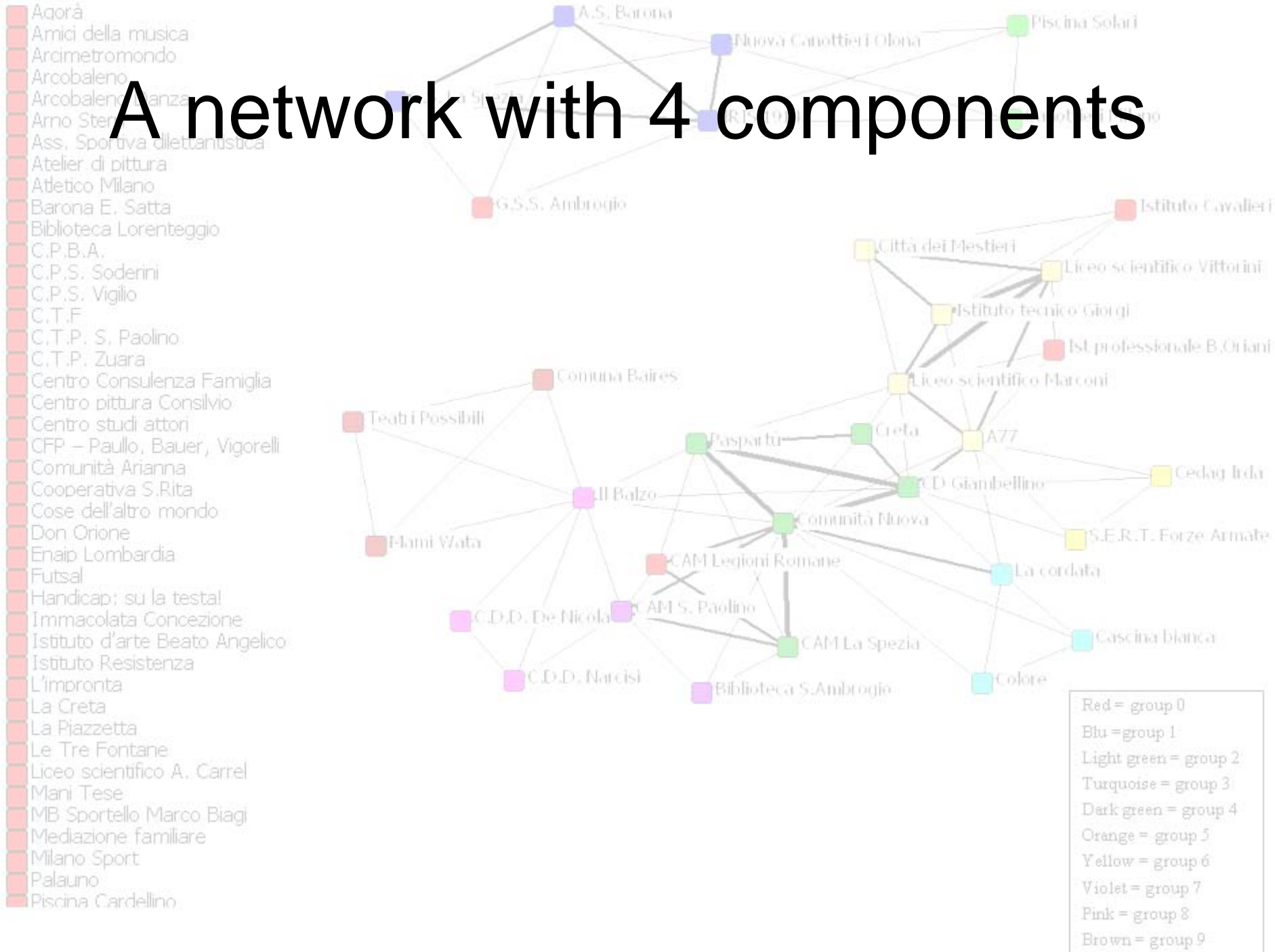


Components

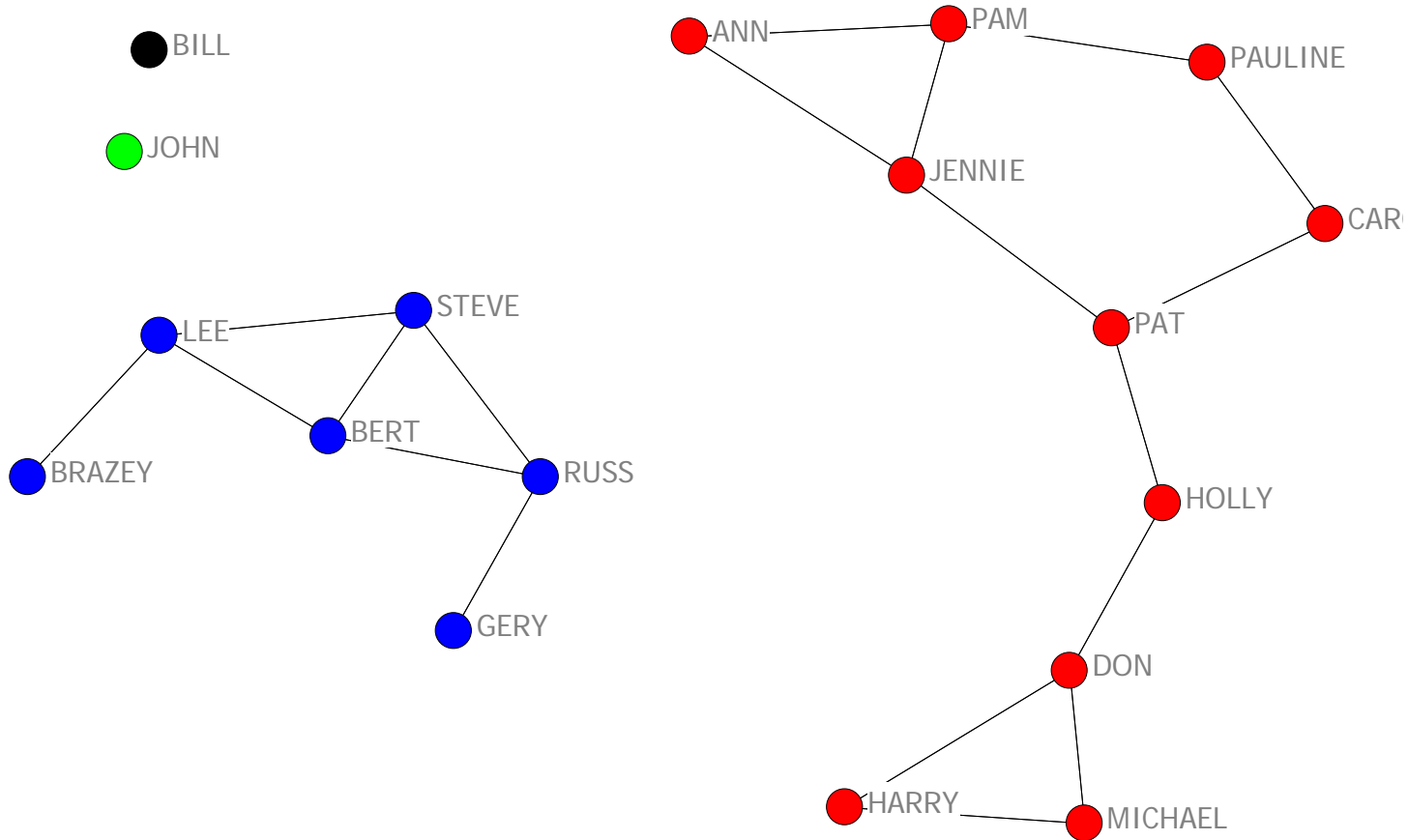
- Maximal sets of nodes in which every node can reach every other by some path (no matter how long)
- A connected graph has just one component



A network with 4 components



A network with 4 components

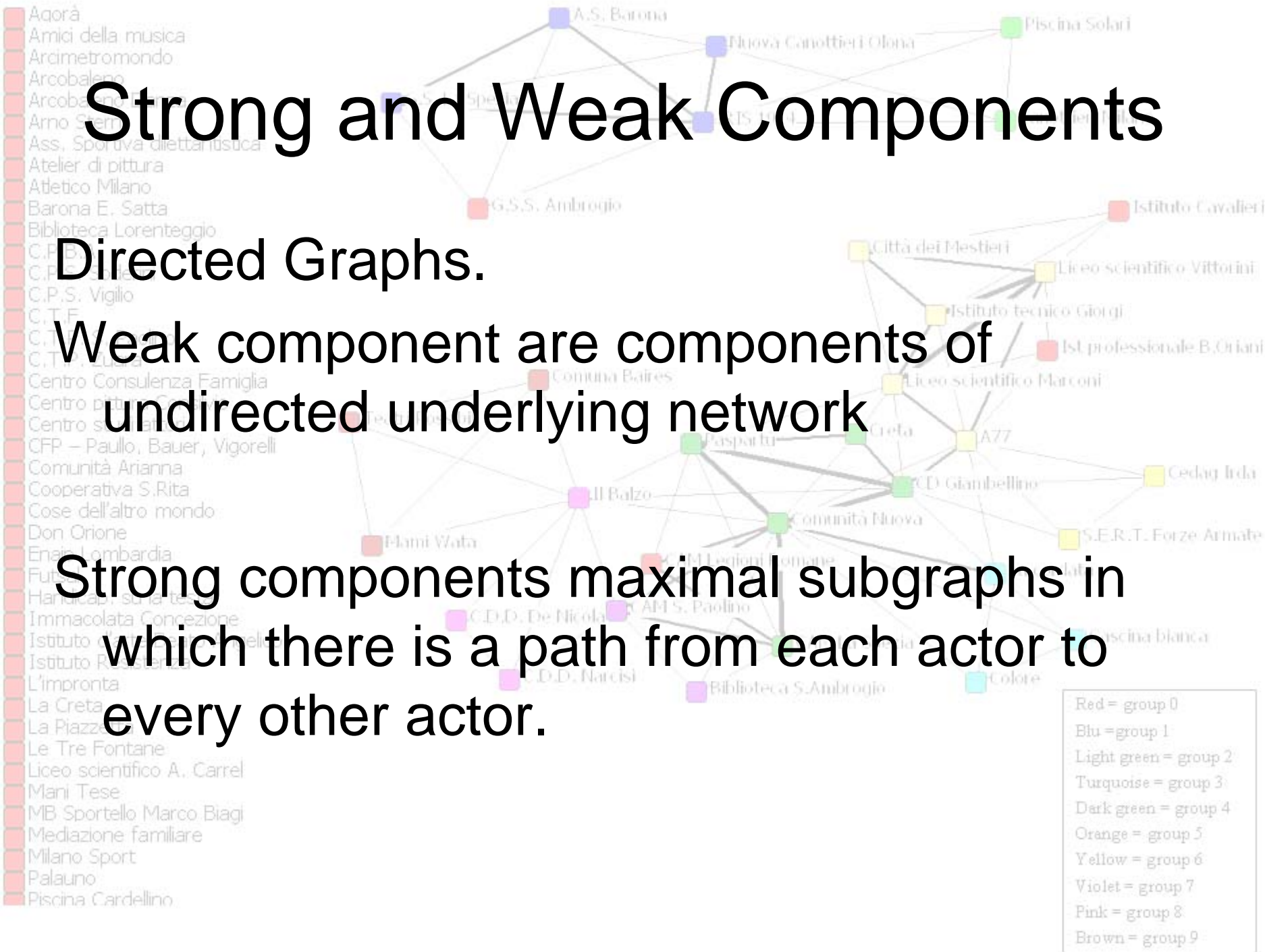


Strong and Weak Components

Directed Graphs.

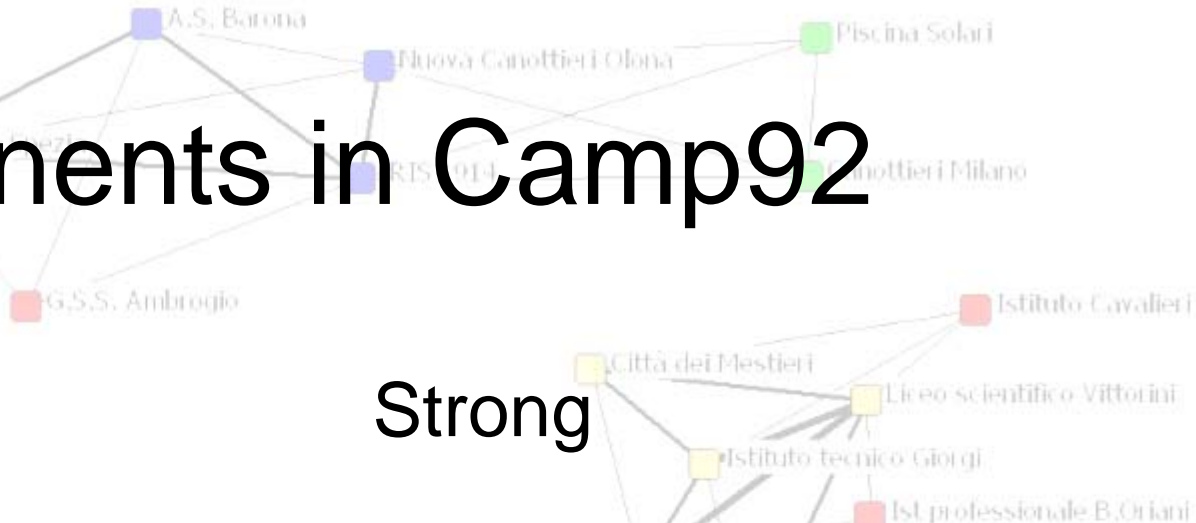
Weak components are components of undirected underlying network

Strong components maximal subgraphs in which there is a path from each actor to every other actor.



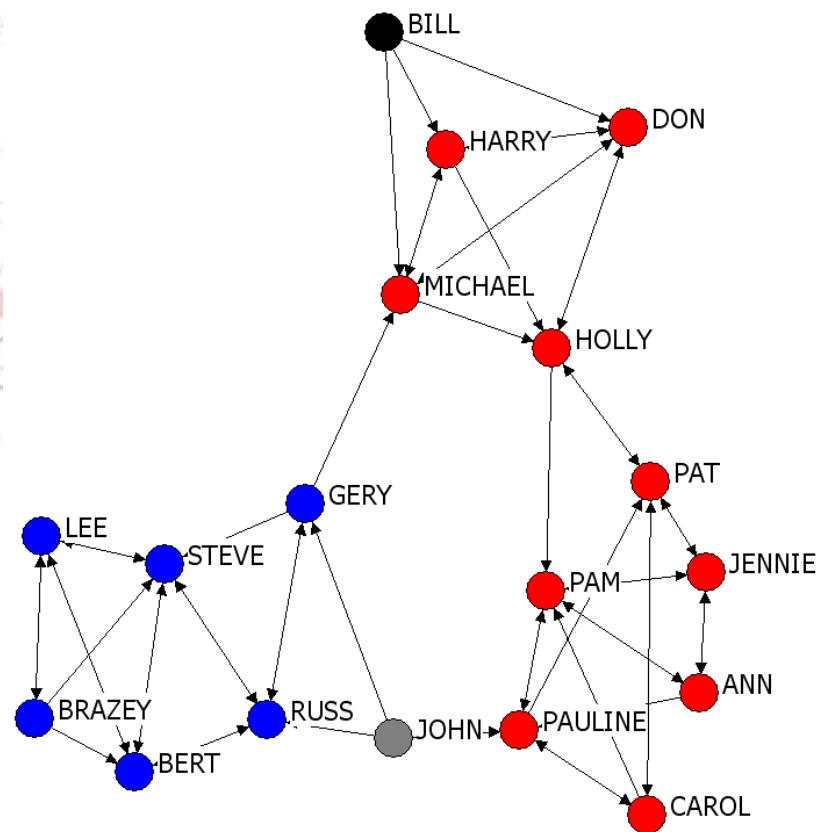
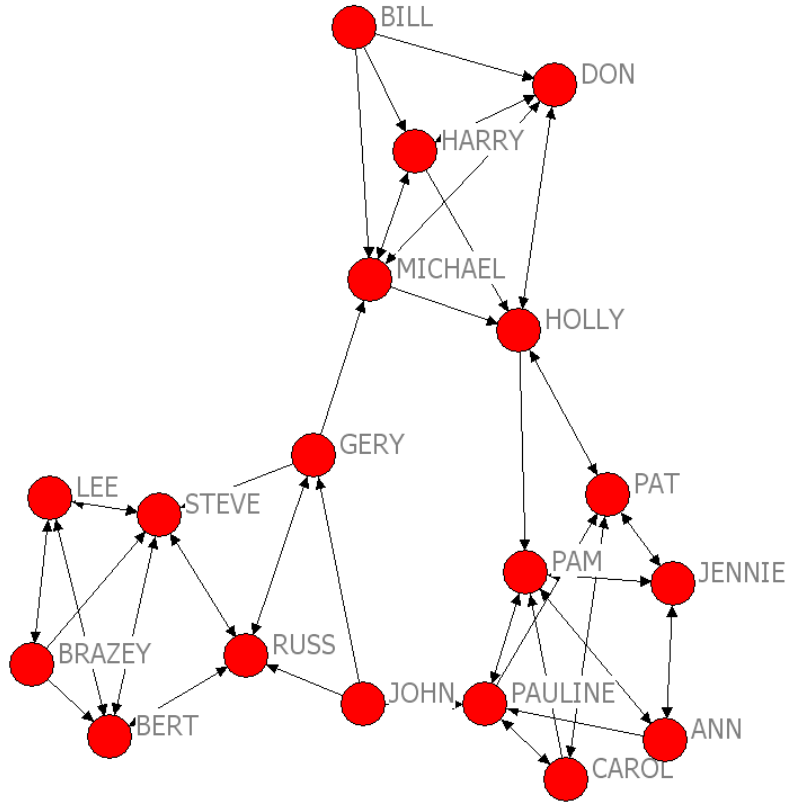
Components in Camp92

- Agorà
- Amici della musica
- Arcimetromondo
- Arcobaleno
- Arcobaleno Danza
- Arno Stern
- Ass. Sportiva dilettantistica
- Atelier di pittura
- Atletico Milano
- Barona E. Satta
- Biblioteca Lorenteggio
- C.P.B.A.
- C.P.
- C.P.S. Vaglio
- C.T.F.
- C.T.P. S. Paolino



Weak

Strong



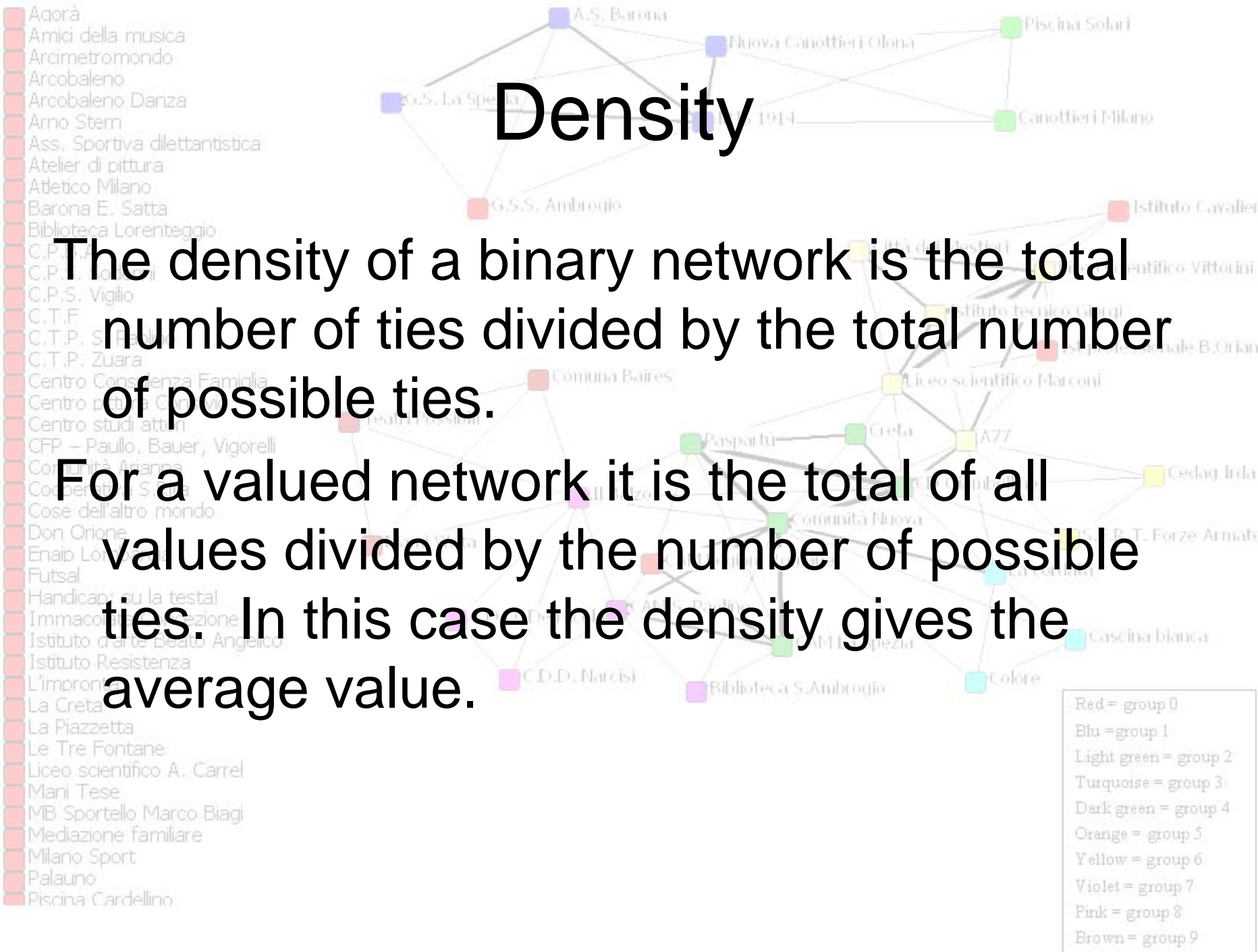
Brown = group 9

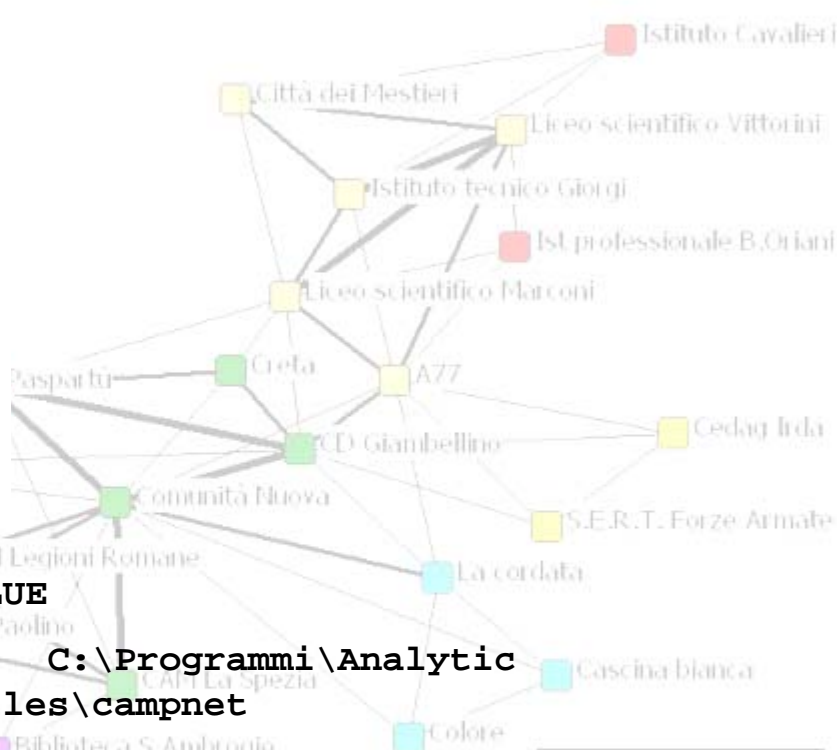
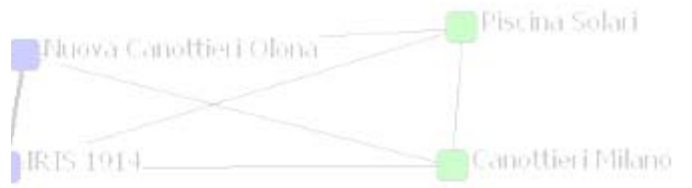
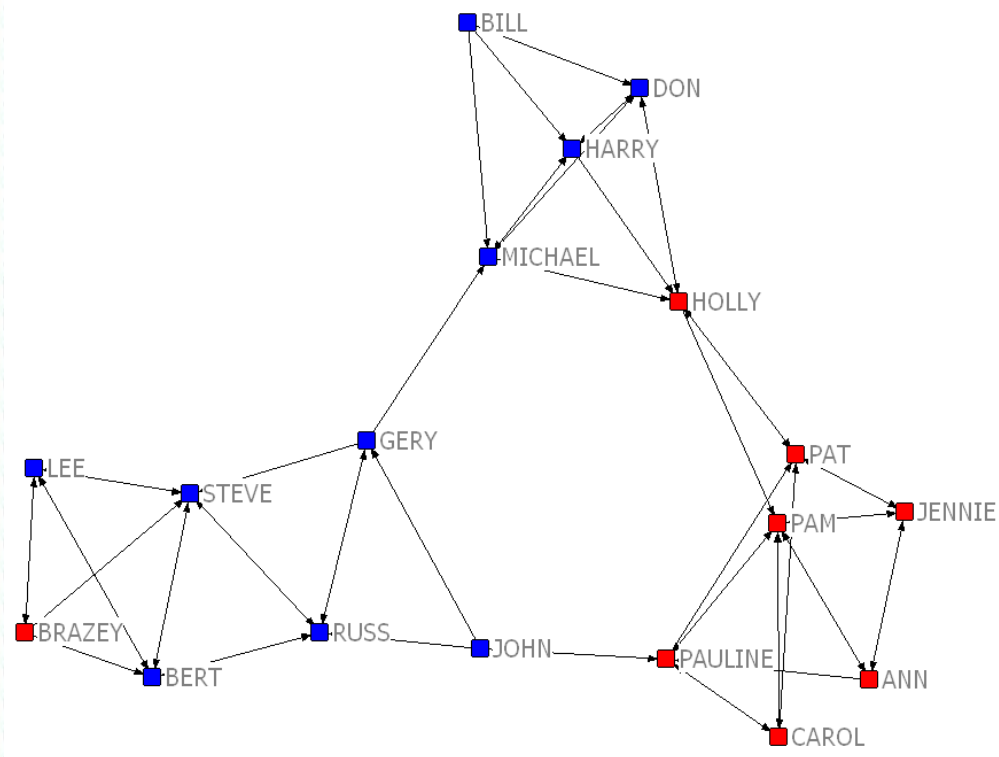
- 1,2
- 3
- 4

Density

The density of a binary network is the total number of ties divided by the total number of possible ties.

For a valued network it is the total of all values divided by the number of possible ties. In this case the density gives the average value.

- 
- Red = group 0
 - Blu = group 1
 - Light green = group 2
 - Turquoise = group 3
 - Dark green = group 4
 - Orange = group 5
 - Yellow = group 6
 - Violet = group 7
 - Pink = group 8
 - Brown = group 9



- Don Orione
- Enaip Lombardia
- Futsal
- Handicap: su la testal
- Immacolata Concezione
- Istituto d'arte Beato Angelico
- Istituto Resistenza
- L'impronta
- La Creta
- La Piazzetta
- Le Tre Fontane
- Liceo scientifico A. Carrel
- Mani Tese
- MB Sportello Marco Biagi
- Mediazione familiare
- Milano Sport
- Palauno
- Piscina Cardellino

DENSITY / AVERAGE MATRIX VALUE

Input dataset: C:\Programmi\Analytic
Technologies\Ucinet 6\DataFiles\campnet

Output dataset: C:\Programmi\Analytic
Technologies\Ucinet 6\DataFiles\campnet-density

	Density	No. of Ties
-----	-----	-----
campnet	0.1765	54.0000

- Red = group 0
- Blu = group 1
- Light green = group 2
- Turquoise = group 3
- Dark green = group 4
- Orange = group 5
- Yellow = group 6
- Violet = group 7
- Pink = group 8
- Brown = group 9

DENSITY WITHIN GROUPS

DENSITIES OR AVERAGE TIE STRENGTHS WITHIN/BETWEEN GROUPS

Input dataset: C:\Programmi\Analytic Technologies\Ucinet 6\DataFiles\campnet
 Row partition: C:\Programmi\Analytic Technologies\Ucinet 6\DataFiles\campattr
 Column partition: C:\Programmi\Analytic Technologies\Ucinet 6\DataFiles\campattr
 Method: Average (proportions)

ROW PARTITION

Block	Value	Freq	Members:
1	1	8	HOLLY BRAZEY CAROL PAM PAT JENNIE PAULINE ANN
2	2	10	MICHAEL BILL LEE DON JOHN HARRY GERY STEVE BERT RUSS

COLUMN PARTITION

Block	Value	Freq	Members:
1	1	8	HOLLY BRAZEY CAROL PAM PAT JENNIE PAULINE ANN
2	2	10	MICHAEL BILL LEE DON JOHN HARRY GERY STEVE BERT RUSS

Density / Average value within blocks

1	0.3571	0.0500
2	0.0625	0.2778

Standard Deviations within blocks

1	0.4792	0.2179
2	0.2421	0.4479

Density table(s) saved as dataset campnet-density

Use MATRIX>TRANSFORM>DICHOTOMIZE procedure to get binary image matrix.

Standard deviations saved as dataset campnet-stddev

